

Online Clinic System Documentation

Generated from repository source for the Laravel backend, Vue web frontend, and Expo React Native mobile app. Environment secrets and .env values are intentionally excluded.

System Overview

Online Clinic is a multi-tenant clinic management platform. Accounts own clinic branches, customers, patients, staff, services/products, schedules, consultations, diagnoses, prescriptions, invoices, receipts, POS sessions, inventory, reports, support tickets, public content, and subscription/payment settings. Access is controlled by login portal, roles, permissions, feature flags, platform feature flags, and subscription state.

Layer	Implementation
Backend	Laravel 13 / PHP 8.3, Sanctum auth, Eloquent ORM, Dompdf, PhpSpreadsheet, PDF parser
Frontend	Vue 3, Vite, Vue Router, Vuestic UI, Axios, Toast UI Calendar, Leaflet, Quill
Mobile	Expo / React Native, React Navigation, Axios, SecureStore/AsyncStorage
Database	Laravel migrations define account-scoped clinic, clinical, POS, billing, reporting, support, and platform tables

Primary Modules

Module	Purpose	Important Backend Entry Points
Setup	Requirements, database setup, migrations, seeding, first account.	SetupController, InstallationService, AccountSetupService
Authentication and Profiles	Registration, verification, login, password reset, profile updates.	AuthController, ProfileController, UserPermissions
Clinic Core Records	Branches, customers, patients, staff, services/products, widgets, content CRUD.	GenericResourceController, RecordAuditor, AuditLogger
Scheduling and Booking	Private schedules and public/customer booking widgets.	ScheduleController, PublicBookingController, BookingAvailabilityService, ScheduleConflictService
Consultations	Daily queue, priority numbers, queue limits, served/cancelled flow.	ConsultationController, ConsultationService
Clinical Records	Diagnoses, prescriptions, medical certificate context, follow-up sync.	GenericResourceController, PrescriptionFollowUpSyncService
Billing and Payments	Invoices, official receipts, payment gateways, subscriptions, billing numbers.	InvoiceController, OfficialReceiptController, SubscriptionController, InvoiceService, BillingNumberService
POS and Inventory	POS sessions, sales, held sales, returns, voids, devices, stock movements.	PosController, InventoryController, PosService, InventoryService
Reports	Clinic and platform reporting plus exports/logs.	ReportController, SuperadminReportController, ClinicReportService, PlatformReportService
Ask Dr AI	Medical knowledge base, external AI/search, file/lab interpretation.	AskDrAiController, MedicalKnowledgeBaseService, ExternalMedicalAnswerService
Support	Tickets, messages, attachments, unread state.	SupportTicketController
Platform Admin	Accounts, users, roles, enum options, features, captcha, branding, legal, partners, backups.	SuperadminController and Superadmin* controllers

General Process Flowcharts

Installation and Setup

flowchart TD

```
A[Open /setup] --> B[Check setup/status]
B --> C[Test database and requirements]
C --> D[Install prepare]
D --> E[Run migrations]
E --> F[Seed baseline records]
F --> G[Finalize owner account]
G --> H[Redirect to login]
```

Authentication and Session

flowchart TD

```
A[Open web or mobile app] --> B{Public route?}
B -- yes --> C[Render public page]
B -- no --> D[Login, register, verify, or reset password]
D --> E[AuthController validates request]
E --> F[Issue Sanctum token and user/account metadata]
F --> G[Client stores token/session]
G --> H[Route guards check role, permissions, features, subscription]
H --> I[Allowed module renders]
```

Generic Resource CRUD

flowchart TD

```
A[Open resource list] --> B[GET /api/{resource}]
B --> C[GenericResourceController resolves model]
C --> D[Apply account/customer scope, search, filters, trash]
D --> E[Return paginated records]
E --> F[Create, edit, delete, restore, or force delete]
F --> G[Specialized behavior for staff, customer, product, patient, prescription]
G --> H[RecordAuditor stamps metadata]
H --> I[AuditLogger records action]
I --> J[UI refreshes]
```

Scheduling and Public Booking

flowchart TD

```
A[Open booking widget] --> B[Resolve account and clinic codes]
B --> C[Load branch, doctor, service, widget settings]
C --> D[BookingAvailabilityService calculates slots]
D --> E[Customer selects slot]
E --> F[ScheduleConflictService checks business hours and overlap]
F --> G[Schedule created]
G --> H[Consultation and notification sync]
```

Consultation Queue

flowchart TD

```
A[Open consultations by date] --> B[Find or create daily consultation]
B --> C[Load queue settings and patients]
C --> D[Add patient]
D --> E[Validate queue limit]
E --> F[Assign next priority number]
F --> G[Mark served or cancelled]
G --> H[Diagnosis and invoice can follow]
```

Diagnosis to Billing

flowchart TD

```
A[Record diagnosis] --> B[Select billable service/product]
```

```
B --> C[Generate invoice]
C --> D[InvoiceService normalizes line items and totals]
D --> E[Invoice issued to customer/patient]
E --> F[Payment captured]
F --> G[Official receipt generated when paid]
G --> H[Reports aggregate revenue]
```

POS Sale

flowchart TD

```
A[Open POS session] --> B[Search product, barcode, patient, or prescription]
B --> C[Add cart lines]
C --> D[Preview totals and discounts]
D --> E[Capture cash/card/e-wallet]
E --> F[Create sales order, payments, transaction]
F --> G[Inventory decrements stock]
G --> H[Receipt shown, printed, or shared]
H --> I[Session reconciliation and close]
```

Inventory

flowchart TD

```
A[Create or edit service/product] --> B{Product with inventory tracking?}
B -- yes --> C[Inventory item exists]
C --> D[Receive or adjust stock movement]
D --> E[Low stock computed from reorder level]
E --> F[POS sale decrements stock]
B -- no --> G[Service remains billable without stock]
```

Ask Dr AI

flowchart TD

```
A[Submit question, symptoms, files] --> B[AskDrAiController receives payload]
B --> C[Extract text/image context]
C --> D[Match local medical knowledge base]
D --> E{High confidence?}
E -- yes --> F[Return ranked answers]
E -- no --> G[Optional OpenAI/OpenRouter/search layer]
G --> H[Normalize response]
H --> I[Display educational answer]
```

Subscription and Account Lock

flowchart TD

```
A[Owner opens subscription settings] --> B[Build quote]
B --> C[Create pending subscription checkout]
C --> D[Gateway redirect or confirmation]
D --> E[Confirm/webhook completes payment]
E --> F[Update account subscription dates]
F --> G[Route guards lift restrictions]
```

Reports and Export

flowchart TD

```
A[Open reports] --> B[Controller applies account/date scope]
B --> C[Aggregate appointments, revenue, patients, clinical data]
C --> D[Return dashboard JSON]
D --> E[Export service builds report]
E --> F[ReportLog records output]
```

Support Tickets

```
flowchart TD
  A[Create support ticket] --> B[Store ticket and attachments]
  B --> C[Append messages]
  C --> D[Update read states and unread count]
  D --> E[Change status or assignment]
  E --> F[Delete, restore, or force delete]
```

Public Content CMS

```
flowchart TD
  A[Superadmin manages guides, blog, FAQ, legal pages, partners] --> B[Normalize/store content blocks]
  B --> C[Public controllers expose published content]
  C --> D[Web and mobile screens fetch lists/details]
  D --> E[Visitors view content]
```

Backup and Restore

```
flowchart TD
  A[Superadmin opens backup page] --> B[Create backup or edit schedule]
  B --> C[DatabaseBackupService exports data/files]
  C --> D[SystemBackup tracks status]
  D --> E[Download, restore, or delete backup]
```

Database and Table Schedule

The database is defined by 77 migration files. The schedule below lists every table discovered from `Schema::create` or `Schema::table`, the migration source, current column inventory inferred from migrations, and known foreign-key-style fields.

Table	Created In	Modified In	Columns	Foreign Keys	Notes
account_billing_number_settings	2026_05_29_110000_create_account_billing_number_settings_table.php 2026_05_30_000003_ensure_account_billing_number_settings_table.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; unique, foreign key `invoice_segments` json `receipt_segments` json `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp	account_id, created_by, updated_by	-
account_consultation_settings	2026_06_07_000001_add_consultation_queue_limits.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; unique, foreign key `default_queue_limit` integer unsigned; nullable `created_at` timestamp `updated_at` timestamp	account_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
account_payment_settings	2026_05_30_000002_create_account_payment_settings_table.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; unique, foreign key `currency` varchar; default 'PHP' `credit_card_enabled` boolean; default false `paypal_enabled` boolean; default false `ewallet_enabled` boolean; default false `cash_enabled` boolean; default true `credit_card_provider` varchar; default 'stripe' `credit_card_public_key` text; nullable `credit_card_secret_key` text; nullable `credit_card_webhook_secret` text; nullable `paypal_client_id` text; nullable `paypal_client_secret` text; nullable `paypal_mode` varchar; default 'sandbox' `ewallet_provider` varchar; default 'stripe' `ewallet_public_key` text; nullable `ewallet_secret_key` text; nullable `ewallet_webhook_secret` text; nullable `ewallet_methods` text; nullable `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp	account_id, created_by, updated_by	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
accounts	0001_01_01_000000_create_users_table.php	2026_05_23_000002_ad_d_booking_codes_and_widget_expiry.php 2026_05_23_000002_ad_d_booking_codes_and_widget_expiry.php 2026_05_30_000001_ad_d_subscription_payment_fields.php 2026_05_30_000001_ad_d_subscription_payment_fields.php 2026_06_06_000003_ad_d_is_test_data_to_accounts_table.php 2026_06_06_000003_ad_d_is_test_data_to_accounts_table.php	`id` bigint unsigned primary key `clinic_name` varchar `owner_name` varchar `email` varchar; unique `phone` varchar; nullable `status` enum; default 'trial' `payment_required` boolean; default true `trial_ends_at` timestamp; nullable `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `code` dropColumn `subscription_ends_at` dropColumn `is_test_data` dropColumn	-	2026_05_23_000002_ad_d_booking_codes_and_widget_expiry.php: drops or renames columns; 2026_05_30_000001_ad_d_subscription_payment_fields.php: drops or renames columns; 2026_06_06_000003_ad_d_is_test_data_to_accounts_table.php: drops or renames columns
advertisements	2026_05_21_000002_create_clinic_feature_tables.php	-	`id` bigint unsigned primary key `title` varchar `content` text `image_url` varchar; nullable `link_url` varchar; nullable `placement` enum; default 'home' `starts_on` date `ends_on` date `status` enum; default 'active' `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	-	-
audit_logs	2026_05_21_000002_create_clinic_feature_tables.php	-	`id` bigint unsigned primary key `account_id` index `user_id` bigint unsigned foreign key; nullable, foreign key `event` varchar `subject_type` varchar; nullable `subject_id` bigint unsigned; nullable `properties` json; nullable `ip_address` varchar; nullable `created_at` timestamp `updated_at` timestamp	account_id, user_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
backup_schedules	2026_06_06_000002_create_backup_schedules_table.php	-	`id` bigint unsigned primary key `is_enabled` boolean; default false `frequency` varchar; default 'daily' `run_at` time; default '02:00:00' `day_of_week` unsignedTinyInteger; default 1 `day_of_month` unsignedTinyInteger; default 1 `retain_count` unsignedSmallInteger; default 10 `last_run_at` timestamp; nullable `next_run_at` timestamp; nullable `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp	updated_by	-
blog_posts	2026_05_31_000001_create_blog_posts_table.php	-	`id` bigint unsigned primary key `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `title` varchar `slug` varchar; unique `excerpt` varchar; nullable `content` longtext; nullable `content_blocks` json; nullable `status` enum; default 'draft' `published_at` timestamp; nullable `featured_image` varchar; nullable `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	created_by, updated_by	-
cache	0001_01_01_000001_create_cache_table.php	-	`key` varchar `value` mediumtext `expiration` bigint	-	-
cache_locks	0001_01_01_000001_create_cache_table.php	-	`key` varchar `owner` varchar `expiration` bigint	-	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
clinic_branches	2026_05_21_000001_create_clinic_core_tables.php	2026_05_23_000002_add_booking_codes_and_widget_expiry.php 2026_05_23_000002_add_booking_codes_and_widget_expiry.php 2026_05_29_000002_add_staff_and_branch_prescription_fields.php 2026_05_29_000002_add_staff_and_branch_prescription_fields.php	`id` bigint unsigned primary key `account_id` unique `name` varchar `address` text `google_map_url` varchar; nullable `latitude` decimal; nullable `longitude` decimal; nullable `bir_tin` varchar; nullable `business_hours` json; nullable `status` enum; default 'active' `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `code` dropColumn `clinic_branches_account_code_unique` dropUnique `phone` dropColumn `email` varchar; nullable `emergency_info` text; nullable	account_id	2026_05_23_000002_add_booking_codes_and_widget_expiry.php: drops or renames columns; 2026_05_29_000002_add_staff_and_branch_prescription_fields.php: drops or renames columns
consultations	2026_05_24_000004_create_consultations_tables.php	2026_06_07_000001_add_consultation_queue_limits.php 2026_06_07_000001_add_consultation_queue_limits.php	`id` bigint unsigned primary key `account_id` unique `date` date `status` enum; default 'active' `created_at` timestamp `updated_at` timestamp `queue_limit` dropColumn	account_id	2026_06_07_000001_add_consultation_queue_limits.php: drops or renames columns

Table	Created In	Modified In	Columns	Foreign Keys	Notes
customers	2026_05_21_000001_create_clinic_core_tables.php	2026_05_23_000004_add_photo_fields_to_profiles.php 2026_05_23_000004_add_photo_fields_to_profiles.php 2026_06_03_000001_add_customer_code_to_customers.php 2026_06_03_000001_add_customer_code_to_customers.php	`id` bigint unsigned primary key `account_id` unique unsigned foreign key; `user_id` bigint unsigned foreign key; nullable, foreign key `first_name` varchar `last_name` varchar `address` text; nullable `phone` varchar; nullable `email` varchar; nullable `status` enum; default 'active' `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `photo_path` dropColumn `photo_filename` varchar; nullable `customer_code` dropColumn `customers_account_code_unique` dropUnique	account_id, user_id	2026_05_23_000004_add_photo_fields_to_profiles.php: drops or renames columns; 2026_06_03_000001_add_customer_code_to_customers.php: drops or renames columns
daily_priority_patients	2026_05_21_000002_create_clinic_feature_tables.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `patient_id` bigint unsigned foreign key; foreign key `schedule_id` bigint unsigned foreign key; nullable, foreign key `priority_date` date `priority_number` integer `status` enum; default 'waiting' `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	account_id, patient_id, schedule_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
diagnoses	2026_05_21_000002_create_clinic_feature_tables.php	2026_05_22_000003_add_diagnosis_medical_history.php 2026_05_22_000003_add_diagnosis_medical_history.php 2026_05_22_121900_ensure_diagnoses_medical_history_column.php 2026_05_22_121900_ensure_diagnoses_medical_history_column.php 2026_05_22_170000_add_service_product_id_to_diagnoses.php 2026_05_22_170000_add_service_product_id_to_diagnoses.php 2026_05_28_000001_add_diagnosis_clinical_fields.php 2026_05_28_000001_add_diagnosis_clinical_fields.php	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `patient_id` bigint unsigned foreign key; foreign key `created_by` bigint unsigned foreign key; foreign key `notes` text `attachments` json; nullable `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `medical_history` dropColumn `service_product_id` dropConstrainedForeignId `chief_complaint` text; nullable `history_of_present_illness` text; nullable `vital_signs` json; nullable `primary_diagnosis` varchar; nullable `secondary_diagnoses` json; nullable `diagnosis_notes` text; nullable `assessment` text; nullable `plan` text; nullable `visit_date` datetime; nullable `attending_doctor_id` bigint unsigned; nullable	account_id, created_by, patient_id	2026_05_22_000003_add_diagnosis_medical_history.php: drops or renames columns; 2026_05_22_121900_ensure_diagnoses_medical_history_column.php: drops or renames columns; 2026_05_28_000001_add_diagnosis_clinical_fields.php: drops or renames columns

Table	Created In	Modified In	Columns	Foreign Keys	Notes
document_design_settings	2026_05_28_000002_create_document_design_settings_table.php	2026_05_29_100000_add_medical_certificate_document_design_fields.php 2026_05_29_100000_add_medical_certificate_document_design_fields.php	`id` bigint unsigned primary key `account_id` unique `document_type` varchar `header_background_color` varchar; default '#0d6efd' `header_text_color` varchar; default '#ffffff' `content_background_color` varchar; default '#ffffff' `page_background_color` varchar; default '#f5f6f8' `footer_background_color` varchar; default '#f0f2f5' `footer_text_color` varchar; default '#667085' `font_family` varchar; default 'Inter, Segoe UI, sans-serif' `font_style` varchar; default 'normal' `accent_color` varchar; default '#20c997' `created_by` bigint unsigned; nullable `updated_by` bigint unsigned; nullable `created_at` timestamp `updated_at` timestamp `template_content` dropColumn `content_text_color` varchar; default '#1d2939'	account_id	2026_05_29_100000_add_medical_certificate_document_design_fields.php: drops or renames columns

Table	Created In	Modified In	Columns	Foreign Keys	Notes
documentation_pages	2026_05_21_000004_ad d_documentation_page s_and_restore_support. php	2026_05_26_000004_m ake_documentation_pa ges_platform_scoped.ph p 2026_05_26_000004_m ake_documentation_pa ges_platform_scoped.ph p 2026_05_26_000004_m ake_documentation_pa ges_platform_scoped.ph p 2026_05_26_000004_m ake_documentation_pa ges_platform_scoped.ph p 2026_05_26_000004_m ake_documentation_pa ges_platform_scoped.ph p 2026_05_26_000004_m ake_documentation_pa ges_platform_scoped.ph p 2026_05_27_000001_ad d_content_blocks_to_do cumentation_pages.php 2026_05_27_000001_ad d_content_blocks_to_do cumentation_pages.php	`id` bigint unsigned primary key `account_id` foreign `title` varchar `slug` dropUnique `content` longtext; nullable `status` enum; default 'draft' `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `content_blocks` dropColumn	account_id	2026_05_27_000001_ad d_content_blocks_to_do cumentation_pages.php : drops or renames columns
enum_options	2026_06_04_000001_cr eate_enum_options_tabl e.php	2026_06_04_000003_ad d_soft_deletes_to_enum _options_table.php 2026_06_04_000003_ad d_soft_deletes_to_enum _options_table.php	`id` bigint unsigned primary key `type` index `slug` varchar `label` varchar; nullable `sort_order` unsignedSmallInteger; default 0 `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	-	-
failed_jobs	0001_01_01_000002_cr eate_jobs_table.php	-	`id` bigint unsigned primary key `uuid` varchar; unique `connection` index `queue` varchar `payload` longtext `exception` longtext `failed_at` timestamp	-	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
faq_pages	2026_05_31_000002_create_faq_pages_table.php	-	`id` bigint unsigned primary key `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `title` varchar `slug` varchar; unique `content` longtext; nullable `content_blocks` json; nullable `status` enum; default 'draft' `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	created_by, updated_by	-
feature_settings	2026_06_05_000002_create_feature_settings_table.php	-	`id` bigint unsigned primary key `feature_id` unique `account_id` bigint unsigned foreign key; nullable, foreign key `enabled` boolean; default true `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp	account_id, feature_id, updated_by	-
features	2026_06_05_000001_create_features_table.php	-	`id` bigint unsigned primary key `key` varchar; unique `name` varchar `description` text; nullable `sort_order` unsignedSmallInteger; default 0 `default_enabled` boolean; default true `created_at` timestamp `updated_at` timestamp	-	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
inventory_items	2026_05_28_100000_create_pos_and_inventory_tables.php	-	`id` bigint unsigned primary key `account_id` unique `service_product_id` bigint unsigned foreign key; foreign key `clinic_branch_id` bigint unsigned foreign key; nullable, foreign key `quantity_on_hand` integer; default 0 `reserved_quantity` integer; default 0 `created_at` timestamp `updated_at` timestamp	account_id, clinic_branch_id, service_product_id	-
inventory_movements	2026_05_28_100000_create_pos_and_inventory_tables.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `service_product_id` bigint unsigned foreign key; foreign key `clinic_branch_id` bigint unsigned foreign key; nullable, foreign key `type` enum; default 'adjustment' `quantity` integer `quantity_before` integer `quantity_after` integer `reference_type` varchar; nullable `reference_id` bigint unsigned; nullable `notes` text; nullable `created_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp	account_id, clinic_branch_id, created_by, service_product_id	-
invoice_line_items	2026_05_28_100000_create_pos_and_inventory_tables.php	-	`id` bigint unsigned primary key `invoice_id` bigint unsigned foreign key; foreign key `service_product_id` bigint unsigned foreign key; nullable, foreign key `name` varchar `type` varchar; nullable `unit_price` decimal `quantity` integer unsigned; default 1 `line_total` decimal `created_at` timestamp `updated_at` timestamp	invoice_id, service_product_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
invoices	2026_05_21_000002_create_clinic_feature_tables.php	2026_05_22_180000_extend_invoices_and_create_official_receipts.php 2026_05_22_180000_extend_invoices_and_create_official_receipts.php 2026_05_28_100000_create_pos_and_inventory_tables.php 2026_05_28_100000_create_pos_and_inventory_tables.php 2026_06_02_000002_add_report_query_indexes.php 2026_06_02_000002_add_report_query_indexes.php	`id` bigint unsigned primary key `account_id` dropIndex `staff_user_id` bigint unsigned foreign key; nullable, foreign key `customer_id` bigint unsigned foreign key; nullable, foreign key `subtotal` decimal; default 0 `discount` decimal; default 0 `total` decimal; default 0 `status` enum; default 'draft' `items` json; nullable `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `invoice_number` varchar; nullable `patient_id` bigint unsigned foreign key; nullable, foreign key `diagnosis_id` bigint unsigned foreign key; nullable, foreign key `tax_rate` decimal; default 0 `tax_amount` decimal; default 0 `sales_order_id` dropConstrainedForeignId `pos_session_id` dropConstrainedForeignId `clinic_branch_id` dropConstrainedForeignId `source` dropColumn	account_id, clinic_branch_id, customer_id, diagnosis_id, patient_id, pos_session_id, sales_order_id, staff_user_id	2026_05_22_180000_extend_invoices_and_create_official_receipts.php: drops or renames columns; 2026_05_28_100000_create_pos_and_inventory_tables.php: drops or renames columns
job_batches	0001_01_01_000002_create_jobs_table.php	-	`id` varchar `name` varchar `total_jobs` integer `pending_jobs` integer `failed_jobs` integer `failed_job_ids` longtext `options` mediumtext; nullable `cancelled_at` integer; nullable `created_at` integer `finished_at` integer; nullable	-	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
jobs	0001_01_01_000002_create_jobs_table.php	-	`id` bigint unsigned primary key `queue` varchar `payload` longtext `attempts` unsignedSmallInteger `reserved_at` integer unsigned; nullable `available_at` integer unsigned `created_at` integer unsigned	-	-
mass_message_campaigns	2026_06_07_000002_create_mass_message_tables.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `channel` enum `subject` varchar; nullable `body` longtext `customer_ids` json; nullable `external_recipients` json; nullable `sent_count` integer unsigned; default 0 `failed_count` integer unsigned; default 0 `skipped_count` integer unsigned; default 0 `created_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp	account_id, created_by	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
mass_message_email_designs	2026_06_07_000002_create_mass_message_tables.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; unique, foreign key `page_background_color` varchar; default '#f2f4f7' `header_background_color` varchar; default '#ffffff' `header_text_color` varchar; default '#101828' `header_brand_text` varchar; nullable `header_logo_url` varchar; nullable `header_show_view_in_browser` boolean; default true `header_view_in_browser_text` varchar; default 'View in browser' `hero_enabled` boolean; default true `hero_background_color` varchar; default '#eff8ff' `hero_icon_url` varchar; nullable `content_background_color` varchar; default '#ffffff' `font_family` varchar; default 'Arial, Helvetica, sans-serif' `body_font_size` varchar; default '16px' `heading_font_size` varchar; default '18px' `body_font_weight` varchar; default '400' `heading_font_weight` varchar; default '600' `body_font_style` varchar; default 'normal' `heading_font_style` varchar; default 'normal' `body_text_color` varchar; default '#475467' `heading_text_color` varchar; default '#101828' `body_intro_html` longtext; nullable `body_outro_html` longtext; nullable `cta_enabled` boolean; default false `cta_text` varchar; nullable `cta_url` varchar; nullable `cta_background_color`	account_id, created_by, updated_by	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
medical_treatments	2026_05_22_140000_ad d_patient_treatments_a nd_clinical_notes.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `patient_id` bigint unsigned foreign key; foreign key `name` varchar; nullable `dosage` varchar; nullable `frequency` varchar; nullable `purpose` varchar; nullable `notes` text; nullable `created_at` timestamp `updated_at` timestamp	account_id, patient_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
notification_email_designs	2026_05_25_000004_create_notification_email_designs_table.php	2026_05_26_000002_ad_d_font_styles_to_notification_email_designs.php 2026_05_26_000002_ad_d_font_styles_to_notification_email_designs.php	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; unique, foreign key `notification_setting_id` bigint unsigned foreign key; unique, foreign key `page_background_color` varchar; default '#f2f4f7' `header_background_color` varchar; default '#ffffff' `header_text_color` varchar; default '#101828' `header_brand_text` varchar; nullable `header_logo_url` varchar; nullable `header_show_view_in_browser` boolean; default true `header_view_in_browser_text` varchar; default 'View in browser' `hero_enabled` boolean; default true `hero_background_color` varchar; default '#eff8ff' `hero_icon_url` varchar; nullable `content_background_color` varchar; default '#ffffff' `font_family` varchar; default 'Arial, Helvetica, sans-serif' `body_text_color` varchar; default '#475467' `heading_text_color` varchar; default '#101828' `body_intro_html` longtext; nullable `body_outro_html` longtext; nullable `cta_enabled` boolean; default false `cta_text` varchar; nullable `cta_url` varchar; nullable `cta_background_color` varchar; default '#2563eb' `cta_text_color` varchar; default '#ffffff' `trust_note_enabled` boolean; default true `trust_note_text` text; nullable `footer_background_color` varchar; default '#ffffff'	account_id, created_by, notification_setting_id, updated_by	2026_05_26_000002_ad_d_font_styles_to_notification_email_designs.php: drops or renames columns

Table	Created In	Modified In	Columns	Foreign Keys	Notes
notification_settings	2026_05_21_000002_create_clinic_feature_tables.php	2026_05_24_000001_rebuild_notification_settings_tables.php 2026_05_24_000001_rebuild_notification_settings_tables.php	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `default_send_email_now` boolean; default true `default_send_sms_now` boolean; default false `default_reminder_minutes_before` integer; default 1440 `email_templates` json; nullable `sms_templates` json; nullable `created_at` timestamp `updated_at` timestamp `default_send_reminder_sms` boolean; default false `default_send_reminder_email` boolean; default true `default_send_invoice_email_now` boolean; default true `default_send_invoice_sms_now` boolean; default false	account_id	2026_05_24_000001_rebuild_notification_settings_tables.php: drops or renames columns; 2026_05_24_000001_rebuild_notification_settings_tables.php: drops or renames columns
notification_template_attachments	2026_05_24_000001_rebuild_notification_settings_tables.php	-	`id` bigint unsigned primary key `notification_template_id` bigint unsigned `filename` varchar `file_path` varchar `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	created_by, updated_by	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
notification_template_settings	2026_05_24_000001_rebuild_notification_settings_tables.php	2026_05_24_000002_add_target_feature_to_notification_template_settings.php 2026_05_24_000002_add_target_feature_to_notification_template_settings.php 2026_05_24_000003_add_action_type_and_schedule_type_to_notification_templates.php 2026_05_24_000003_add_action_type_and_schedule_type_to_notification_templates.php	`id` bigint unsigned primary key `account_id` unique `notification_name` varchar `notification_slug` varchar `template_type` enum `recipient_type` enum `subject` varchar; nullable `content` longtext; nullable `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `target_feature` dropColumn `action_type` enum; default 'now' `schedule_type` enum; nullable	account_id, created_by, updated_by	2026_05_24_000002_add_target_feature_to_notification_template_settings.php: drops or renames columns; 2026_05_24_000003_add_action_type_and_schedule_type_to_notification_templates.php: drops or renames columns
official_receipt_line_items	2026_05_22_190000_create_official_receipt_line_items_table.php	-	`id` bigint unsigned primary key `official_receipt_id` bigint unsigned foreign key; foreign key `service_product_id` bigint unsigned foreign key; nullable, foreign key `name` varchar `price` decimal; default 0 `tax_amount` decimal; default 0 `discount_rate` decimal; default 0 `discount_amount` decimal; default 0 `quantity` integer unsigned; default 1 `created_at` timestamp `updated_at` timestamp	official_receipt_id, service_product_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
official_receipts	2026_05_22_180000_extend_invoices_and_create_official_receipts.php	2026_05_22_190000_create_official_receipt_line_items_table.php 2026_05_22_190000_create_official_receipt_line_items_table.php 2026_06_02_000002_added_report_query_indexes.php 2026_06_02_000002_added_report_query_indexes.php	`id` bigint unsigned primary key `account_id` dropIndex `invoice_id` bigint unsigned foreign key; unique, foreign key `receipt_number` varchar; nullable `customer_id` bigint unsigned foreign key; nullable, foreign key `patient_id` bigint unsigned foreign key; nullable, foreign key `subtotal` decimal; default 0 `discount` decimal; default 0 `tax_rate` decimal; default 0 `tax_amount` decimal; default 0 `total` decimal; default 0 `items` json; nullable `paid_at` timestamp; nullable `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	account_id, created_by, customer_id, invoice_id, patient_id, updated_by	2026_05_22_190000_create_official_receipt_line_items_table.php: drops or renames columns
partners	2026_05_27_000002_create_partners_table.php	-	`id` bigint unsigned primary key `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `name` varchar `logo_url` varchar; nullable `website_url` varchar; nullable `description` text; nullable `sort_order` integer unsigned; default 0 `is_visible` boolean; default true `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	created_by, updated_by	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
password_reset_tokens	0001_01_01_000000_create_users_table.php	-	`email` varchar `token` varchar `created_at` timestamp; nullable	-	-
patient_consultations	2026_05_24_000004_create_consultations_tables.php	-	`id` bigint unsigned primary key `consultation_id` unique `patient_id` bigint unsigned foreign key; foreign key `schedule_id` bigint unsigned foreign key; nullable, foreign key `priority_number` integer unsigned `status` enum; default 'waiting' `created_at` timestamp `updated_at` timestamp	consultation_id, patient_id, schedule_id	-
patient_emergency_contacts	2026_05_22_123700_add_patient_gender_contacts_and_insurance.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `patient_id` unique `name` varchar; nullable `relationship` varchar; nullable `phone` varchar; nullable `created_at` timestamp `updated_at` timestamp	account_id, patient_id	-
patient_family_history	2026_05_22_150000_create_patient_family_history.php	-	`id` bigint unsigned primary key `patient_id` unique `sickness_id` bigint unsigned foreign key; foreign key `created_at` timestamp `updated_at` timestamp	patient_id, sickness_id	-
patient_insurance	2026_05_22_123700_add_patient_gender_contacts_and_insurance.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `patient_id` unique `provider` varchar; nullable `policy_number` varchar; nullable `created_at` timestamp `updated_at` timestamp	account_id, patient_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
patient_sickness_history	2026_05_22_130000_create_sickness_and_patient_sickness_history.php	-	`id` bigint unsigned primary key `patient_id` unique `sickness_id` bigint unsigned foreign key; foreign key `created_at` timestamp `updated_at` timestamp	patient_id, sickness_id	-
patients	2026_05_21_000001_create_clinic_core_tables.php	2026_05_21_000007_add_patient_profile_fields.php 2026_05_21_000007_add_patient_profile_fields.php 2026_05_22_123700_add_patient_gender_contacts_and_insurance.php 2026_05_22_123700_add_patient_gender_contacts_and_insurance.php 2026_05_22_140000_add_patient_treatments_and_clinical_notes.php 2026_05_22_140000_add_patient_treatments_and_clinical_notes.php 2026_05_23_000004_add_photo_fields_to_profiles.php 2026_05_23_000004_add_photo_fields_to_profiles.php ... +2 more	`id` bigint unsigned primary key `account_id` dropIndex `customer_id` bigint unsigned foreign key; nullable, foreign key `first_name` varchar `last_name` varchar `date_of_birth` date; nullable `address` text; nullable `phone` varchar; nullable `email` varchar; nullable `status` enum; default 'active' `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `blood_type` varchar; nullable `mother_name` varchar; nullable `father_name` varchar; nullable `company_affiliated` varchar; nullable `job_position` varchar; nullable `job_industry` varchar; nullable `gender` dropColumn `surgeries` dropColumn `allergies` dropColumn `photo_path` dropColumn `photo_filename` varchar; nullable	account_id, customer_id	2026_05_21_000007_add_patient_profile_fields.php: drops or renames columns; 2026_05_22_123700_add_patient_gender_contacts_and_insurance.php: drops or renames columns; 2026_05_22_140000_add_patient_treatments_and_clinical_notes.php: drops or renames columns; 2026_05_23_000004_add_photo_fields_to_profiles.php: drops or renames columns

Table	Created In	Modified In	Columns	Foreign Keys	Notes
personal_access_tokens	2026_05_21_000003_create_personal_access_tokens_table.php	-	`id` bigint unsigned primary key `tokenable` morphs `name` text `token` varchar; unique `abilities` text; nullable `last_used_at` timestamp; nullable `expires_at` timestamp; nullable `created_at` timestamp `updated_at` timestamp	-	-
platform_feature_settings	2026_05_28_200000_create_platform_features_tables.php	-	`id` bigint unsigned primary key `platform_feature_id` unique `enabled` boolean; default true `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp	platform_feature_id, updated_by	-
platform_features	2026_05_28_200000_create_platform_features_tables.php	-	`id` bigint unsigned primary key `key` varchar; unique `name` varchar `description` text; nullable `sort_order` integer unsigned; default 0 `default_enabled` boolean; default true `created_at` timestamp `updated_at` timestamp	-	-
platform_settings	2026_05_27_000001_create_platform_settings_table.php	-	`id` bigint unsigned primary key `key` varchar; unique `value` json `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp	updated_by	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
pos_cash_drawer_events	2026_05_30_120000_ad d_pos_extended_features.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `pos_session_id` bigint unsigned foreign key; nullable, foreign key `sales_order_id` bigint unsigned foreign key; nullable, foreign key `triggered_by` bigint unsigned foreign key; nullable, foreign key `event_type` varchar; default 'manual' `notes` text; nullable `created_at` timestamp `updated_at` timestamp	account_id, pos_session_id, sales_order_id, triggered_by	-
pos_held_sales	2026_05_31_120000_create_pos_held_sales_table.php	-	`id` bigint unsigned primary key `account_id` unique `pos_session_id` index `clinic_branch_id` bigint unsigned foreign key; nullable, foreign key `hold_reference` varchar `label` varchar; nullable `item_count` unsignedSmallInteger; default 0 `total` decimal; default 0 `payload` json `status` enum; default 'on_hold' `held_by` bigint unsigned foreign key; foreign key `resumed_by` bigint unsigned foreign key; nullable, foreign key `resumed_at` timestamp; nullable `created_at` timestamp `updated_at` timestamp	account_id, clinic_branch_id, held_by, pos_session_id, resumed_by	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
pos_payment_devices	2026_06_06_000001_ad d_pos_payments_device s_and_sale_actions.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `pos_register_id` bigint unsigned foreign key; nullable, foreign key `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `name` varchar `device_type` varchar; default 'card_terminal' `provider` varchar; nullable `serial_number` varchar; nullable `connection_status` enum; default 'disconnected' `last_synced_at` timestamp; nullable `metadata` json; nullable `status` enum; default 'active' `created_at` timestamp `updated_at` timestamp	account_id, created_by, pos_register_id, updated_by	-
pos_registers	2026_05_28_100000_cr eate_pos_and_inventory _tables.php	-	`id` bigint unsigned primary key `account_id` unique `clinic_branch_id` bigint unsigned foreign key; nullable, foreign key `name` varchar `code` varchar `status` enum; default 'active' `created_at` timestamp `updated_at` timestamp	account_id, clinic_branch_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
pos_sessions	2026_05_28_100000_create_pos_and_inventory_tables.php	2026_05_30_120000_ad_d_pos_extended_features.php 2026_05_30_120000_ad_d_pos_extended_features.php 2026_06_06_000001_ad_d_pos_payments_devices_and_sale_actions.php 2026_06_06_000001_ad_d_pos_payments_devices_and_sale_actions.php	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `pos_register_id` bigint unsigned foreign key; foreign key `clinic_branch_id` bigint unsigned foreign key; nullable, foreign key `opened_by` bigint unsigned foreign key; foreign key `closed_by` bigint unsigned foreign key; nullable, foreign key `opening_float` decimal; default 0 `closing_cash` decimal; nullable `expected_cash` decimal; nullable `status` enum; default 'open' `opened_at` timestamp `closed_at` timestamp; nullable `notes` text; nullable `created_at` timestamp `updated_at` timestamp `cash_variance` dropColumn `card_sales_total` decimal; nullable `wallet_sales_total` decimal; nullable `connected_device_id` dropConstrainedForeignId	account_id, clinic_branch_id, closed_by, opened_by, pos_register_id	2026_05_30_120000_ad_d_pos_extended_features.php: drops or renames columns
prescription_items	2026_05_29_000001_ad_d_prescription_template_fields.php	-	`id` bigint unsigned primary key `prescription_id` bigint unsigned foreign key; foreign key `sort_order` unsignedSmallInteger; default 0 `medicine_strength` varchar `dosage_instructions` text; nullable `quantity` varchar; nullable `duration` varchar; nullable `created_at` timestamp `updated_at` timestamp	prescription_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
prescriptions	2026_05_21_000002_create_clinic_feature_tables.php	2026_05_22_000002_add_prescription_notes_attachments.php 2026_05_22_000002_add_prescription_notes_attachments.php 2026_05_25_000003_add_diagnosis_id_to_prescriptions.php 2026_05_25_000003_add_diagnosis_id_to_prescriptions.php 2026_05_29_000001_add_prescription_template_fields.php 2026_05_29_000001_add_prescription_template_fields.php	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `patient_id` bigint unsigned foreign key; foreign key `doctor_user_id` bigint unsigned foreign key; foreign key `medicines` text `instructions` text; nullable `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `notes` dropColumn `attachments` json; nullable `diagnosis_id` dropConstrainedForeignId `follow_up_date` dropColumn `clinic_branch_id` dropConstrainedForeignId	account_id, clinic_branch_id, doctor_user_id, patient_id	2026_05_22_000002_add_prescription_notes_attachments.php: drops or renames columns; 2026_05_29_000001_add_prescription_template_fields.php: drops or renames columns
report_logs	2026_06_02_000001_create_report_logs_table.php	-	`id` bigint unsigned primary key `account_id` index `user_id` bigint unsigned foreign key; foreign key `report_key` varchar `scope` index `filters` json; nullable `created_at` timestamp `updated_at` timestamp	account_id, user_id	-
role_user	2026_05_25_000002_create_role_user_table.php	-	`id` bigint unsigned primary key `user_id` unique `role_id` bigint unsigned foreign key; foreign key `assigned_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp	assigned_by, role_id, user_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
roles	2026_05_25_000001_create_roles_table.php	-	`id` bigint unsigned primary key `name` varchar `slug` varchar; unique `description` text; nullable `permissions` json; nullable `is_system` boolean; default false `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	-	-
sales_order_adjustments	2026_06_06_000001_add_pos_payments_devices_and_sale_actions.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `sales_order_id` bigint unsigned foreign key; foreign key `performed_by` bigint unsigned foreign key; foreign key `action` enum `reason` text `before_snapshot` json; nullable `after_snapshot` json; nullable `created_at` timestamp `updated_at` timestamp	account_id, performed_by, sales_order_id	-
sales_order_lines	2026_05_28_100000_create_pos_and_inventory_tables.php	2026_05_30_120000_add_pos_extended_features.php 2026_05_30_120000_add_pos_extended_features.php	`id` bigint unsigned primary key `sales_order_id` bigint unsigned foreign key; foreign key `service_product_id` bigint unsigned foreign key; nullable, foreign key `name` varchar `type` varchar; nullable `unit_price` decimal `quantity` integer unsigned; default 1 `line_total` decimal `created_at` timestamp `updated_at` timestamp `quantity_returned` dropColumn	sales_order_id, service_product_id	2026_05_30_120000_add_pos_extended_features.php; drops or renames columns

Table	Created In	Modified In	Columns	Foreign Keys	Notes
sales_order_payments	2026_06_06_000001_ad d_pos_payments_devices_and_sale_actions.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `sales_order_id` bigint unsigned foreign key; foreign key `pos_payment_device_id` bigint unsigned foreign key; nullable, foreign key `payment_mode` enum `amount` decimal `capture_mode` enum; default 'manual' `card_brand` varchar; nullable `card_last4` varchar; nullable `authorization_code` varchar; nullable `reference_number` varchar; nullable `wallet_provider` varchar; nullable `wallet_account` varchar; nullable `device_transaction_id` varchar; nullable `payment_notes` text; nullable `created_at` timestamp `updated_at` timestamp	account_id, pos_payment_device_id , sales_order_id	-
sales_order_return_lines	2026_05_30_120000_ad d_pos_extended_features.php	-	`id` bigint unsigned primary key `sales_order_return_id` bigint unsigned foreign key; foreign key `sales_order_line_id` bigint unsigned foreign key; foreign key `quantity` integer unsigned `line_refund` decimal `created_at` timestamp `updated_at` timestamp	sales_order_line_id, sales_order_return_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
sales_order_returns	2026_05_30_120000_ad d_pos_extended_features.php	-	`id` bigint unsigned primary key `account_id` unique `sales_order_id` bigint unsigned foreign key; foreign key `pos_session_id` bigint unsigned foreign key; nullable, foreign key `performed_by` bigint unsigned foreign key; foreign key `return_number` varchar `refund_amount` decimal `reason` text `created_at` timestamp `updated_at` timestamp	account_id, performed_by, pos_session_id, sales_order_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
sales_orders	2026_05_28_100000_create_pos_and_inventory_tables.php	2026_05_30_120000_ad_d_pos_extended_features.php 2026_05_30_120000_ad_d_pos_extended_features.php 2026_06_06_000001_ad_d_pos_payments_devices_and_sale_actions.php 2026_06_06_000001_ad_d_pos_payments_devices_and_sale_actions.php	`id` bigint unsigned primary key `account_id` unique `pos_session_id` bigint unsigned foreign key; nullable, foreign key `clinic_branch_id` bigint unsigned foreign key; nullable, foreign key `order_number` varchar `customer_id` bigint unsigned foreign key; nullable, foreign key `patient_id` bigint unsigned foreign key; nullable, foreign key `staff_user_id` bigint unsigned foreign key; nullable, foreign key `subtotal` decimal; default 0 `discount` decimal; default 0 `tax_rate` decimal; default 0 `tax_amount` decimal; default 0 `total` decimal; default 0 `status` enum; default 'completed' `payment_method` varchar; default 'cash' `amount_tendered` decimal; nullable `change_amount` decimal; default 0 `notes` text; nullable `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `discount_type` varchar; default 'none' `discount_percent` decimal; nullable `sc_pwd_type` varchar; nullable `sc_pwd_id_number` varchar; nullable `total_refunded` decimal; default 0 `prescription_id` dropConstrainedForeignId `void_reason` text; nullable `voided_by` dropConstrainedForeignId	account_id, clinic_branch_id, created_by, customer_id, last_adjusted_by, patient_id, pos_session_id, staff_user_id, updated_by, voided_by	2026_05_30_120000_ad_d_pos_extended_features.php: drops or renames columns; 2026_06_06_000001_ad_d_pos_payments_devices_and_sale_actions.php: drops or renames columns

Table	Created In	Modified In	Columns	Foreign Keys	Notes
schedules	2026_05_21_000001_create_clinic_core_tables.php	2026_05_21_000006_add_schedule_type.php 2026_05_21_000006_add_schedule_type.php 2026_05_26_000003_add_reminder_sent_tracking_columns.php 2026_05_26_000003_add_reminder_sent_tracking_columns.php 2026_06_02_000002_add_report_query_indexes.php 2026_06_02_000002_add_report_query_indexes.php	`id` bigint unsigned primary key `account_id` dropIndex `clinic_branch_id` bigint unsigned foreign key; nullable, foreign key `staff_user_id` bigint unsigned foreign key; nullable, foreign key `doctor_user_id` bigint unsigned foreign key; nullable, foreign key `customer_id` bigint unsigned foreign key; nullable, foreign key `patient_id` bigint unsigned foreign key; nullable, foreign key `service_product_id` bigint unsigned foreign key; nullable, foreign key `title` varchar `starts_at` datetime `ends_at` datetime `status` enum; default 'booked' `send_now_email` boolean; default false `send_now_sms` boolean; default false `reminder_minutes_before` integer; nullable `notes` text; nullable `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `schedule_type` dropColumn `reminder_email_sent_at` dropColumn `reminder_sms_sent_at` timestamp; nullable	account_id, clinic_branch_id, customer_id, doctor_user_id, patient_id, service_product_id, staff_user_id	2026_05_21_000006_add_schedule_type.php: drops or renames columns; 2026_05_26_000003_add_reminder_sent_tracking_columns.php: drops or renames columns
service_product_staff	2026_05_23_000001_create_widget_types_and_booking_tables.php	-	`id` bigint unsigned primary key `service_product_id` unique `staff_profile_id` bigint unsigned foreign key; foreign key `created_at` timestamp `updated_at` timestamp	service_product_id, staff_profile_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
service_products	2026_05_21_000001_create_clinic_core_tables.php	2026_05_23_000004_add_photo_fields_to_profiles.php 2026_05_23_000004_add_photo_fields_to_profiles.php 2026_05_28_100000_create_pos_and_inventory_tables.php 2026_05_28_100000_create_pos_and_inventory_tables.php	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `type` enum; default 'service' `name` varchar `description` text; nullable `price` decimal; default 0 `duration_minutes` integer; nullable `status` enum; default 'active' `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `image_path` dropColumn `image_filename` varchar; nullable `sku` dropColumn `barcode` varchar; nullable `cost_price` decimal; default 0 `track_inventory` boolean; default false `reorder_level` integer unsigned; default 0 `unit_of_measure` varchar; default 'pcs'	account_id	2026_05_23_000004_add_photo_fields_to_profiles.php: drops or renames columns; 2026_05_28_100000_create_pos_and_inventory_tables.php: drops or renames columns
sessions	0001_01_01_000000_create_users_table.php	-	`id` varchar `user_id` bigint unsigned foreign key; nullable, foreign key `ip_address` varchar; nullable `user_agent` text; nullable `payload` longtext `last_activity` integer	user_id	-
sickness	2026_05_22_130000_create_sickness_and_patient_sickness_history.php	-	`id` bigint unsigned primary key `sick_name` varchar `detail_name` text; nullable `hereditary` boolean; default false `status` varchar; default 'active' `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	-	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
staff_profiles	2026_05_21_000001_create_clinic_core_tables.php	2026_05_22_000001_add_staff_identity_fields.php 2026_05_22_000001_add_staff_identity_fields.php 2026_05_23_000004_add_photo_fields_to_profiles.php 2026_05_23_000004_add_photo_fields_to_profiles.php 2026_05_29_000002_add_staff_and_branch_prescription_fields.php 2026_05_29_000002_add_staff_and_branch_prescription_fields.php	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `user_id` bigint unsigned foreign key; foreign key `position` varchar; default 'staff' `availability` json; nullable `permissions` json; nullable `status` enum; default 'active' `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `first_name` dropColumn `last_name` varchar; nullable `email` varchar; nullable `user_role` enum; default 'staff' `photo_path` dropColumn `photo_filename` varchar; nullable `license_number` dropColumn `specialty` varchar; nullable `phone` varchar; nullable `signature_path` varchar; nullable `signature_filename` varchar; nullable	account_id, user_id	2026_05_22_000001_add_staff_identity_fields.php: drops or renames columns; 2026_05_23_000004_add_photo_fields_to_profiles.php: drops or renames columns; 2026_05_29_000002_add_staff_and_branch_prescription_fields.php: drops or renames columns

Table	Created In	Modified In	Columns	Foreign Keys	Notes
subscriptions	2026_05_21_000002_create_clinic_feature_tables.php	2026_05_30_000001_add_subscription_payment_fields.php 2026_05_30_000001_add_subscription_payment_fields.php 2026_06_02_000002_add_report_query_indexes.php 2026_06_02_000002_add_report_query_indexes.php	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `billing_period` enum; default 'monthly' `base_amount_per_staff` decimal; default 0 `active_staff_count` integer; default 0 `discount_percent` decimal; default 0 `amount_due` decimal; default 0 `starts_at` date; nullable `ends_at` date; nullable `status` dropIndex `created_at` timestamp `updated_at` timestamp `currency` varchar; default 'USD' `payment_method` enum; nullable `payment_status` dropIndex `gateway_provider` varchar; nullable `gateway_reference` varchar; nullable `gateway_payment_id` varchar; nullable `paid_at` timestamp; nullable	account_id	2026_05_30_000001_add_subscription_payment_fields.php: drops or renames columns
support_ticket_attachments	2026_06_01_000003_create_support_ticket_attachments_table.php	-	`id` bigint unsigned primary key `support_ticket_id` bigint unsigned foreign key; foreign key `support_ticket_message_id` bigint unsigned foreign key; nullable, foreign key `type` enum; default 'upload' `url` varchar `label` varchar; nullable `sort_order` integer unsigned; default 0 `created_at` timestamp `updated_at` timestamp	support_ticket_id, support_ticket_message_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
support_ticket_messages	2026_06_01_000001_create_support_ticket_tables.php	-	`id` bigint unsigned primary key `support_ticket_id` bigint unsigned foreign key; foreign key `parent_id` bigint unsigned foreign key; nullable, foreign key `user_id` bigint unsigned foreign key; foreign key `body` text `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	parent_id, support_ticket_id, user_id	-
support_ticket_read_states	2026_06_01_000001_create_support_ticket_tables.php	-	`id` bigint unsigned primary key `support_ticket_id` unique `user_id` bigint unsigned foreign key; foreign key `last_read_at` timestamp; nullable `last_read_message_id` bigint unsigned; nullable `created_at` timestamp `updated_at` timestamp	support_ticket_id, user_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
support_tickets	2026_06_01_000001_create_support_ticket_tables.php	2026_06_01_000004_add_report_type_to_support_tickets_table.php 2026_06_01_000004_add_report_type_to_support_tickets_table.php	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; nullable, foreign key `reporter_user_id` bigint unsigned foreign key; foreign key `assigned_user_id` bigint unsigned foreign key; nullable, foreign key `feature_reported` varchar `subject` varchar `description` text `importance` enum; default 'medium' `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `report_type` dropColumn	account_id, assigned_user_id, created_by, reporter_user_id, updated_by	2026_06_01_000004_add_report_type_to_support_tickets_table.php: drops or renames columns
system_backups	2026_06_06_000001_create_system_backups_table.php	-	`id` bigint unsigned primary key `filename` varchar `disk_path` varchar `size_bytes` bigint unsigned; default 0 `trigger` varchar; default 'manual' `status` varchar; default 'pending' `error_message` text; nullable `table_count` integer unsigned; default 0 `created_by` bigint unsigned foreign key; nullable, foreign key `completed_at` timestamp; nullable `created_at` timestamp `updated_at` timestamp	created_by	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
transactions	2026_05_21_000002_create_clinic_feature_tables.php	2026_05_28_100000_create_pos_and_inventory_tables.php 2026_05_28_100000_create_pos_and_inventory_tables.php 2026_05_30_000002_create_account_payment_settings_table.php 2026_05_30_000002_create_account_payment_settings_table.php 2026_06_06_000001_add_pos_payments_devices_and_sale_actions.php 2026_06_06_000001_add_pos_payments_devices_and_sale_actions.php	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; foreign key `invoice_id` bigint unsigned foreign key; nullable, foreign key `method` enum; default 'cash' `amount` decimal `reference_number` varchar; nullable `status` enum; default 'pending' `paid_at` timestamp; nullable `created_at` timestamp `updated_at` timestamp `pos_session_id` dropConstrainedForeignId `sales_order_id` dropConstrainedForeignId `gateway_provider` varchar; nullable `gateway_reference` varchar; nullable `gateway_payment_id` varchar; nullable `payment_notes` text; nullable `sales_order_payment_id` dropConstrainedForeignId	account_id, invoice_id, pos_session_id, sales_order_id	2026_05_30_000002_create_account_payment_settings_table.php: drops or renames columns

Table	Created In	Modified In	Columns	Foreign Keys	Notes
upcoming_consultations	2026_05_26_000001_create_upcoming_consultations_table.php	2026_05_26_000003_add_reminder_sent_tracking_columns.php 2026_05_26_000003_add_reminder_sent_tracking_columns.php	`id` bigint unsigned primary key `account_id` index `patient_id` bigint unsigned foreign key; foreign key `diagnosis_id` index `consultation_date` date `reminder_date` date `status` enum; default 'pending' `created_by` bigint unsigned foreign key; nullable, foreign key `updated_by` bigint unsigned foreign key; nullable, foreign key `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker `reminder_email_sent_at` dropColumn `reminder_sms_sent_at` timestamp; nullable	account_id, created_by, diagnosis_id, patient_id, updated_by	2026_05_26_000003_add_reminder_sent_tracking_columns.php: drops or renames columns
users	0001_01_01_000000_create_users_table.php	-	`id` bigint unsigned primary key `account_id` bigint unsigned foreign key; nullable, foreign key `name` varchar `email` varchar; unique `role` enum; default 'customer' `status` enum; default 'pending' `verification_code` varchar; nullable `verification_code_expires_at` timestamp; nullable `email_verified_at` timestamp; nullable `password` varchar; nullable `remember_token` varchar; nullable `created_at` timestamp `updated_at` timestamp `deleted_at` timestamp; soft delete marker	account_id	-

Table	Created In	Modified In	Columns	Foreign Keys	Notes
widget_settings	2026_05_21_000002_create_clinic_feature_tables.php	2026_05_23_000001_create_widget_types_and_booking_tables.php 2026_05_23_000001_create_widget_types_and_booking_tables.php 2026_05_23_000001_create_widget_types_and_booking_tables.php 2026_05_23_000002_added_booking_codes_and_widget_expiry.php 2026_05_23_000002_added_booking_codes_and_widget_expiry.php 2026_05_23_000003_update_widget_settings_styling_fields.php 2026_05_23_000003_update_widget_settings_styling_fields.php	`id` bigint unsigned primary key `account_id` unique `primary_color` varchar; default '#2563eb' `button_text` varchar; default 'Book Appointment' `intro_content` text; nullable `time_buttons` json; nullable `allow_reschedule` boolean; default true `allow_cancel` boolean; default true `created_at` timestamp `updated_at` timestamp `widget_type_id` dropColumn `clinic_branch_id` dropForeign `time_range` unsignedSmallInteger; default 30 `widget_settings_account_branch_type_unique` dropUnique `expires_at` dropColumn `header_footer_bg` dropColumn `header_footer_font_color` varchar; default '#101828' `font_style` varchar; default 'Inter, system-ui, sans-serif'	account_id, clinic_branch_id, widget_type_id	2026_05_23_000001_create_widget_types_and_booking_tables.php: drops or renames columns; 2026_05_23_000001_create_widget_types_and_booking_tables.php: drops or renames columns; 2026_05_23_000002_added_booking_codes_and_widget_expiry.php: drops or renames columns; 2026_05_23_000003_update_widget_settings_styling_fields.php: drops or renames columns; 2026_05_23_000003_update_widget_settings_styling_fields.php: drops or renames columns
widget_types	2026_05_23_000001_create_widget_types_and_booking_tables.php	-	`id` bigint unsigned primary key `name` varchar `slug` varchar; unique `created_at` timestamp `updated_at` timestamp	-	-

Backend API Routes

Protected routes are wrapped by Sanctum authentication, account feature checks, and subscription middleware unless specifically public. Account-owner and superadmin sections add narrower authorization rules.

Method	URI	Controller	Function
GET	/api/setup/status	SetupController	status
GET	/api/network-hints	SetupController	networkHints
GET	/api/requirements	SetupController	requirements
POST	/api/test-database	SetupController	testDatabase
POST	/api/install/prepare	SetupController	installPrepare

Method	URI	Controller	Function
POST	/api/install/migrate	SetupController	installMigrate
POST	/api/install/seed	SetupController	installSeed
POST	/api/install/finalize	SetupController	installFinalize
POST	/api/install	SetupController	install
GET	/api/public/app-config	PublicAppConfigController	show
GET	/api/public/contact	PublicContactController	show
POST	/api/public/contact	PublicContactController	submit
GET	/api/public/pages/{page}	PublicLegalPageController	show
GET	/api/public/partners	PublicPartnersController	index
GET	/api/captcha	CaptchaController	show
POST	/api/register	AuthController	register
POST	/api/verify	AuthController	verify
POST	/api/customer-onboard	AuthController	customerOnboard
POST	/api/login	AuthController	login
POST	/api/forgot-password	AuthController	forgotPassword
POST	/api/reset-password	AuthController	resetPassword
GET	/api/config	PublicBookingController	config
GET	/api/availability	PublicBookingController	availability
POST	/api/schedule	PublicBookingController	book
GET	/api//	DocumentationController	index
GET	/api/{slug}	DocumentationController	show
GET	/api//	BlogPublicController	index
GET	/api/{slug}	BlogPublicController	show
GET	/api//	FaqPublicController	index
GET	/api/{slug}	FaqPublicController	show
POST	/api/webhooks/payments/{provider}	PaymentWebhookController	handle
GET	/api/me	AuthController	me
GET	/api/profile	ProfileController	show
PUT	/api/profile/user	ProfileController	updateUser
PUT	/api/profile/password	ProfileController	updatePassword
PUT	/api/profile/staff	ProfileController	updateStaff
POST	/api/logout	AuthController	logout
GET	/api/dashboard/summary	DashboardController	summary
GET	/api/dashboard/analytics	DashboardController	analytics
GET	/api/dashboard/weather	DashboardController	weather
GET	/api/dashboard/health-news	DashboardController	healthNews
GET	/api/dashboard/map	DashboardController	map
GET	/api/dashboard/panels/activity	DashboardController	panelActivity
GET	/api/dashboard/panels/recent-accounts	DashboardController	panelRecentAccounts
GET	/api/dashboard/panels/sales-growth	DashboardController	panelSalesGrowth
GET	/api/dashboard/panels/incoming-appointments	DashboardController	panelIncomingAppointments
GET	/api/dashboard/panels/recent-appointments	DashboardController	panelRecentAppointments

Method	URI	Controller	Function
GET	/api/dashboard/panels/recent-invoices	DashboardController	panelRecentInvoices
POST	/api/uploads	UploadController	store
GET	/api/codes/generate	CodeGenerationController	generate
GET	/api/select-options/{source}	SelectOptionController	index
GET	/api/enum-options/{type}	EnumOptionController	index
GET	/api/sickness	SicknessController	index
POST	/api/ask-dr-ai	AskDrAiController	ask
GET	/api/consultations	ConsultationController	index
GET	/api/consultations/settings	ConsultationController	settings
PUT	/api/consultations/settings	ConsultationController	updateSettings
PUT	/api/consultations/limit	ConsultationController	updateDateLimit
GET	/api/consultations/download	ConsultationController	download
GET	/api/consultations/diagnosis	ConsultationController	diagnosisForPatient
POST	/api/consultations/patients	ConsultationController	storePatient
PUT	/api/consultations/patients/{id}	ConsultationController	updatePatient
POST	/api/consultations/patients/{id}/served	ConsultationController	markServed
POST	/api/consultations/patients/{id}/cancel	ConsultationController	markCancelled
POST	/api/consultations/patients/{id}/generate-invoice	ConsultationController	generateInvoice
GET	/api/customer/booking/widgets	CustomerBookingController	widgets
GET	/api/schedules	ScheduleController	index
POST	/api/schedules	ScheduleController	store
GET	/api/schedules/{schedule}/reschedule-slots	ScheduleController	rescheduleSlots
POST	/api/schedules/{schedule}/reschedule	ScheduleController	reschedule
GET	/api/schedules/{schedule}	ScheduleController	show
PUT	/api/schedules/{schedule}	ScheduleController	update
POST	/api/schedules/{schedule}/cancel	ScheduleController	cancel
POST	/api/staff/{staff}/send-access	StaffAccessController	send
POST	/api/customers/{customer}/send-access	CustomerAccessController	send
GET	/api/subscriptions/current	SubscriptionController	current
POST	/api/subscriptions/quote	SubscriptionController	quote
POST	/api/subscriptions/checkout	SubscriptionController	checkout
POST	/api/subscriptions/{subscription}/confirm	SubscriptionController	confirm
GET	/api/payment-gateway-settings	PaymentGatewaySettingsController	show
PUT	/api/payment-gateway-settings	PaymentGatewaySettingsController	update
GET	/api/billing-number-settings	BillingNumberSettingsController	show
PUT	/api/billing-number-settings	BillingNumberSettingsController	update
POST	/api/billing-number-settings/preview	BillingNumberSettingsController	preview
GET	/api/billing-number-settings/next	BillingNumberSettingsController	next
GET	/api/mass-messages/recipients	MassMessageController	recipients

Method	URI	Controller	Function
GET	/api/mass-messages/campaigns	MassMessageController	indexCampaigns
POST	/api/mass-messages/send	MassMessageController	send
GET	/api/mass-messages/email-design	MassMessageController	showEmailDesign
PUT	/api/mass-messages/email-design	MassMessageController	updateEmailDesign
POST	/api/mass-messages/email-design/preview	MassMessageController	previewEmailDesign
GET	/api/state	PosController	state
GET	/api/dashboard	PosController	dashboard
GET	/api/reconciliation	PosController	reconciliation
GET	/api/products/search	PosController	searchProducts
GET	/api/patients/search	PosController	searchPatients
GET	/api/prescriptions/{id}/cart	PosController	prescriptionCart
POST	/api/totals/preview	PosController	previewTotals
POST	/api/cash-drawer/open	PosController	openCashDrawer
GET	/api/holds	PosController	listHeldSales
POST	/api/holds	PosController	holdSale
POST	/api/holds/{id}/resume	PosController	resumeHeldSale
DELETE	/api/holds/{id}	PosController	discardHeldSale
POST	/api/sessions/open	PosController	openSession
POST	/api/sessions/close	PosController	closeSession
POST	/api/sales	PosController	completeSale
GET	/api/sales	PosController	salesHistory
GET	/api/sales/{id}	PosController	showSale
GET	/api/sales/{id}/receipt	PosController	saleReceipt
POST	/api/sales/{id}/return	PosController	returnSale
POST	/api/sales/{id}/void	PosController	voidSale
PUT	/api/sales/{id}	PosController	editSale
GET	/api/devices	PosController	listDevices
POST	/api/devices	PosController	registerDevice
POST	/api/devices/{id}/connect	PosController	connectDevice
POST	/api/devices/disconnect	PosController	disconnectDevice
POST	/api/devices/{id}/sync	PosController	syncDevice
POST	/api/devices/{id}/capture	PosController	capturePayment
GET	/api//	InventoryController	index
GET	/api/movements	InventoryController	movements
POST	/api/adjust	InventoryController	adjust
GET	/api/invoice-payments/methods	InvoicePaymentController	methods
POST	/api/invoices/{invoice}/pay	InvoicePaymentController	pay
POST	/api/invoice-payments/{transaction}/confirm	InvoicePaymentController	confirm
GET	/api/reports/summary	ReportController	summary
GET	/api/reports/revenue	ReportController	revenue
GET	/api/reports/appointments	ReportController	appointments
GET	/api/reports/patients	ReportController	patients
GET	/api/reports/clinical	ReportController	clinical

Method	URI	Controller	Function
GET	/api/reports/customer-invoices	ReportController	customerInvoices
GET	/api/reports/outstanding-invoices	ReportController	outstandingInvoices
GET	/api/reports/{reportKey}/export	ReportController	export
GET	/api/{resource}/import-export/fields	ResourceImportExportController	fields
POST	/api/{resource}/import/preview	ResourceImportExportController	importPreview
POST	/api/{resource}/import	ResourceImportExportController	import
POST	/api/{resource}/export	ResourceImportExportController	export
GET	/api/superadmin/reports/summary	SuperadminReportController	summary
GET	/api/superadmin/reports/subscription-sales	SuperadminReportController	subscriptionSales
GET	/api/superadmin/reports/accounts-by-billing	SuperadminReportController	accountsByBilling
GET	/api/superadmin/reports/accounts	SuperadminReportController	accounts
GET	/api/superadmin/reports/accounts/{account}	SuperadminReportController	accountDetail
GET	/api/superadmin/reports/{reportKey}/export	SuperadminReportController	export
GET	/api/superadmin/accounts	SuperadminController	accounts
PATCH	/api/superadmin/accounts/{account}	SuperadminController	updateAccount
GET	/api/superadmin/accounts/{account}/logs	SuperadminController	accountLogs
GET	/api/superadmin/roles	SuperadminController	roles
POST	/api/superadmin/roles	SuperadminController	storeRole
PUT	/api/superadmin/roles/{role}	SuperadminController	updateRole
DELETE	/api/superadmin/roles/{role}	SuperadminController	destroyRole
GET	/api/superadmin/users	SuperadminController	users
POST	/api/superadmin/users	SuperadminController	storeUser
PUT	/api/superadmin/users/{user}	SuperadminController	updateUser
DELETE	/api/superadmin/users/{user}	SuperadminController	destroyUser
POST	/api/superadmin/users/{user}/restore	SuperadminController	restoreUser
DELETE	/api/superadmin/users/{user}/force	SuperadminController	forceDestroyUser
PUT	/api/superadmin/users/{user}/roles	SuperadminController	syncUserRoles
GET	/api/superadmin/enum-options	SuperadminEnumOptionController	index
POST	/api/superadmin/enum-options	SuperadminEnumOptionController	store
POST	/api/superadmin/enum-options/reorder	SuperadminEnumOptionController	reorder
PUT	/api/superadmin/enum-options/{id}	SuperadminEnumOptionController	update
DELETE	/api/superadmin/enum-options/{id}	SuperadminEnumOptionController	destroy
POST	/api/superadmin/enum-options/{id}/restore	SuperadminEnumOptionController	restore
DELETE	/api/superadmin/enum-options/{id}/force	SuperadminEnumOptionController	forceDestroy
GET	/api/superadmin/feature-settings	SuperadminFeatureSettingsController	index
PUT	/api/superadmin/feature-settings/{feature}	SuperadminFeatureSettingsController	update

Method	URI	Controller	Function
GET	/api/superadmin/platform-feature-settings/definitions	SuperadminPlatformFeatureSettingsController	definitions
GET	/api/superadmin/platform-feature-settings	SuperadminPlatformFeatureSettingsController	index
PUT	/api/superadmin/platform-feature-settings/{platformFeature}	SuperadminPlatformFeatureSettingsController	update
GET	/api/superadmin/captcha-settings	SuperadminCaptchaSettingsController	show
PUT	/api/superadmin/captcha-settings	SuperadminCaptchaSettingsController	update
GET	/api/superadmin/subscription-payment-settings	SuperadminSubscriptionPaymentSettingsController	show
PUT	/api/superadmin/subscription-payment-settings	SuperadminSubscriptionPaymentSettingsController	update
GET	/api/superadmin/branding-settings	SuperadminBrandingSettingsController	show
PUT	/api/superadmin/branding-settings	SuperadminBrandingSettingsController	update
GET	/api/superadmin/contact-settings	SuperadminContactSettingsController	show
PUT	/api/superadmin/contact-settings	SuperadminContactSettingsController	update
GET	/api/superadmin/legal-pages	SuperadminLegalPagesController	show
PUT	/api/superadmin/legal-pages	SuperadminLegalPagesController	update
GET	/api/superadmin/partners	SuperadminPartnersController	index
PUT	/api/superadmin/partners/page-settings	SuperadminPartnersController	updatePageSettings
POST	/api/superadmin/partners	SuperadminPartnersController	store
PUT	/api/superadmin/partners/{partner}	SuperadminPartnersController	update
DELETE	/api/superadmin/partners/{partner}	SuperadminPartnersController	destroy
POST	/api/superadmin/partners/{partner}/restore	SuperadminPartnersController	restore
DELETE	/api/superadmin/partners/{partner}/force	SuperadminPartnersController	forceDestroy
GET	/api/superadmin/backups	SuperadminBackupController	index
POST	/api/superadmin/backups	SuperadminBackupController	store
GET	/api/superadmin/backups/schedule	SuperadminBackupController	showSchedule
PUT	/api/superadmin/backups/schedule	SuperadminBackupController	updateSchedule
GET	/api/superadmin/backups/{backup}/download	SuperadminBackupController	download
POST	/api/superadmin/backups/{backup}/restore	SuperadminBackupController	restore
DELETE	/api/superadmin/backups/{backup}	SuperadminBackupController	destroy
GET	/api/support-tickets/unread-count	SupportTicketController	unreadCount
GET	/api/support-tickets/assignable-users	SupportTicketController	assignableUsers
GET	/api/support-tickets	SupportTicketController	index
POST	/api/support-tickets	SupportTicketController	store
GET	/api/support-tickets/{supportTicket}	SupportTicketController	show
PUT	/api/support-tickets/{supportTicket}	SupportTicketController	update

Method	URI	Controller	Function
DELETE	/api/support-tickets/{supportTicket}	SupportTicketController	destroy
POST	/api/support-tickets/{supportTicket}/restore	SupportTicketController	restore
DELETE	/api/support-tickets/{supportTicket}/force	SupportTicketController	forceDestroy
POST	/api/support-tickets/{supportTicket}/messages	SupportTicketController	storeMessage
POST	/api/support-tickets/{supportTicket}/read	SupportTicketController	markRead
GET	/api/invoices	InvoiceController	index
POST	/api/invoices	InvoiceController	store
GET	/api/invoices/{id}	InvoiceController	show
PUT	/api/invoices/{id}	InvoiceController	update
DELETE	/api/invoices/{id}	InvoiceController	destroy
DELETE	/api/invoices/{id}/force	InvoiceController	forceDestroy
POST	/api/invoices/{id}/restore	InvoiceController	restore
POST	/api/diagnoses/{diagnosis}/generate-invoice	InvoiceController	generateFromDiagnosis
GET	/api/official-receipts	OfficialReceiptController	index
GET	/api/official-receipts/{id}	OfficialReceiptController	show
PUT	/api/official-receipts/{id}	OfficialReceiptController	update
DELETE	/api/official-receipts/{id}	OfficialReceiptController	destroy
DELETE	/api/official-receipts/{id}/force	OfficialReceiptController	forceDestroy
POST	/api/official-receipts/{id}/restore	OfficialReceiptController	restore
GET	/api/upcoming-consultations	UpcomingConsultationController	index
POST	/api/upcoming-consultations	UpcomingConsultationController	store
PUT	/api/upcoming-consultations/{id}	UpcomingConsultationController	update
DELETE	/api/upcoming-consultations/{id}	UpcomingConsultationController	destroy
GET	/api/document-design/{type}	DocumentDesignController	show
PUT	/api/document-design/{type}	DocumentDesignController	update
GET	/api/notification-email-design	NotificationController	showEmailDesign
PUT	/api/notification-email-design	NotificationController	updateEmailDesign
POST	/api/notification-email-design/preview	NotificationController	previewEmailDesign
GET	/api/notification-settings	NotificationController	showSettings
PUT	/api/notification-settings	NotificationController	updateSettings
GET	/api/notification-templates/defaults	NotificationController	defaultTemplates
GET	/api/notification-templates	NotificationController	indexTemplates
POST	/api/notification-templates	NotificationController	storeTemplate
GET	/api/notification-templates/{id}	NotificationController	showTemplate
PUT	/api/notification-templates/{id}	NotificationController	updateTemplate
DELETE	/api/notification-templates/{id}	NotificationController	destroyTemplate
GET	/api/{resource}	GenericResourceController	index
POST	/api/{resource}	GenericResourceController	store
GET	/api/{resource}/{id}	GenericResourceController	show
PUT	/api/{resource}/{id}	GenericResourceController	update

Method	URI	Controller	Function
DELETE	/api/{resource}/{id}	GenericResourceController	destroy
DELETE	/api/{resource}/{id}/force	GenericResourceController	forceDestroy
POST	/api/{resource}/{id}/restore	GenericResourceController	restore

Backend Classes and Functions

The backend is organized into Eloquent models, API controllers, domain services, support classes, providers, middleware, and console/bootstrap code. The inventory below lists discovered classes and functions.

Models

File	Class	Functions
backend/app/Models/Account.php	Account	`subscriptions()`, `enumColumns()`
backend/app/Models/AccountBillingNumberSetting.php	AccountBillingNumberSetting	`casts()`, `account()`
backend/app/Models/AccountConsultationSetting.php	AccountConsultationSetting	`casts()`, `account()`
backend/app/Models/AccountPaymentSetting.php	AccountPaymentSetting	`account()`, `isMethodEnabled()`, `credentialsForMethod()`, `enumColumns()`
backend/app/Models/Advertisement.php	Advertisement	`enumColumns()`
backend/app/Models/AuditLog.php	AuditLog	`user()`
backend/app/Models/BackupSchedule.php	BackupSchedule	`updatedByUser()`, `current()`
backend/app/Models/BlogPost.php	BlogPost	`booted()`, `enumColumns()`
backend/app/Models/ClinicBranch.php	ClinicBranch	`enumColumns()`
backend/app/Models/Concerns/HasContentBlocks.php	HasContentBlocks	`bootHasContentBlocks()`, `scopePublished()`, `resolvedBlocks()`
backend/app/Models/Concerns/HasEnumOptions.php	HasEnumOptions	`enumColumns()`, `enumIdColumn()`, `enumCasts()`, `initializeHasEnumOptions()`, `scopeWhereEnum()`, `scopeWhereEnumNot()`, `scopeOrWhereEnumLike()`, `scopeOrderByEnum()`
backend/app/Models/Consultation.php	Consultation	`patientConsultations()`, `enumColumns()`
backend/app/Models/Customer.php	Customer	`account()`, `user()`, `patients()`, `schedules()`, `invoices()`, `displayName()`, `enumColumns()`
backend/app/Models/DailyPriorityPatient.php	DailyPriorityPatient	`enumColumns()`
backend/app/Models/Diagnosis.php	Diagnosis	`patient()`, `serviceProduct()`, `invoices()`, `activeInvoice()`, `prescriptions()`, `upcomingConsultations()`, `latestUpcomingConsultation()`
backend/app/Models/DocumentationPage.php	DocumentationPage	`account()`, `enumColumns()`
backend/app/Models/DocumentDesignSetting.php	DocumentDesignSetting	`account()`, `enumColumns()`
backend/app/Models/EnumOption.php	EnumOption	`idFor()`, `slugForId()`, `slugsFor()`, `optionsFor()`, `flushCache()`, `booted()`, `cachedMap()`, `cachedReverseMap()`
backend/app/Models/FaqPage.php	FaqPage	`enumColumns()`
backend/app/Models/Feature.php	Feature	`settings()`
backend/app/Models/FeatureSetting.php	FeatureSetting	`feature()`, `account()`, `updatedByUser()`
backend/app/Models/InventoryItem.php	InventoryItem	`casts()`, `serviceProduct()`, `clinicBranch()`
backend/app/Models/InventoryMovement.php	InventoryMovement	`serviceProduct()`

File	Class	Functions
backend/app/Models/Invoice.php	Invoice	`customer()`, `patient()`, `diagnosis()`, `officialReceipt()`, `salesOrder()`, `lineltems()`, `enumColumns()``
backend/app/Models/InvoiceLineltem.php	InvoiceLineltem	`casts()`, `invoice()``
backend/app/Models/MassMessageCampaign.php	MassMessageCampaign	`casts()`, `account()`, `creator()``
backend/app/Models/MassMessageEmailDesign.php	MassMessageEmailDesign	`casts()`, `account()``
backend/app/Models/MedicalTreatment.php	MedicalTreatment	-
backend/app/Models/NotificationEmailDesign.php	NotificationEmailDesign	`account()`, `notificationSetting()`, `enumColumns()``
backend/app/Models/NotificationSetting.php	NotificationSetting	`emailDesign()``
backend/app/Models/NotificationTemplateAttachment.php	NotificationTemplateAttachment	`template()``
backend/app/Models/NotificationTemplateSetting.php	NotificationTemplateSetting	`attachments()`, `enumColumns()``
backend/app/Models/OfficialReceipt.php	OfficialReceipt	`lineltems()`, `invoice()`, `customer()`, `patient()``
backend/app/Models/OfficialReceiptLineltem.php	OfficialReceiptLineltem	`officialReceipt()`, `serviceProduct()``
backend/app/Models/Partner.php	Partner	`casts()`, `scopeVisible()`, `createdByUser()`, `updatedByUser()``
backend/app/Models/Patient.php	Patient	`emergencyContact()`, `insurance()`, `sicknessHistory()`, `familySicknessHistory()`, `medicalTreatments()`, `getEmergencyContactNameAttribute()`, `getEmergencyContactRelationshipAttribute()`, `getEmergencyContactPhoneAttribute()`, `getInsuranceProviderAttribute()`, `getInsurancePolicyNumberAttribute()`, `getPatientSicknessIdsAttribute()`, `getPersonalHistoryAttribute()`, `getPatientFamilySicknessIdsAttribute()`, `getFamilyHistoryAttribute()`, `enumColumns()``
backend/app/Models/PatientConsultation.php	PatientConsultation	`consultation()`, `patient()`, `schedule()`, `enumColumns()``
backend/app/Models/PatientEmergencyContact.php	PatientEmergencyContact	-
backend/app/Models/PatientFamilyHistory.php	PatientFamilyHistory	`sickness()``
backend/app/Models/PatientInsurance.php	PatientInsurance	-
backend/app/Models/PatientSicknessHistory.php	PatientSicknessHistory	`sickness()``
backend/app/Models/PlatformFeature.php	PlatformFeature	`casts()`, `globalSetting()``
backend/app/Models/PlatformFeatureSetting.php	PlatformFeatureSetting	`casts()`, `platformFeature()`, `updatedByUser()``
backend/app/Models/PlatformSetting.php	PlatformSetting	`casts()`, `updatedByUser()``
backend/app/Models/PosCashDrawerEvent.php	PosCashDrawerEvent	`session()``
backend/app/Models/PosHeldSale.php	PosHeldSale	`casts()`, `session()`, `holder()`, `toPosArray()``
backend/app/Models/PosPaymentDevice.php	PosPaymentDevice	`casts()`, `account()`, `register()`, `payments()``
backend/app/Models/PosRegister.php	PosRegister	`account()`, `clinicBranch()`, `sessions()``
backend/app/Models/PosSession.php	PosSession	`casts()`, `register()`, `connectedDevice()`, `salesOrders()`, `scopeOpen()``
backend/app/Models/Prescription.php	Prescription	`patient()`, `diagnosis()`, `clinicBranch()`, `doctorStaff()`, `items()``
backend/app/Models/PrescriptionItem.php	PrescriptionItem	`prescription()``
backend/app/Models/ReportLog.php	ReportLog	`account()`, `user()`, `enumColumns()``

File	Class	Functions
backend/app/Models/Role.php	Role	`casts()`, `users()`
backend/app/Models/SalesOrder.php	SalesOrder	`casts()`, `payments()`, `adjustments()`, `lines()`, `invoice()`, `customer()`, `patient()`, `returns()`, `customerType()`, `customerDisplayLabel()`, `patientDisplayLabel()`, `toPosArray()`, `session()`
backend/app/Models/SalesOrderAdjustment.php	SalesOrderAdjustment	`casts()`, `salesOrder()`, `performer()`
backend/app/Models/SalesOrderLine.php	SalesOrderLine	`casts()`, `salesOrder()`, `serviceProduct()`
backend/app/Models/SalesOrderPayment.php	SalesOrderPayment	`casts()`, `salesOrder()`, `device()`, `transaction()`
backend/app/Models/SalesOrderReturn.php	SalesOrderReturn	`casts()`, `salesOrder()`, `lines()`, `performer()`
backend/app/Models/SalesOrderReturnLine.php	SalesOrderReturnLine	`casts()`, `salesOrderLine()`, `salesOrderReturn()`
backend/app/Models/Schedule.php	Schedule	`customer()`, `patient()`, `account()`, `clinicBranch()`, `serviceProduct()`, `enumColumns()`, `booted()`
backend/app/Models/ServiceProduct.php	ServiceProduct	`casts()`, `staffProfiles()`, `enumColumns()`, `requiresInventoryTracking()`, `toArray()`
backend/app/Models/Sickness.php	Sickness	`enumColumns()`
backend/app/Models/StaffProfile.php	StaffProfile	`user()`, `serviceProducts()`, `getNameAttribute()`, `getFullAddressAttribute()`, `getPermissionsAttribute()`, `enumColumns()`
backend/app/Models/Subscription.php	Subscription	`account()`, `enumColumns()`
backend/app/Models/SupportTicket.php	SupportTicket	`account()`, `reporter()`, `assignee()`, `messages()`, `readStates()`, `attachments()`, `enumColumns()`
backend/app/Models/SupportTicketAttachment.php	SupportTicketAttachment	`ticket()`, `message()`, `enumColumns()`
backend/app/Models/SupportTicketMessage.php	SupportTicketMessage	`ticket()`, `parent()`, `user()`, `replies()`
backend/app/Models/SupportTicketReadState.php	SupportTicketReadState	`ticket()`, `user()`
backend/app/Models/SystemBackup.php	SystemBackup	`creator()`, `absolutePath()`
backend/app/Models/Transaction.php	Transaction	`invoice()`, `salesOrderPayment()`, `account()`, `enumColumns()`
backend/app/Models/UpcomingConsultation.php	UpcomingConsultation	`patient()`, `diagnosis()`, `creator()`, `updater()`, `enumColumns()`
backend/app/Models/User.php	User	`isVerified()`, `staffProfile()`, `account()`, `roleRecord()`, `roles()`, `hasRole()`, `roleSlugs()`, `syncAssignedRoles()`, `role()`, `scopeWhereRoleSlug()`, `enumColumns()`
backend/app/Models/WidgetSetting.php	WidgetSetting	`widgetType()`, `clinicBranch()`, `account()`, `widgetStatusLabel()`
backend/app/Models/WidgetType.php	WidgetType	`widgetSettings()`

API Controllers

File	Class	Functions
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backend/app/Http/Controllers/Api/AskDrAiController.php	AskDrAiController	<pre> `__construct()`, `ask()`, `databaseAnswers()`, `globalReferenceAnswers()`, `aiGeneratedAnswer()`, `isLabInterpretationRequest()`, `educationalAnswerForQuestion()`, `deduplicateAnswers()`, `answerDedupeKey()`, `isDefinitionalQuestion()`, `hasDistinctiveMatch()`, `dropPlaceholdersWhenSpecificAnswersExist()`, `isSpecificConditionAnswer()`, `isLowValuePlaceholderAnswer()`, `extractEducationalTopic()`, `isDiseaseNotFoundAnswer()`, `buildDiseaseNotFoundAnswer()`, `extractMatchedTerms()`, `extractKeywordsFromQuestion()`, `fitPercentage()`, `enrichWithCareGuidance()`, `normalizeEmptyAnswerFields()` </pre>
backend/app/Http/Controllers/Api/AuthController.php	AuthController	<pre> `register()`, `verify()`, `customerOnboard()`, `login()`, `subscriptionRestrictedForUser()`, `defaultRedirect()`, `forgotPassword()`, `resetPassword()`, `me()`, `logout()` </pre>
backend/app/Http/Controllers/Api/BillingNumberSettingsController.php	BillingNumberSettingsController	<pre> `__construct()`, `show()`, `update()`, `preview()`, `next()`, `transform()`, `assertOwner()`, `assertBillingSettingsTable()` </pre>
backend/app/Http/Controllers/Api/BlogPublicController.php	BlogPublicController	<pre> `__construct()`, `index()`, `show()`, `transformPage()`, `transformListItem()` </pre>
backend/app/Http/Controllers/Api/CaptchaController.php	CaptchaController	<pre> `show()` </pre>
backend/app/Http/Controllers/Api/CodeGenerationController.php	CodeGenerationController	<pre> `generate()` </pre>
backend/app/Http/Controllers/Api/ConsultationController.php	ConsultationController	<pre> `index()`, `settings()`, `updateSettings()`, `updateDateLimit()`, `download()`, `storePatient()`, `updatePatient()`, `markServed()`, `markCancelled()`, `generateInvoice()`, `diagnosisForPatient()`, `findScoped()`, `formatRecord()` </pre>
backend/app/Http/Controllers/Api/CustomerAccessController.php	CustomerAccessController	<pre> `send()`, `sendLoginAccess()`, `fallbackLoginAccessBody()` </pre>
backend/app/Http/Controllers/Api/CustomerBookingController.php	CustomerBookingController	<pre> `widgets()`, `formatWidget()` </pre>
backend/app/Http/Controllers/Api/DashboardController.php	DashboardController	<pre> `summary()`, `analytics()`, `weather()`, `healthNews()`, `map()`, `panelActivity()`, `panelRecentAccounts()`, `panelSalesGrowth()`, `panelIncomingAppointments()`, `panelRecentAppointments()`, `panelRecentInvoices()`, `assertCustomerDashboard()`, `superadminSummary()`, `featuresFor()`, `normalizePeriod()`, `periodRange()`, `salesGrowthForSuperadmin()`, `presentationFor()`, `statsFor()`, `stat()`, `can()` </pre>
backend/app/Http/Controllers/Api/DocumentationController.php	DocumentationController	<pre> `__construct()`, `index()`, `show()`, `transformPage()`, `transformListItem()`, `resolveCategory()` </pre>
backend/app/Http/Controllers/Api/DocumentDesignController.php	DocumentDesignController	<pre> `show()`, `update()`, `designForAccount()`, `assertType()` </pre>
backend/app/Http/Controllers/Api/EnumOptionController.php	EnumOptionController	<pre> `index()` </pre>

backend/app/Http/Controllers/Api/FaqPublicController.php	FaqPublicController	`__construct()`, `index()`, `show()`, `transformPage()`, `transformListItem()`
backend/app/Http/Controllers/Api/GenericResourceController.php	GenericResourceController	`index()`, `store()`, `show()`, `update()`, `destroy()`, `restore()`, `forceDestroy()`, `ensureDocumentationSuperadmin()`, `abortIfProtectedDefault()`, `model()`, `findScoped()`, `applyResourceRelations()`, `transformResourceRecord()`, `createStaff()`, `updateStaff()`, `createCustomer()`, `updateCustomer()`, `createServiceProduct()`, `updateServiceProduct()`, `normalizeServiceProductPayload()`, `syncProductQuantity()`, `createWidgetSetting()`, `updateWidgetSetting()`, `syncStaffServices()`, `syncServiceStaff()`, `assertUniqueWidgetSetting()`, `createPatient()`, `updatePatient()`, `extractPatientRelatedPayload()`, `syncPatientRelatedRecords()`, `payload()`, `hydrateLegacyAddress()`, `createPrescription()`, `updatePrescription()`, `normalizePrescriptionItems()`, `syncPrescriptionItems()`, `buildPrescriptionMedicinesSummary()`, `validatePrescriptionDiagnosis()`, `scope()`, `scopedToAccount()`, `applyTrashFilter()`, `applyTrashScopeForFind()`, `usesSoftDeletes()`, `search()`, `filters()`
backend/app/Http/Controllers/Api/InventoryController.php	InventoryController	`__construct()`, `index()`, `movements()`, `adjust()`
backend/app/Http/Controllers/Api/InvoiceController.php	InvoiceController	`index()`, `store()`, `show()`, `update()`, `destroy()`, `restore()`, `forceDestroy()`, `generateFromDiagnosis()`, `scopedQuery()`, `findScoped()`, `ensureInvoiceEditable()`, `applySearch()`, `applySort()`
backend/app/Http/Controllers/Api/InvoicePaymentController.php	InvoicePaymentController	`methods()`, `pay()`, `confirm()`, `findInvoice()`
backend/app/Http/Controllers/Api/MassMessageController.php	MassMessageController	`recipients()`, `indexCampaigns()`, `send()`, `showEmailDesign()`, `updateEmailDesign()`, `previewEmailDesign()`, `emailDesignForAccount()`, `transformEmailDesign()`, `validateEmailDesign()`, `availableVariables()`, `assertOwner()`
backend/app/Http/Controllers/Api/NotificationController.php	NotificationController	`showSettings()`, `updateSettings()`, `indexTemplates()`, `defaultTemplates()`, `showTemplate()`, `storeTemplate()`, `updateTemplate()`, `destroyTemplate()`, `showEmailDesign()`, `updateEmailDesign()`, `previewEmailDesign()`, `emailDesignForAccount()`, `validateEmailDesign()`, `transformEmailDesign()`, `settingsForAccount()`, `findTemplate()`, `validateTemplate()`, `buildNotificationSlug()`, `ensureUniqueSlug()`, `syncAttachments()`, `transformTemplate()`, `normalizeTemplateData()`
backend/app/Http/Controllers/Api/OfficialReceiptController.php	OfficialReceiptController	`index()`, `show()`, `update()`, `destroy()`, `restore()`, `forceDestroy()`, `scopedQuery()`, `findScoped()`, `applySearch()`, `applySort()`, `mapLineItems()`

backend/app/Http/Controllers/Api/PaymentGatewaySettingsController.php	PaymentGatewaySettingsController	`show()`, `update()`, `mergeSecretFields()`
backend/app/Http/Controllers/Api/PaymentWebhookController.php	PaymentWebhookController	`handle()`
backend/app/Http/Controllers/Api/PosController.php	PosController	`__construct()`, `state()`, `listHeldSales()`, `holdSale()`, `resumeHeldSale()`, `discardHeldSale()`, `openSession()`, `closeSession()`, `reconciliation()`, `dashboard()`, `searchProducts()`, `searchPatients()`, `prescriptionCart()`, `previewTotals()`, `saleReceipt()`, `returnSale()`, `openCashDrawer()`, `completeSale()`, `salesHistory()`, `showSale()`, `voidSale()`, `editSale()`, `listDevices()`, `registerDevice()`, `connectDevice()`, `disconnectDevice()`, `syncDevice()`, `capturePayment()`, `currentSession()`, `findSale()`, `findDevice()`, `findHeldSale()`, `assertCanManagePosTransaction()`
backend/app/Http/Controllers/Api/ProfileController.php	ProfileController	`show()`, `updateUser()`, `updatePassword()`, `updateStaff()`, `profilePayload()`, `syncUserFromStaff()`, `syncStaffFromUser()`, `ensureStaffEmailAvailable()`, `syncStaffServices()`
backend/app/Http/Controllers/Api/PublicAppConfigController.php	PublicAppConfigController	`show()`, `fallbackConfig()`
backend/app/Http/Controllers/Api/PublicBookingController.php	PublicBookingController	`config()`, `availability()`, `book()`, `customerSession()`, `authenticatedCustomer()`, `resolveCustomerPatient()`, `createPatientFromPayload()`, `assertDoctorAssignedToService()`, `findOrCreateCustomer()`
backend/app/Http/Controllers/Api/PublicContactController.php	PublicContactController	`show()`, `submit()`
backend/app/Http/Controllers/Api/PublicLegalPageController.php	PublicLegalPageController	`show()`
backend/app/Http/Controllers/Api/PublicPartnersController.php	PublicPartnersController	`index()`, `transform()`
backend/app/Http/Controllers/Api/ReportController.php	ReportController	`__construct()`, `summary()`, `revenue()`, `appointments()`, `patients()`, `clinical()`, `outstandingInvoices()`, `export()`, `customerInvoices()`, `buildReportPayload()`, `summaryPayload()`, `filterSummaryData()`, `dateRange()`, `datedPayload()`, `authorizeReportExport()`, `authorizeReports()`, `authorizeCustomerReports()`, `normalizeGranularity()`
backend/app/Http/Controllers/Api/ResourceImportExportController.php	ResourceImportExportController	`__construct()`, `fields()`, `importPreview()`, `import()`, `export()`, `authorizeImport()`, `authorizeExport()`, `authorizeAccess()`
backend/app/Http/Controllers/Api/ScheduleController.php	ScheduleController	`index()`, `show()`, `rescheduleSlots()`, `reschedule()`, `store()`, `update()`, `cancel()`, `validated()`, `authorizeAccount()`
backend/app/Http/Controllers/Api/SelectOptionController.php	SelectOptionController	`index()`, `users()`, `usersFromRole()`, `usersFromStaffProfiles()`, `attendingDoctors()`, `attendingDoctorLabel()`

backend/app/Http/Controllers/Api/SetupController.php	SetupController	`__construct()`, `status()`, `networkHints()`, `requirements()`, `testDatabase()`, `install()`, `installPrepare()`, `installMigrate()`, `installSeed()`, `installFinalize()`, `runInstallStep()`, `validateDatabase()`, `validateInstall()`
backend/app/Http/Controllers/Api/SicknessController.php	SicknessController	`index()`
backend/app/Http/Controllers/Api/StaffAccessController.php	StaffAccessController	`send()`, `sendLoginAccess()`, `fallbackLoginAccessBody()`
backend/app/Http/Controllers/Api/SubscriptionController.php	SubscriptionController	`current()`, `quote()`, `checkout()`, `confirm()`
backend/app/Http/Controllers/Api/SuperadminBackupController.php	SuperadminBackupController	`__construct()`, `index()`, `store()`, `download()`, `destroy()`, `restore()`, `showSchedule()`, `updateSchedule()`, `assertSuperadmin()`
backend/app/Http/Controllers/Api/SuperadminBrandingSettingsController.php	SuperadminBrandingSettingsController	`__construct()`, `show()`, `update()`, `assertSuperadmin()`
backend/app/Http/Controllers/Api/SuperadminCaptchaSettingsController.php	SuperadminCaptchaSettingsController	`__construct()`, `show()`, `update()`, `assertSuperadmin()`
backend/app/Http/Controllers/Api/SuperadminContactSettingsController.php	SuperadminContactSettingsController	`__construct()`, `show()`, `update()`, `assertSuperadmin()`
backend/app/Http/Controllers/Api/SuperadminController.php	SuperadminController	`accounts()`, `updateAccount()`, `accountLogs()`, `roles()`, `storeRole()`, `updateRole()`, `destroyRole()`, `users()`, `storeUser()`, `updateUser()`, `destroyUser()`, `restoreUser()`, `forceDestroyUser()`, `syncUserRoles()`, `transformUser()`, `isProtectedFromPermanentDelete()`, `applyKeywordSearch()`
backend/app/Http/Controllers/Api/SuperadminEnumOptionController.php	SuperadminEnumOptionController	`index()`, `store()`, `update()`, `destroy()`, `restore()`, `forceDestroy()`, `reorder()`, `filterTypesForSearch()`, `validated()`, `assertSuperadmin()`
backend/app/Http/Controllers/Api/SuperadminFeatureSettingsController.php	SuperadminFeatureSettingsController	`__construct()`, `index()`, `update()`, `assertSuperadmin()`
backend/app/Http/Controllers/Api/SuperadminLegalPagesController.php	SuperadminLegalPagesController	`__construct()`, `show()`, `update()`, `assertSuperadmin()`
backend/app/Http/Controllers/Api/SuperadminPartnersController.php	SuperadminPartnersController	`__construct()`, `index()`, `updatePageSettings()`, `store()`, `update()`, `destroy()`, `restore()`, `forceDestroy()`, `validated()`, `transform()`, `assertSuperadmin()`
backend/app/Http/Controllers/Api/SuperadminPlatformFeatureSettingsController.php	SuperadminPlatformFeatureSettingsController	`__construct()`, `index()`, `definitions()`, `update()`, `assertSuperadmin()`
backend/app/Http/Controllers/Api/SuperadminReportController.php	SuperadminReportController	`__construct()`, `summary()`, `subscriptionSales()`, `accountsByBilling()`, `accounts()`, `accountDetail()`, `export()`, `buildReportPayload()`, `dateRange()`, `datedPayload()`, `normalizeGranularity()`
backend/app/Http/Controllers/Api/SuperadminSubscriptionPaymentSettingsController.php	SuperadminSubscriptionPaymentSettingsController	`__construct()`, `show()`, `update()`, `assertSuperadmin()`
backend/app/Http/Controllers/Api/SupportTicketController.php	SupportTicketController	`unreadCount()`, `assignableUsers()`, `index()`, `store()`, `show()`, `update()`, `destroy()`, `restore()`, `forceDestroy()`, `storeMessage()`, `markRead()`, `unreadQuery()`, `syncTicketReadState()`, `transformTicket()`, `transformMessage()`, `syncAttachments()`, `transformAttachment()`

backend/app/Http/Controllers/Api/UpcomingConsultationController.php	UpcomingConsultationController	`index()`, `store()`, `update()`, `destroy()`, `validatePayload()`, `findScoped()`, `transform()`
backend/app/Http/Controllers/Api/UploadController.php	UploadController	`store()`

Services

File	Class	Functions
backend/app/Services/AccountSetupService.php	AccountSetupService	`__construct()`, `provision()`, `createMainBranch()`, `createOwnerStaffProfile()`, `createDefaultWidgetSetting()`, `splitName()`
backend/app/Services/AppBrandingSettingsService.php	AppBrandingSettingsService	`getSettings()`, `getPublicBranding()`, `updateSettings()`, `forgetCache()`, `defaultSettings()`
backend/app/Services/AskDrAi/ExternalMedicalAnswerService.php	ExternalMedicalAnswerService	`__construct()`, `aiAnswers()`, `aiAnswersFromUploadedImages()`, `searchLayerAnswer()`, `searchSnippets()`, `buildMessages()`, `parseStructuredResponse()`, `normalizeStringList()`, `extractKeywords()`
backend/app/Services/AskDrAi/MedicalAnswerSymptomsResolver.php	MedicalAnswerSymptomsResolver	`resolve()`, `attach()`, `extractFromClinicalText()`, `splitSymptomPhrase()`, `normalizeList()`
backend/app/Services/AskDrAi/MedicalAttachmentContentService.php	MedicalAttachmentContentService	`__construct()`, `extractFromUrls()`, `extractSingle()`, `fileResult()`
backend/app/Services/AskDrAi/MedicalAttachmentDisplayFormatter.php	MedicalAttachmentDisplayFormatter	`format()`, `normalizeLines()`, `extractPatientFields()`, `extractTestRows()`, `flagNearTest()`, `referenceNearTest()`, `groupTestsBySection()`, `buildFormattedText()`, `buildSummary()`
backend/app/Services/AskDrAi/MedicalAttachmentStorageResolver.php	MedicalAttachmentStorageResolver	`resolveAbsolutePath()`, `resolveRelativePath()`, `originalFilename()`, `extension()`, `isAllowedAttachmentPath()`
backend/app/Services/AskDrAi/MedicalAttachmentTextExtractor.php	MedicalAttachmentTextExtractor	`__construct()`, `extract()`, `readPlainText()`, `readPdf()`, `readDocx()`, `readLegacyDoc()`, `readSpreadsheet()`, `normalizeText()`
backend/app/Services/AskDrAi/MedicalAttachmentVisionExtractor.php	MedicalAttachmentVisionExtractor	`__construct()`, `extractText()`, `extractWithTesseract()`, `locateTesseractBinary()`, `defaultTesseractCandidates()`
backend/app/Services/AskDrAi/MedicalAuthorityDataService.php	MedicalAuthorityDataService	`referencesFor()`, `lookup()`, `fetchPayload()`, `lookupMedlinePlus()`, `bestMedlineDocument()`, `parseMedlineDocument()`, `lookupScientificName()`, `buildReferences()`, `splitSections()`, `resolveDefinition()`, `sectionKey()`, `listFromSection()`, `htmlToPlainText()`, `plainText()`, `normalizeLabel()`, `medlineSearchTerm()`, `preferredScientificName()`, `emptyPayload()`
backend/app/Services/AskDrAi/MedicalDiseaseContentEnricher.php	MedicalDiseaseContentEnricher	`enrich()`, `baseDiseaseKey()`
backend/app/Services/AskDrAi/MedicalDiseaseContentLibrary.php	MedicalDiseaseContentLibrary	`get()`, `aliasMap()`, `topicForKey()`, `entries()`, `entry()`
backend/app/Services/AskDrAi/MedicalKnowledgeBaseBuilder.php	MedicalKnowledgeBaseBuilder	`__construct()`, `buildToDirectory()`, `recordIterator()`, `makeRecord()`, `applyAuthorityData()`, `finalizeRecord()`

File	Class	Functions
backend/app/Services/AskDrAi/MedicalKnowledgeBaseCatalog.php	MedicalKnowledgeBaseCatalog	<code>`presentationVariants()`, `baseDiseasesByCategory()`, `rareDiseases()`, `clinVarDiseaseEntries()`, `commonDiseases()`, `epidemicDiseases()`, `endemicDiseases()`, `fatalDiseases()`, `hereditaryDiseases()`, `mapNames()`</code>
backend/app/Services/AskDrAi/MedicalKnowledgeBaseRareDiseases.php	MedicalKnowledgeBaseRareDiseases	<code>`names()`</code>
backend/app/Services/AskDrAi/MedicalKnowledgeBaseService.php	MedicalKnowledgeBaseService	<code>`__construct()`, `matchNamedDisease()`, `matchAnswers()`, `totalRecords()`, `categoryIndex()`, `rankCategoryIndex()`, `findRecord()`, `answerFromContentLibrary()`, `expandSymptomSearchText()`, `detectCategoryHint()`, `matchedTerms()`, `searchTermsForEntry()`, `fitScore()`, `isPresentationVariantTitle()`</code>
backend/app/Services/AskDrAi/MedicalLabReportInterpreter.php	MedicalLabReportInterpreter	<code>`__construct()`, `interpret()`, `parseFindings()`, `buildInterpretationAnswer()`, `buildTextualLabSummary()`, `buildExtractionFailedAnswer()`, `detectFlag()`, `flagHemoglobin()`, `clinicalImplications()`, `matchedTermsFromFindings()`</code>
backend/app/Services/AskDrAi/MedicalQuestionMatcher.php	MedicalQuestionMatcher	<code>`isGenericTerm()`, `significantTerms()`, `isMostlyGenericTopic()`, `hasDistinctiveDiseaseTerms()`, `extractTopic()`, `normalizedSearchText()`, `normalizePhrase()`, `wordCount()`, `preservedSymptomPhrases()`, `buildSearchContext()`, `findCatalogDiseaseName()`, `tokenize()`, `catalogDiseaseNames()`</code>
backend/app/Services/AskDrAi/MedicalSourceReferenceService.php	MedicalSourceReferenceService	<code>`attach()`, `buildReferences()`, `referenceLabel()`, `normalizeReferences()`</code>
backend/app/Services/AskDrAi/SymptomConditionMatcher.php	SymptomConditionMatcher	<code>`rules()`, `isSymptomPresentation()`, `match()`, `phraseMatchesKeyword()`</code>
backend/app/Services/AuditLogFormatter.php	AuditLogFormatter	<code>`format()`, `formatMany()`, `subjectName()`, `resolveName()`, `resolveFeature()`, `resolveAction()`, `formatDateTime()`, `formatDateTimeParts()`, `resolveActorName()`, `buildDisplaySentence()`, `actionSentence()`, `findSubject()`, `nameFromModel()`, `fullName()`, `findPatientById()`, `fallbackName()`</code>
backend/app/Services/AuditLogger.php	AuditLogger	<code>`log()`</code>
backend/app/Services/BillingNumberService.php	BillingNumberService	<code>`tableExists()`, `settingsForAccount()`, `invoiceSegments()`, `receiptSegments()`, `defaultSettingsModel()`, `nextInvoiceNumber()`, `nextReceiptNumber()`, `preview()`, `formatSample()`, `nextNumber()`, `buildPrefix()`, `formatNumber()`, `renderSegment()`, `sequenceSegment()`, `assertValidSegments()`, `normalizeSegments()`</code>
backend/app/Services/BookingAvailabilityService.php	BookingAvailabilityService	<code>`availableSlots()`, `resolveAvailabilityWindows()`, `rangeToWindow()`, `overlapsBooked()`</code>
backend/app/Services/BookingWidgetResolver.php	BookingWidgetResolver	<code>`resolve()`</code>

File	Class	Functions
backend/app/Services/CaptchaService.php	CaptchaService	<code>`__construct()`, `isEnabled()`, `isRecaptchaEnabled()`, `provider()`, `issueChallenge()`, `validateRequest()`, `hasRecaptchaSubmission()`, `validateRecaptcha()`, `validateLocal()`, `generateLocalChallenge()`, `mathChallenge()`, `imageMatchChallenge()`, `randomQuestionChallenge()`, `normalizeAnswer()`, `cacheKey()`, `captchaCache()`, `normalizeContext()`</code>
backend/app/Services/CaptchaSettingsService.php	CaptchaSettingsService	<code>`pageKeys()`, `isValidPage()`, `getSettings()`, `isMasterEnabled()`, `isEnabledForPage()`, `updateSettings()`, `forgetCache()`, `defaultSettings()`</code>
backend/app/Services/ClinicReportService.php	ClinicReportService	<code>`summary()`, `revenue()`, `appointments()`, `patients()`, `clinical()`, `outstandingInvoices()`, `customerInvoices()`, `revenueSummary()`, `appointmentSummary()`, `patientSummary()`, `scopedScheduleQuery()`</code>
backend/app/Services/Consultations/ConsultationDocumentBuilder.php	ConsultationDocumentBuilder	<code>`build()`, `computeStats()`, `patientName()`, `formatAge()`, `statusLabel()`</code>
backend/app/Services/ConsultationService.php	ConsultationService	<code>`findOrCreateForDate()`, `settingsForAccount()`, `effectiveQueueLimit()`, `activeQueueCount()`, `queueMeta()`, `assertCanAddPatient()`, `addPatient()`, `nextPriorityNumber()`, `findDiagnosisForDate()`, `assertPatientBelongsToAccount()`</code>
backend/app/Services/ContactFormMailService.php	ContactFormMailService	<code>`__construct()`, `send()`</code>
backend/app/Services/ContactSettingsService.php	ContactSettingsService	<code>`getSettings()`, `getPublicContact()`, `updateSettings()`, `notificationEmail()`, `forgetCache()`, `formatAddress()`, `defaultSettings()`</code>
backend/app/Services/CustomerPortalScope.php	CustomerPortalScope	<code>`isCustomerPortal()`, `customerId()`, `customer()`, `affiliatedCustomers()`, `customerForAccount()`, `requireCustomerForAccount()`, `requireCustomerId()`, `allowedResources()`, `assertResourceAllowed()`, `assertCanMutate()`, `applyToQuery()`</code>
backend/app/Services/DashboardLocationService.php	DashboardLocationService	<code>`__construct()`, `resolveAccountLocation()`, `resolveUserLocation()`, `resolveUserPlace()`, `mapMarkers()`, `collectLocationEntries()`, `entityKey()`, `resolveEntityLocation()`, `bookedEntityKeys()`</code>
backend/app/Services/DatabaseBackupService.php	DatabaseBackupService	<code>`createBackup()`, `restoreBackup()`, `deleteBackup()`, `runScheduledBackupIfDue()`, `updateSchedule()`, `calculateNextRunAt()`, `nextWeeklyRun()`, `nextMonthlyRun()`, `exportDatabase()`, `importDatabase()`, `shouldUseMysqldump()`, `exportWithMysqldump()`, `importWithMysql()`, `exportWithPhp()`, `importWithPhp()`, `dumpTableSchema()`, `dumpTableData()`, `quoteValue()`, `listTables()`, `countTables()`, `createZipArchive()`, `pruneOldBackups()`, `commandExists()`</code>

File	Class	Functions
backend/app/Services/DocumentationContentService.php	DocumentationContentService	<code>`normalizeBlocks()`, `blocksFromLegacyContent()`, `compileBlocksToContent()`, `excerptFromBlocks()`, `normalizeStoragePath()`, `extractScreenshotFromHtml()`, `stripScreenshotFigures()`, `screenshotFigure()`</code>
backend/app/Services/EmailNotificationLayoutRenderer.php	EmailNotificationLayoutRenderer	<code>`defaults()`, `designPayload()`, `normalizeDesign()`, `wrap()`, `previewVariables()`, `herolconMarkup()`, `socialLinksMarkup()`, `backgroundInlineStyle()`, `backgroundFallbackColor()`, `fontInlineStyle()`, `replaceTokens()`, `escapeHtml()`, `escapeAttr()`</code>
backend/app/Services/FeatureSettingsService.php	FeatureSettingsService	<code>`syncDefinitions()`, `isEnabled()`, `resolvedMap()`, `listForScope()`, `updateSetting()`, `flushCache()`</code>
backend/app/Services/HealthNewsClient.php	HealthNewsClient	<code>`localNews()`, `internationalNews()`, `parseRssFeed()`, `fetchRssItems()`, `localFeedForCountry()`, `extractSource()`</code>
backend/app/Services/InstallationService.php	InstallationService	<code>`isInstalled()`, `clearStaleInstallationMarkers()`, `resetEnvironmentUrlDefaults()`, `applyEnvDefaults()`, `hasStaleInstallationMarkers()`, `isDatabaseReady()`, `hasExistingInstallation()`, `status()`, `requirements()`, `testDatabaseConnection()`, `networkHints()`, `installPrepare()`, `installMigrate()`, `installSeed()`, `installFinalize()`, `install()`, `assertInstallable()`, `readInstallPayload()`, `payloadPath()`, `writeEnvironmentFiles()`, `prepareApplicationForMigrations()`, `runInstallationSeeders()`, `provisionClinicAccounts()`, `runMigrations()`, `reloadAppKeyFromEnv()`, `refreshRuntimeConfig()`, `pdo()`, `resolveFrontendApiUrl()`, `markInstalled()`, `lockPath()`, `readLock()`, `checkPhpVersion()`, `checkExtensions()`, `checkWritable()`, `checkComposerVendor()`, `detectLanIpv4Addresses()`, `isPrivateLanIp()`, `collectStatefulHosts()`, `intranetAccessNotes()`</code>
backend/app/Services/InstallationUserCreator.php	InstallationUserCreator	<code>`createSuperadmin()`, `createClinicOwner()`</code>
backend/app/Services/InventoryService.php	InventoryService	<code>`getOrCreateItem()`, `availableQuantity()`, `adjust()`, `deductForSale()`, `restoreForVoid()`</code>
backend/app/Services/InvoiceNotificationService.php	InvoiceNotificationService	<code>`__construct()`, `dispatchForInvoice()`, `sendEmail()`, `sendSms()`, `recipientEmail()`, `recipientPhone()`</code>
backend/app/Services/InvoicePaymentService.php	InvoicePaymentService	<code>`__construct()`, `settingsForAccount()`, `availableMethods()`, `canPayInvoice()`, `payInvoice()`, `completePayment()`, `transformSettings()`, `recordManualPayment()`, `initiateOnlinePayment()`, `transformTransaction()`</code>

File	Class	Functions
backend/app/Services/InvoiceService.php	InvoiceService	<code>`__construct()`</code> , <code>`normalizeItems()`</code> , <code>`computeTotals()`</code> , <code>`normalizeReceiptLineItems()`</code> , <code>`computeReceiptTotals()`</code> , <code>`syncReceiptLineItems()`</code> , <code>`invoiceItemsToReceiptLineItems()`</code> , <code>`nextInvoiceNumber()`</code> , <code>`nextReceiptNumber()`</code> , <code>`buildPayload()`</code> , <code>`createFromDiagnosis()`</code> , <code>`findActiveInvoiceForDiagnosis()`</code> , <code>`syncOfficialReceipt()`</code> , <code>`hydrateLineItems()`</code>
backend/app/Services/LegalPagesSettingsService.php	LegalPagesSettingsService	<code>`getPages()`</code> , <code>`getPublicPage()`</code> , <code>`updatePages()`</code> , <code>`forgetCache()`</code> , <code>`defaultPages()`</code>
backend/app/Services/MassMessageMailSender.php	MassMessageMailSender	<code>`__construct()`</code> , <code>`send()`</code>
backend/app/Services/MassMessageService.php	MassMessageService	<code>`__construct()`</code> , <code>`recipientOptions()`</code> , <code>`send()`</code> , <code>`buildTargets()`</code> , <code>`variablesForCustomer()`</code> , <code>`baseVariables()`</code> , <code>`replaceTokens()`</code>
backend/app/Services/NotificationMailSender.php	NotificationMailSender	<code>`__construct()`</code> , <code>`send()`</code>
backend/app/Services/NotificationSettingResolver.php	NotificationSettingResolver	<code>`forAccount()`</code> , <code>`applyScheduleDefaults()`</code>
backend/app/Services/NotificationTemplateRenderer.php	NotificationTemplateRenderer	<code>`render()`</code> , <code>`variablesForSchedule()`</code> , <code>`variablesForUpcomingConsultation()`</code> , <code>`variablesForInvoice()`</code> , <code>`replaceTokens()`</code>
backend/app/Services/NotificationTemplateResolver.php	NotificationTemplateResolver	<code>`forSchedule()`</code> , <code>`forInvoice()`</code> , <code>`bySlug()`</code> , <code>`defaultTemplate()`</code>
backend/app/Services/OpenMeteoClient.php	OpenMeteoClient	<code>`geocode()`</code> , <code>`currentWeather()`</code> , <code>`weatherLabel()`</code>
backend/app/Services/PartnersPageSettingsService.php	PartnersPageSettingsService	<code>`getSettings()`</code> , <code>`getPublicSettings()`</code> , <code>`updateSettings()`</code> , <code>`forgetCache()`</code> , <code>`defaultSettings()`</code>
backend/app/Services/Payment/AccountPaymentGatewayManager.php	AccountPaymentGatewayManager	<code>`forAccountMethod()`</code>
backend/app/Services/Payment/Gateways/MockPaymentGateway.php	MockPaymentGateway	<code>`provider()`</code> , <code>`supportsMethod()`</code> , <code>`createCheckout()`</code> , <code>`verifyReturn()`</code> , <code>`handleWebhook()`</code> , <code>`checkoutForSubscription()`</code> , <code>`checkoutForTransaction()`</code>
backend/app/Services/Payment/Gateways/PayPalPaymentGateway.php	PayPalPaymentGateway	<code>`provider()`</code> , <code>`supportsMethod()`</code> , <code>`createCheckout()`</code> , <code>`verifyReturn()`</code> , <code>`handleWebhook()`</code> , <code>`accessToken()`</code> , <code>`baseUrl()`</code>
backend/app/Services/Payment/Gateways/StripePaymentGateway.php	StripePaymentGateway	<code>`provider()`</code> , <code>`supportsMethod()`</code> , <code>`createCheckout()`</code> , <code>`verifyReturn()`</code> , <code>`handleWebhook()`</code> , <code>`assertStripeSignature()`</code>
backend/app/Services/Payment/PaymentGatewayManager.php	PaymentGatewayManager	<code>`__construct()`</code> , <code>`forMethod()`</code> , <code>`forProvider()`</code> , <code>`resolvePayPalGateway()`</code> , <code>`resolveCardGateway()`</code>
backend/app/Services/PlatformFeatureSettingsService.php	PlatformFeatureSettingsService	<code>`syncDefinitions()`</code> , <code>`isEnabled()`</code> , <code>`resolvedMap()`</code> , <code>`listForScope()`</code> , <code>`updateSetting()`</code> , <code>`permissionDefinitions()`</code>
backend/app/Services/PlatformReportService.php	PlatformReportService	<code>`__construct()`</code> , <code>`summary()`</code> , <code>`billingBreakdown()`</code> , <code>`subscriptionSales()`</code> , <code>`accountsOverview()`</code> , <code>`accountDetail()`</code> , <code>`resolveBillingType()`</code>
backend/app/Services/PosDiscountService.php	PosDiscountService	<code>`__construct()`</code> , <code>`computeTotals()`</code> , <code>`scPwdDiscount()`</code> , <code>`percentDiscount()`</code>

File	Class	Functions
backend/app/Services/PosService.php	PosService	<code> `__construct()` `,` `ensureDefaultRegister()` `,` `openSession()` `,` `closeSession()` `,` `sessionReconciliation()` `,` `dashboard()` `,` `searchProducts()` `,` `searchPatients()` `,` `prescriptionCartItems()` `,` `previewTotals()` `,` `saleReceipt()` `,` `openCashDrawer()` `,` `returnSaleItems()` `,` `nextReturnNumber()` `,` `sessionPaymentBreakdown()` `,` `customerOptions()` `,` `catalog()` `,` `listDevices()` `,` `registerDevice()` `,` `connectDevice()` `,` `disconnectDevice()` `,` `syncDevice()` `,` `captureFromDevice()` `,` `completeSale()` `,` `voidSale()` `,` `editSale()` `,` `normalizePayments()` `,` `paymentAttributes()` `,` `summarizePaymentMethod()` `,` `transactionMethodForPayment()` `,` `updateSalePayments()` `,` `saleSnapshot()` `,` `enrichSaleItems()` `,` `nextOrderNumber()` `,` `listHeldSales()` `,` `holdTransaction()` `,` `resumeHeldSale()` `,` `discardHeldSale()` `,` `nextHoldReference()` ` </code>
backend/app/Services/PrescriptionFollowUpSyncService.php	PrescriptionFollowUpSyncService	<code> `__construct()` `,` `reminderDateForFollowUp()` `,` `syncUpcomingFromPrescription()` `,` `syncPrescriptionFromUpcoming()` `,` `applyUpcomingConsultationDates()` `,` `findLinkedUpcomingConsultation()` `,` `datesChanged()` ` </code>
backend/app/Services/RecordAuditor.php	RecordAuditor	<code> `stampForCreate()` `,` `stampForUpdate()` `,` `stamp()` `,` `resolveTable()` ` </code>
backend/app/Services/ReminderSchedulerService.php	ReminderSchedulerService	<code> `__construct()` `,` `dispatchDueReminders()` `,` `isDueInWindow()` `,` `isOverdueButUnsent()` `,` `dispatchScheduleReminder()` `,` `dispatchUpcomingConsultationReminder()` `,` `shouldDispatch()` ` </code>
backend/app/Services/ReportDateRange.php	ReportDateRange	<code> `resolve()` `,` `bucketSeries()` ` </code>
backend/app/Services/ReportLogger.php	ReportLogger	<code> `log()` ` </code>
backend/app/Services/Reports/ClinicReportDocumentBuilder.php	ClinicReportDocumentBuilder	<code> `build()` `,` `periodMeta()` `,` `buildSummary()` `,` `buildRevenue()` `,` `buildAppointments()` `,` `buildPatients()` `,` `buildClinical()` `,` `buildOutstandingInvoices()` `,` `money()` ` </code>
backend/app/Services/Reports/PlatformReportDocumentBuilder.php	PlatformReportDocumentBuilder	<code> `build()` `,` `periodMeta()` `,` `buildSummary()` `,` `buildSubscriptionSales()` `,` `buildAccountsByBilling()` `,` `buildAccounts()` `,` `buildAccountDetail()` `,` `money()` ` </code>
backend/app/Services/Reports/ReportDocument.php	ReportDocument	<code> `__construct()` ` </code>
backend/app/Services/Reports/ReportExportService.php	ReportExportService	<code> `download()` `,` `normalizeFormat()` `,` `buildFilename()` `,` `downloadSpreadsheet()` `,` `downloadPdf()` `,` `downloadDoc()` `,` `renderHtml()` ` </code>
backend/app/Services/ResourceImportExport/ResourceExporter.php	ResourceExporter	<code> `__construct()` `,` `download()` `,` `fetchRecords()` `,` `serviceProductExportQuery()` `,` `fetchConsultationRecords()` `,` `consultationRowValues()` `,` `computeAge()` `,` `rowValues()` `,` `headerLabels()` `,` `streamXlsx()` `,` `streamCsv()` ` </code>
backend/app/Services/ResourceImportExport/ResourceFieldRegistry.php	ResourceFieldRegistry	<code> `supports()` `,` `permissionFor()` `,` `definition()` `,` `fields()` `,` `requiredKeys()` `,` `exportOnly()` ` </code>

File	Class	Functions
backend/app/Services/ResourceImportExport/ResourceImporter.php	ResourceImporter	<code>`__construct()`</code> , <code>`import()`</code> , <code>`buildPayload()`</code> , <code>`castValue()`</code> , <code>`normalizeDateTime()`</code> , <code>`validateRequired()`</code> , <code>`createRecord()`</code> , <code>`createPatient()`</code> , <code>`createStaff()`</code> , <code>`prepareBranchPayload()`</code>
backend/app/Services/ResourceImportExport/SpreadsheetParser.php	SpreadsheetParser	<code>`preview()`</code> , <code>`readMatrix()`</code> , <code>`readCsv()`</code> , <code>`normalizeHeaderRow()`</code> , <code>`alignRow()`</code> , <code>`rowHasContent()`</code> , <code>`stringValue()`</code>
backend/app/Services/ScheduleConflictService.php	ScheduleConflictService	<code>`assertAvailable()`</code> , <code>`isInsideBusinessHours()`</code>
backend/app/Services/ScheduleNotificationService.php	ScheduleNotificationService	<code>`__construct()`</code> , <code>`dispatchForSchedule()`</code> , <code>`sendScheduleReminderEmail()`</code> , <code>`sendScheduleReminderSms()`</code> , <code>`dispatchCustomerPortalAction()`</code> , <code>`sendCustomerActionEmail()`</code> , <code>`sendCustomerActionSms()`</code> , <code>`customerActionMessage()`</code> , <code>`sendEmail()`</code> , <code>`sendSms()`</code> , <code>`recipientEmail()`</code> , <code>`recipientPhone()`</code>
backend/app/Services/ScheduleWidgetPolicyService.php	ScheduleWidgetPolicyService	<code>`settingForSchedule()`</code> , <code>`flagsForSchedule()`</code> , <code>`assertCustomerAction()`</code>
backend/app/Services/ServiceProductListQuery.php	ServiceProductListQuery	<code>`__construct()`</code> , <code>`applyFilters()`</code> , <code>`enrich()`</code> , <code>`requestWantsLowStockOnly()`</code> , <code>`applyLowStockScope()`</code>
backend/app/Services/SubscriptionBillingService.php	SubscriptionBillingService	<code>`__construct()`</code> , <code>`buildQuote()`</code> , <code>`currentSummary()`</code> , <code>`initiateCheckout()`</code> , <code>`completePayment()`</code> , <code>`markPaymentFailed()`</code> , <code>`countBillableStaff()`</code> , <code>`transformSubscription()`</code> , <code>`calculateEndsAt()`</code> , <code>`accountFeaturesRestricted()`</code> , <code>`accountIsExpired()`</code> , <code>`trialHasEnded()`</code> , <code>`subscriptionHasEnded()`</code>
backend/app/Services/SubscriptionPaymentSettingsService.php	SubscriptionPaymentSettingsService	<code>`getSettings()`</code> , <code>`getSettingsForAdmin()`</code> , <code>`envFallbackSummary()`</code> , <code>`updateSettings()`</code> , <code>`forgetCache()`</code> , <code>`isMockAllowed()`</code> , <code>`isStripeConfigured()`</code> , <code>`isPayPalConfigured()`</code> , <code>`stripeSecret()`</code> , <code>`stripeWebhookSecret()`</code> , <code>`stripeEwalletMethods()`</code> , <code>`paypalCredentials()`</code> , <code>`availablePaymentMethods()`</code> , <code>`isMethodAvailable()`</code> , <code>`assertMethodAvailable()`</code> , <code>`credentialsForMethod()`</code> , <code>`primaryGatewayProvider()`</code> , <code>`defaultSettings()`</code> , <code>`normalizeStored()`</code>
backend/app/Services/TestAccountProvisioner.php	TestAccountProvisioner	<code>`__construct()`</code> , <code>`generate()`</code> , <code>`delete()`</code> , <code>`createTestAccount()`</code> , <code>`createStaffMembers()`</code> , <code>`createServiceProducts()`</code> , <code>`assignDoctorsToServices()`</code> , <code>`createCustomers()`</code> , <code>`createPatients()`</code> , <code>`createInvoices()`</code> , <code>`createSchedules()`</code> , <code>`createDiagnoses()`</code> , <code>`createPrescriptions()`</code> , <code>`samplePrescriptionItems()`</code> , <code>`buildPrescriptionMedicinesSummary()`</code> , <code>`purgeAccount()`</code>
backend/app/Services/UpcomingConsultationNotificationService.php	UpcomingConsultationNotificationService	<code>`__construct()`</code> , <code>`sendReminderEmail()`</code> , <code>`sendReminderSms()`</code> , <code>`resolveReminderTemplate()`</code>
backend/app/Services/UpcomingConsultationService.php	UpcomingConsultationService	<code>`syncStatuses()`</code> , <code>`resolveLatestDiagnosisId()`</code> , <code>`assertDiagnosisBelongsToPatient()`</code> , <code>`wasRendered()`</code>

File	Class	Functions
backend/app/Services/UserPermissions.php	UserPermissions	`for()`, `platformPermissions()`, `permissionsFromAssignedRoles()`
backend/app/Services/WidgetShareUrlService.php	WidgetShareUrlService	`generate()`, `embedHtml()`

Support, Providers, and Other Backend Classes

File	Class	Functions
backend/app/Casts/EnumSlugCast.php	EnumSlugCast	`__construct()`, `get()`, `set()`
backend/app/Concerns/HasAuditUsers.php	HasAuditUsers	`createdByUser()`, `updatedByUser()`
backend/app/Console/Commands/CaptureDocumentationScreenshots.php	CaptureDocumentationScreenshots	`__construct()`, `handle()`, `migrateLegacyBlocks()`, `captureScreenshots()`, `disableCaptchaForCapture()`, `embedScreenshots()`, `attachScreenshot()`, `findBlockIndexForScreenshot()`
backend/app/Console/Commands/DispatchRemindersCommand.php	DispatchRemindersCommand	`handle()`
backend/app/Console/Commands/GenerateAskDrAiKnowledgeBase.php	GenerateAskDrAiKnowledgeBase	`handle()`
backend/app/Console/Commands/ManageTestAccountsCommand.php	ManageTestAccountsCommand	`handle()`, `handleGenerate()`, `handleDelete()`, `invalidAction()`
backend/app/Console/Commands/MarkClinicInstalledCommand.php	MarkClinicInstalledCommand	`handle()`
backend/app/Console/Commands/ResetClinicInstallationCommand.php	ResetClinicInstallationCommand	`handle()`
backend/app/Console/Commands/RunSystemBackupCommand.php	RunSystemBackupCommand	`handle()`
backend/app/Console/Commands/SyncAskDrAiClinVarCatalog.php	SyncAskDrAiClinVarCatalog	`handle()`
backend/app/Contracts/PaymentGatewayInterface.php	PaymentGatewayInterface	`provider()`, `supportsMethod()`, `createCheckout()`, `verifyReturn()`, `handleWebhook()`
backend/app/Http/Controllers/Controller.php	Controller	-
backend/app/Http/Middleware/EnsureAccountFeatureAccess.php	EnsureAccountFeatureAccess	`__construct()`, `handle()`
backend/app/Http/Middleware/EnsureAccountOwner.php	EnsureAccountOwner	`handle()`
backend/app/Http/Middleware/EnsureActiveSubscription.php	EnsureActiveSubscription	`__construct()`, `handle()`, `allowsRestrictedAccess()`
backend/app/Http/Middleware/EnsureNotInstalled.php	EnsureNotInstalled	`__construct()`, `handle()`
backend/app/Http/Middleware/OptionalSanctumAuth.php	OptionalSanctumAuth	`handle()`
backend/app/Providers/AppServiceProvider.php	AppServiceProvider	`register()`, `boot()`
backend/app/Support/BlogPostImageCatalog.php	BlogPostImageCatalog	`focusScreenshotSlugs()`, `imagesForPost()`, `availableVariants()`, `blockVariantSet()`, `screenshotUrl()`, `screenshotExists()`, `fallbackUrl()`
backend/app/Support/ClinicCodeGenerator.php	ClinicCodeGenerator	`forAccount()`, `forBranch()`, `forCustomer()`, `forSku()`, `forBarcode()`, `forSlug()`, `slugModelForResource()`, `uniqueAccountCode()`, `uniqueBranchCode()`, `uniqueCustomerCode()`, `skuPrefixFromSeed()`, `uniqueRandomServiceProductCode()`, `randomAlphanumeric()`

File	Class	Functions
backend/app/Support/DocumentationScreenshotCatalog.php	DocumentationScreenshotCatalog	<code>`url()`, `block()`, `exists()``</code>
backend/app/Support/EnumColumnMigrator.php	EnumColumnMigrator	<code>`idColumnFor()`, `migrateToEnumOption()`, `migrateUserRoleToForeignKey()`, `backfillMissingIds()`, `sanitizeForeignKeyRefs()`, `ensureForeignKey()``</code>
backend/app/Support/EnumTypeRegistry.php	EnumTypeRegistry	<code>`definitionTypes()`, `typeLabel()`, `typeUsage()`, `typeLabels()`, `sections()`, `sectionForType()`, `groupedSections()`, `meta()``</code>
backend/app/Support/EnvFileWriter.php	EnvFileWriter	<code>`__construct()`, `forBackend()`, `forFrontend()`, `forMobileApp()`, `set()`, `formatValue()``</code>
backend/app/Support/FeatureRouteMap.php	FeatureRouteMap	<code>`featureForPath()`, `resourceImportFeature()``</code>
backend/app/Support/LoginPortal.php	LoginPortal	<code>`fromRequest()`, `fromUser()`, `isSuperadmin()``</code>
backend/app/Support/PlatformAccess.php	PlatformAccess	<code>`canViewPlatformReports()`, `abortUnlessPlatformReports()``</code>
backend/app/Support/SupportAccess.php	SupportAccess	<code>`isPlatformStaff()`, `canAccessPlatformPanel()`, `canManageTickets()`, `scopedTicketsQuery()`, `canViewTicket()`, `assignableUsersQuery()``</code>

Generic Resource Map

API Resource	Model/Class	Behavior
branches	ClinicBranch	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
customers	Customer	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
patients	Patient	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
staff	StaffProfile	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
services	ServiceProduct	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
priority-patients	DailyPriorityPatient	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
diagnoses	Diagnosis	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
prescriptions	Prescription	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
invoices	Invoice	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
transactions	Transaction	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.

API Resource	Model/Class	Behavior
widget-settings	WidgetSetting	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
advertisements	Advertisement	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
documentation-pages	DocumentationPage	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
blog-posts	BlogPost	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.
faq-pages	FaqPage	Handled by GenericResourceController with account/customer scope, search, trash handling, auditing, and specialized save logic when needed.

Import and Export Resources

Resource	Permission	Mode
branches	settings	import/export
customers	customers	import/export
patients	patients	import/export
staff	staff	import/export
services	services	import/export
diagnoses	diagnoses	import/export
prescriptions	prescriptions	import/export
schedules	calendar	import/export
consultations	consultations	export only

Frontend Classes and Functions

The web frontend is a Vue 3 SPA initialized in `frontend/src/main.js`. Its router handles setup completion, auth redirects, guest-only pages, subscription restrictions, account features, platform features, permissions, public-shell styling, and page title synchronization.

Path	Component
/setup	SetupWizardPage
/	HomePage
/login	LoginPage
/register	RegisterPage
/verify	VerifyPage
/customer/onboard	CustomerOnboardPage
/forgot-password	ForgotPasswordPage
/reset-password	ResetPasswordPage
/contact	ContactPage
/terms	LegalPublicPage
/privacy	LegalPublicPage
/about	LegalPublicPage
/partners	PartnersPublicPage
/dashboard	DashboardPage

Path	Component
/calendar	CalendarPage
/mass-messages	() => import('./pages/MassMessagesPage.vue')
/customer/booking	CustomerBookingPage
/consultations	ConsultationsPage
/profile	ProfilePage
/settings	SettingsPage
/account-locked	AccountLockedPage
/pos	PosRegisterPage
/inventory	InventoryPage
/reports	ReportsPage
/ask-dr-ai	AskDrAiPage
/patients/:id	PatientViewPage
/resources/:resource	ResourcePage
/superadmin/accounts	SuperadminAccountsPage
/superadmin/reports	SuperadminReportsPage
/superadmin/roles	SuperadminRolesPage
/superadmin/enum-options	SuperadminEnumOptionsPage
/superadmin/feature-settings	SuperadminFeatureSettingsPage
/superadmin/subscription-payment-settings	SuperadminSubscriptionPaymentSettingsPage
/superadmin/captcha-settings	SuperadminCaptchaSettingsPage
/superadmin/branding-settings	SuperadminBrandingSettingsPage
/superadmin/contact-settings	SuperadminContactSettingsPage
/superadmin/legal-pages	SuperadminLegalPagesSettingsPage
/superadmin/partners	SuperadminPartnersAdminPage
/superadmin/backups	SuperadminBackupRestorePage
/superadmin/users	SuperadminUsersPage
/superadmin/guides	FaqPagesAdminPage
/superadmin/guides/new	FaqPageEditorPage
/superadmin/guides/:id/edit	FaqPageEditorPage
/superadmin/guides/:id/preview	GuidePreviewPage
/superadmin/blog	BlogAdminPage
/superadmin/blog/new	BlogEditorPage
/superadmin/blog/:id/edit	BlogEditorPage
/superadmin/blog/:id/preview	BlogPreviewPage
/superadmin/faq	FaqCmsAdminPage
/superadmin/faq/new	FaqCmsEditorPage
/superadmin/faq/:id/edit	FaqCmsEditorPage
/superadmin/faq/:id/preview	FaqCmsPreviewPage
/help-support	HelpSupportPage
/superadmin/help	SuperadminHelpSupportPage
/guide	FaqEntryPage
/guide/pages/:slug	FaqViewPage
/blog	BlogPublicIndexPage
/blog/:slug	BlogPublicViewPage

Path	Component
/faq	FaqPublicIndexPage
/faq/pages/:slug	FaqPublicViewPage

Frontend Function Inventory

- frontend/src/App.vue: logout()
- frontend/src/booking/bookingApi.js: isCustomerPortalBooking(), bookingResourcePath()
- frontend/src/components/askDrAi/DocumentDisplayPanel.vue: flagClass()
- frontend/src/components/askDrAi/MatchedAnswerCard.vue: fitPercentage(), displayText()
- frontend/src/components/auth/CaptchaField.vue: isRequestAborted(), isLocallyComplete(), emitState(), applyDisabledState(), syncLocalPayload(), syncRecaptchaPayload(), selectOption(), resetRecaptchaWidget(), fetchAppConfig(), loadRecaptchaScript(), renderRecaptcha(), applyLocalChallenge(), applyChallengeResponse(), fetchChallenge(), loadChallenge(), refresh(), validateForSubmit(), applyValidationErrors(), finish()
- frontend/src/components/billing/AdminLteInvoiceView.vue: formatMoney(), formatCell()
- frontend/src/components/billing/NumberFormatBuilder.vue: emitSegments(), updateSegment(), removeSegment(), addTextSegment(), addSequence()
- frontend/src/components/booking/BookingWizard.vue: stepState()
- frontend/src/components/calendar/CustomScheduleManageModal.vue: formatDateTime(), loadSchedule(), startReschedule(), loadSlots(), submitReschedule(), cancelAppointment()
- frontend/src/components/calendar/ToastScheduleCalendar.vue: formatPeriodLabel(), shortDate(), startOfWeek(), toEventDateTime(), toLocalParts(), addMinutesToTime(), snapTimeToHalfHour(), handleSelectDateTime(), scheduleToEvent(), syncEvents(), syncAnchorDate(), goPrev(), goNext(), goToday(), changeView(), initCalendar(), total()
- frontend/src/components/content/ContentBlockComposer.vue: uploadScreenshot()
- frontend/src/components/dashboard/DashboardActivityPanel.vue: loadActivity()
- frontend/src/components/dashboard/DashboardAnalyticsPanel.vue: formatCurrency()
- frontend/src/components/dashboard/DashboardHealthNewsPanel.vue: loadHealthNews(), hasNews(), formatNewsMeta()
- frontend/src/components/dashboard/DashboardIncomingAppointmentsPanel.vue: loadAppointments(), formatDateTime()
- frontend/src/components/dashboard/DashboardMapPanel.vue: loadMap(), renderMap()
- frontend/src/components/dashboard/DashboardRecentAccountsPanel.vue: loadAccounts(), formatDate()
- frontend/src/components/dashboard/DashboardRecentAppointmentsPanel.vue: loadAppointments(), formatDateTime()
- frontend/src/components/dashboard/DashboardRecentInvoicesPanel.vue: loadInvoices(), formatDate(), formatMoney()
- frontend/src/components/dashboard/DashboardSalesGrowthPanel.vue: loadSalesGrowth(), formatCurrency(), salesBarWidth()
- frontend/src/components/dashboard/DashboardStatCards.vue: iconFor(), formatValue()
- frontend/src/components/dashboard/DashboardWeatherPanel.vue: weatherIconClass(), weatherTone(), formatTemperature()
- frontend/src/components/dashboard/LazyPanel.vue: load(), observe()
- frontend/src/components/diagnosis/DiagnosisForm.vue: fieldsForTab()
- frontend/src/components/faq/FaqBlockRenderer.vue: markImageError()
- frontend/src/components/import-export/ResourceExportModal.vue: selectAll(), clearAll(), runExport()
- frontend/src/components/import-export/ResourceImportModal.vue: onFileChange(), previewFile(), runImport(), buildMappingPayload()
- frontend/src/components/invoices/InvoicePayModal.vue: emitClose(), formatMoney(), submitPayment()
- frontend/src/components/mass-messages/MassMessageSendSection.vue: isSelected(), toggleRecipient(), selectAllRecipients(), clearRecipients(), recipientContact(), formatDate(), loadRecipients(), loadRecentCampaigns(), onChannelChange(), openConfirm(), sendMessage()
- frontend/src/components/medical-certificate/MedicalCertificateModal.vue: onFieldChange(), loadContext(), handlePrint(), handleDownload()
- frontend/src/components/notifications/EmailBackgroundField.vue: emitValue()
- frontend/src/components/notifications/EmailNotificationDesignSection.vue: normalizeDesignValue(), applyDesign(), loadDesign(), saveDesign(), triggerLogoUpload(), triggerHeroUpload(), uploadImage(), uploadLogo(), uploadHeroIcon()
- frontend/src/components/patients/PatientForm.vue: formatSicknessLabel(), blankTreatment(), addTreatmentRow(), removeTreatmentRow(), loadSicknesses()
- frontend/src/components/pos/PosDiscountPanel.vue: selectType(), onDiscountValueInput(), onScPwdIdInput()
- frontend/src/components/pos/PosHeldSalesModal.vue: formatMoney(), formatHeldTime()
- frontend/src/components/pos/PosPatientLookup.vue: search(), select(), clear()
- frontend/src/components/pos/PosPaymentLines.vue: isElectronic()
- frontend/src/components/pos/PosPrescriptionModal.vue: load()
- frontend/src/components/pos/PosReceiptModal.vue: printReceipt()
- frontend/src/components/pos/PosReconciliationModal.vue: formatMoney(), closeSession()

- frontend/src/components/pos/PosReturnModal.vue: submit()
- frontend/src/components/pos/PosSessionDashboard.vue: formatMoney()
- frontend/src/components/prescription/PrescriptionForm.vue: fieldsForTab()
- frontend/src/components/services/ServicesListingToolbar.vue: applyFilters(), clearFilters()
- frontend/src/components/settings/BillingNumberSettingsSection.vue: loadSettings(), resetToDefaults(), saveSettings(), updateInvoicePreview(), updateReceiptPreview(), schedulePreview()
- frontend/src/components/settings/DiagnosisDesignSection.vue: loadDesign(), saveDesign()
- frontend/src/components/settings/MedicalCertificateDesignSection.vue: resetTemplate(), loadDesign(), saveDesign()
- frontend/src/components/settings/PaymentGatewaySettingsSection.vue: loadSettings(), saveSettings()
- frontend/src/components/settings/PrescriptionDesignSection.vue: loadDesign(), saveDesign()
- frontend/src/components/settings/SubscriptionSection.vue: refreshAuthSession(), readStoredBillingPeriod(), persistBillingPeriod(), syncBillingPeriodFromSummary(), loadSummary(), startPayment(), handleReturnPayment(), formatMoney(), formatDate()
- frontend/src/components/superadmin/SubscriptionPaymentGatewaySection.vue: formatUpdatedAt(), applySettings(), loadSettings(), saveSettings()
- frontend/src/components/support/SupportTicketAttachmentsField.vue: createKey(), syncFromModel(), emitValue(), openFilePicker(), onFilesSelected(), addLinkRow(), removeLinkRow(), removeUploadItem()
- frontend/src/components/support/SupportTicketManager.vue: loadAssignableUsers(), openForm(), closeForm(), saveTicket(), confirmDelete(), confirmRestore(), confirmForceDelete(), performConfirm()
- frontend/src/components/support/SupportTicketPanel.vue: loadTickets(), loadAssignableUsers(), toggleExpanded(), loadThread(), submitReply(), ticketActions(), toggleTrash(), openForm(), formatDate(), body(), latestMessage()
- frontend/src/components/ui/AttachmentUpload.vue: openFilePicker(), onDragLeave(), onDrop(), onFileInput(), handleFiles(), removeFile()
- frontend/src/components/ui/BaseModal.vue: handleClose()
- frontend/src/components/ui/DataTable.vue: rowActions(), handleRowAction(), isRichTextColumn(), displayValue(), formatTimeRange(), formatBadge(), badgeClass()
- frontend/src/components/ui/DatePickerField.vue: onInput(), openPicker()
- frontend/src/components/ui/FormField.vue: copyReadOnlyValue(), generateCode(), updatePhotoFilename(), parseDate(), dayHours(), isOpen(), toggleDay(), updateDay(), emitUpdate(), isSwitchEnabled(), toggleSwitch(), loadLocationApi(), refreshStates(), refreshCities(), displayTime()
- frontend/src/components/ui/ImageUrlField.vue: openFilePicker(), onFileChange()
- frontend/src/components/ui/ListingSearchBar.vue: emitSearch(), emitClear()
- frontend/src/components/ui/PhotoUpload.vue: applyUploadedFile(), onFileSelected(), openNativeCameraCapture(), openCamera(), closeCamera(), capturePhoto(), clearPhoto()
- frontend/src/components/ui/PrescriptionMedicationField.vue: emitUpdate(), addRow(), removeRow()
- frontend/src/components/ui/RichTextEditor.vue: onImageSelected(), insertText(), setEditorHtml()
- frontend/src/components/ui/TabbedFormShell.vue: fieldsForTab()
- frontend/src/components/ui/TableActionsDropdown.vue: destroyPopper(), positionMenu(), scheduleMenuPosition(), toggleMenu(), closeMenu(), handleSelect(), onDocumentClick(), onDocumentKeydown(), onViewportChange()
- frontend/src/components/ui/TagListField.vue: addTag(), removeTag()
- frontend/src/components/ui/VitalSignsField.vue: emitUpdate()
- frontend/src/composables/useContentBlocks.js: createContentBlock(), normalizeBlocksFromApi(), useContentBlocks(), createBlockId(), setBlocks(), addBlock(), removeBlock(), duplicateBlock(), moveBlock(), ensureAtLeastOneBlock()
- frontend/src/composables/useLiveClock.js: formatLiveDateTime(), useLiveClock()
- frontend/src/composables/useResourceCrud.js: useResourceCrud(), load(), save(), remove(), restore(), forceRemove(), changePage(), toggleTrashView(), reset()
- frontend/src/composables/useSelectOptions.js: useSelectOptions(), sourceKey(), loadSources(), loadSource(), getOptions()
- frontend/src/composables/useSubscriptionRestriction.js: useSubscriptionRestriction(), runIfAllowed()
- frontend/src/config/billingNumberDefaults.js: defaultInvoiceSegments(), defaultReceiptSegments(), billingSegmentTypes()
- frontend/src/config/defaultDocumentDesign.js: defaultDiagnosisDesign(), defaultMedicalCertificateDesign(), defaultPrescriptionDesign(), documentFontOptions(), documentFontStyleOptions()
- frontend/src/config/defaultEmailNotificationDesign.js: defaultEmailNotificationDesign(), emailDesignPreviewSample(), emailDesignPreviewVariables(), emailDesignFontOptions()
- frontend/src/config/defaultMedicalCertificateTemplate.js: defaultMedicalCertificateTemplate(), medicalCertificateVariables()
- frontend/src/config/defaultNotificationTemplates.js: defaultNotificationTemplates()
- frontend/src/config/diagnosisFormConfig.js: createDiagnosisFormDefaults(), diagnosisFormFieldDefinitions(), diagnosisFieldsForTab(), normalizeVitalSigns(), normalizeSecondaryDiagnoses(), diagnosisToForm(), formToDiagnosisPayload(), emptyVitalSigns(), diagnosisFormTabs()
- frontend/src/config/formTabsConfig.js: resolveFormTabs(), fieldsForTab(), FORM_TAB_THRESHOLD(), FORM_TAB_FIELD_LIMIT(), resourceFormTabs()

- frontend/src/config/notificationTemplateVariables.js: buildNotificationSlug(), minutesToReminderDisplay(), reminderDisplayToMinutes(), formatTemplateType(), formatRecipientType(), formatTargetFeature(), formatActionType(), formatScheduleType(), findMatchingDefaultTemplate(), defaultTemplateGroupLabel(), groupDefaultTemplates(), suggestedRecipientType(), notificationTemplateVariableGroups()
- frontend/src/config/platformPageConfigs.js: guidePageConfig(), blogPageConfig(), faqPageConfig(), platformPageConfigs()
- frontend/src/config/prescriptionFormConfig.js: createPrescriptionFormDefaults(), prescriptionFormFieldDefinitions(), prescriptionFieldsForTab(), normalizeMedicationItems(), prescriptionToForm(), formToPrescriptionPayload(), emptyMedicationItem(), prescriptionFormTabs()
- frontend/src/config/resourceConfigs.js: photoField(), signatureField(), productImageField(), personFields(), addressFields(), resourceConfigs()
- frontend/src/config/resourceImportExport.js: supportsImportExport(), importExportResources()
- frontend/src/config/supportTicketConfig.js: labelForImportance(), labelForReportType(), labelForStatus(), importanceBadgeClass(), reportTypeBadgeClass(), canAccessPlatformHelp(), supportReportTypeOptions(), supportImportanceOptions(), supportStatusOptions(), supportFeatureOptions(), platformSupportRoles()
- frontend/src/layouts/AdminLayout.vue: navIcon(), isNavActive(), isHelpNavItem(), loadSupportUnreadCount(), syncSidebarState(), enforceFeatureAccess()
- frontend/src/layouts/PublicSiteLayout.vue: toggleAccountMenu(), closeAccountMenu(), handleLogout(), handleDocumentClick(), refreshTheme()
- frontend/src/main.js: registerSubscriptionRequiredHandler(), bootstrap()
- frontend/src/pages/AskDrAiPage.vue: toggleSymptomInput(), appendSymptom(), removeSymptom(), fitPercentage(), answerDedupeKey(), isLowValuePlaceholder(), dedupeAnswers(), submitQuestion(), resetForm()
- frontend/src/pages/BookingWidgetPage.vue: blankPerson(), blankPatient(), goToStep(), handleBack(), handleNext(), selectService(), selectDoctor(), selectExistingPatient(), formatSlot(), loadConfig(), loadSlots(), confirmBooking()
- frontend/src/pages/CalendarPage.vue: loadNotificationDefaults(), load(), save(), handleSelectSchedule(), closeManageModal(), handleScheduleChanged(), cancelSchedule(), defaultReminderAt(), defaultSlotTimes(), addMinutesWithinRange(), openEditor(), closeEditor(), setScheduleType(), appointmentTitle(), schedulePayload(), buildTimeOptions(), withSelectedTimes(), businessHourRange(), normalizeTime(), minutesFromTime(), timeFromMinutes(), displayTime(), totalMinutes()
- frontend/src/pages/ConsultationsPage.vue: patientName(), computedAge(), rowClass(), statusLabel(), statusBadgeClass(), consultationActions(), viewPatient(), loadPatients(), loadConsultations(), downloadQueue(), printQueue(), shiftSelectedDate(), goToToday(), openForm(), closeForm(), openPatientForm(), closePatientForm(), openQueueLimitModal(), closeQueueLimitModal(), parseLimitInput(), saveQueueLimits(), updatePatientFormField(), savePatient(), selectPatient(), saveRecord(), generateInvoice(), generateInvoiceFromModal(), markServed(), markCancelled(), markServedFromModal(), markCancelledFromModal(), handleDocumentClick()
- frontend/src/pages/ContactPage.vue: loadContact(), submitForm()
- frontend/src/pages/content/PlatformPageAdminList.vue: loadPages(), toggleTrash(), updateStatus(), pageActions(), confirmDelete(), forceDeleteRecord(), restoreRecord(), performConfirm()
- frontend/src/pages/content/PlatformPageEditor.vue: generateSlug(), openPreview(), loadPage(), savePage()
- frontend/src/pages/content/PlatformPreviewPage.vue: loadPage()
- frontend/src/pages/content/PlatformPublicIndexPage.vue: loadPages()
- frontend/src/pages/content/PlatformPublicViewPage.vue: loadPage()
- frontend/src/pages/CustomerBookingPage.vue: onClinicChange(), load(), branches()
- frontend/src/pages/CustomerOnboardPage.vue: submitCode()
- frontend/src/pages/CustomerReportsPage.vue: loadReport(), formatMoney()
- frontend/src/pages/DashboardPage.vue: loadSummary(), loadAnalytics(), loadWeather()
- frontend/src/pages/DiagnosisResourcePage.vue: load(), loadDiagnoses(), reloadDiagnoses(), diagnosesByPatient(), togglePatient(), removePatient(), diagnosisActions(), openForm(), closeForm(), saveDiagnosis(), openDelete(), deleteDiagnosis(), updateDiagnosisService(), generateInvoice(), canGenerateInvoice(), generateInvoiceTitle(), patientName(), computedAge(), formatDateTime(), creatorName(), serviceLabel(), doctorNameForDiagnosis(), ensureDiagnosisDesign(), printDiagnosis(), downloadDiagnosisPdf(), printableHtml(), handleDocumentClick()
- frontend/src/pages/faq/FaqIndexPage.vue: loadPages()
- frontend/src/pages/faq/FaqLandingPage.vue: loadPages()
- frontend/src/pages/faq/FaqViewPage.vue: resolveCategory(), formatDate(), loadPage()
- frontend/src/pages/ForgotPasswordPage.vue: submit()
- frontend/src/pages/HomePage.vue: loadPartners()
- frontend/src/pages/LegalPublicPage.vue: loadPage()
- frontend/src/pages/LoginPage.vue: login()
- frontend/src/pages/NotificationSettingsPage.vue: applyDefaultTemplateByKey(), applyDefaultTemplate(), applyMatchingDefault(), syncDefaultTemplateSelection(), loadDefaultTemplates(), formatDate(), applySettings(), loadSettings(), loadTemplates(), searchTemplates(), clearTemplateSearch(), loadPage(), saveSettings(), resetTemplateForm(), templateActions(), openTemplateForm(), closeTemplateForm(), buildTemplatePayload(), saveTemplate(), openDeleteConfirm(), deleteTemplate(), insertVariable()

- frontend/src/pages/PartnersPublicPage.vue: loadPartners()
- frontend/src/pages/PatientViewPage.vue: serviceLabel(), openPatientForm(), closePatientForm(), savePatient(), load(), upcomingActions(), clinicalActions(), openClinicalForm(), closeClinicalForm(), saveClinicalRecord(), serializeClinicalPayload(), updateDiagnosisService(), generateInvoice(), canGenerateInvoice(), generateInvoiceTitle(), openDelete(), deleteClinicalRecord(), openUpcomingForm(), closeUpcomingForm(), saveUpcomingConsultation(), openUpcomingDelete(), deleteUpcomingConsultation(), formatNextConsultationDate(), formatConsultationDate(), upcomingStatusLabel(), upcomingStatusClass(), upcomingActorName(), diagnosisOptionLabel(), diagnosisLabel(), recordText(), normalizedAttachments(), creatorName(), formatDate(), computedAge(), doctorNameForDiagnosis(), ensureDiagnosisDesign(), ensurePrescriptionDesign(), printRecord(), downloadPdf(), printableHtml()
- frontend/src/pages/PaymentResourcePage.vue: emptyReceiptLineItem(), receiptLineItems(), receiptLineTotal(), emptyLineItem(), loadOptions(), openPayModal(), closePayModal(), handleInvoicePaid(), handlePaymentReturn(), loadActiveTab(), loadInvoices(), loadReceipts(), toggleInvoiceTrashView(), toggleReceiptTrashView(), canPayInvoice(), invoiceEditTitle(), invoiceActions(), canEditInvoice(), receiptActions(), setSort(), sortIndicator(), changePage(), openInvoiceForm(), regenerateInvoiceNumber(), regenerateReceiptNumber(), closeInvoiceForm(), addLineItem(), removeLineItem(), selectServiceProduct(), lineTotal(), updateLineTotal(), saveInvoice(), openInvoiceView(), openReceiptView(), openReceiptForm(), addReceiptLineItem(), removeReceiptLineItem(), selectReceiptServiceProduct(), closeReceiptForm(), saveReceipt(), openDelete(), confirmDelete(), restoreInvoice(), restoreReceipt(), openForceDelete(), closeForceDelete(), confirmForceDelete(), customerName(), userName(), formatMoney(), formatDate(), statusBadgeClass(), printReceipt(), printInvoice(), downloadReceiptPdf()
- frontend/src/pages/pos/InventoryPage.vue: loadItems(), adjustStock(), promptAdjust()
- frontend/src/pages/pos/PosRegisterPage.vue: createPaymentLine(), formatMoney(), setSaleCustomerType(), resetPaymentsForTotal(), addPaymentLine(), removePaymentLine(), loadState(), loadDashboard(), onBarcodeSearch(), openCashDrawer(), openReconciliation(), onSessionClosed(), onPrescriptionLoaded(), openReceipt(), openReturnSale(), onReturnProcessed(), saleStateHelpers(), refreshHeldSales(), openHeldSalesModal(), putSaleOnHold(), resumeHeldSale(), discardHeldSale(), openSession(), registerQuickDevice(), connectSelectedDevice(), disconnectDevice(), capturePaymentLine(), addToCart(), changeQty(), removeLine(), clearCart(), completeSale(), openSalesHistory(), openVoidSale(), openEditSale(), closeReasonModal(), submitReasonModal(), nextQty()
- frontend/src/pages/PrescriptionResourcePage.vue: loadDiagnosesForPatients(), diagnosisOptions(), diagnosisOptionLabel(), diagnosisLabel(), load(), reloadPrescriptions(), loadPrescriptions(), prescriptionsByPatient(), togglePatient(), removePatient(), prescriptionActions(), openForm(), closeForm(), savePrescription(), openDelete(), deletePrescription(), patientName(), computedAge(), formatDate(), creatorName(), prescriptionSummary(), ensurePrescriptionDesign(), printPrescription(), downloadPrescriptionPdf(), printableHtml(), handleDocumentClick()
- frontend/src/pages/ProfilePage.vue: defaultStaffValue(), normalizeBusinessHours(), normalizeSwitchList(), populateStaffForm(), applyProfile(), updateStaffField(), buildStaffPayload(), loadProfile(), saveUserInfo(), savePassword(), saveStaffInfo()
- frontend/src/pages/RegisterPage.vue: register()
- frontend/src/pages/ReportsPage.vue: exportParams(), downloadReport(), queryParams(), formatMoney(), setPeriod(), applyCustomRange(), setRevenueGranularity(), loadSummary(), loadRevenue(), loadAppointments(), loadPatients(), loadClinical(), loadOutstanding(), loadActiveTab(), loadAll()
- frontend/src/pages/ResetPasswordPage.vue: submit()
- frontend/src/pages/ResourcePage.vue: loadCurrent(), syncServiceFilters(), applyServiceFilters(), toggleTrashView(), saveRecord(), confirmChange(), sendLoginAccess(), viewPatient(), openMedicalCertificate(), openForm(), closeForm(), openConfirm(), closeConfirm(), changePage(), updateFormField(), serializeForm(), shouldSerializeEmptyField(), normalizeMedicalTreatments(), defaultValue(), normalizeSwitchList(), parseJsonObject(), normalizeBusinessHours(), normalizeTime(), formatDateLocal(), normalizePatientSicknessIds(), normalizePatientFamilySicknessIds(), serviceRowClass(), blank()
- frontend/src/pages/SettingsPage.vue: setActiveTab()
- frontend/src/pages/setup/SetupWizardPage.vue: loadRequirements(), testDatabase(), loadNetworkHints(), applyIntranetUrls(), prevStep(), nextStep(), buildPayload(), runInstall()
- frontend/src/pages/superadmin/AccountsPage.vue: loadAccounts(), saveAccount(), viewLogs(), changePage(), applySearch(), clearSearch(), formatDate()
- frontend/src/pages/superadmin/BackupRestorePage.vue: formatDate(), formatSize(), statusClass(), loadBackups(), loadSchedule(), createBackup(), saveSchedule(), downloadBackup(), confirmRestore(), confirmDelete(), performConfirm()
- frontend/src/pages/superadmin/BrandingSettingsPage.vue: formatUpdatedAt(), applyForm(), loadSettings(), saveSettings()
- frontend/src/pages/superadmin/CaptchaSettingsPage.vue: formatUpdatedAt(), loadSettings(), applySettings(), saveSettings()
- frontend/src/pages/superadmin/ContactSettingsPage.vue: loadSettings(), saveSettings()
- frontend/src/pages/superadmin/EnumOptionsPage.vue: loadOptions(), formatTrashedAt(), optionActions(), openForm(), closeForm(), saveOption(), confirmDelete(), confirmRestore(), confirmForceDelete(), performConfirm(), toggleTrash(), clearSearch(), findGroup(), updateGroupOptions(), rowClasses(), onDragStart(), onDragEnd(), onDragOver(), onDragLeave(), onDrop(), persistOrder()
- frontend/src/pages/superadmin/FeatureSettingsPage.vue: formatUpdatedAt(), switchTab(), applyRouteTab(), loadAccounts(), loadClinicFeatures(), loadPlatformFeatures(), refreshSessionPlatformFeatures(), saveFeature(), applySearch(), clearSearch()

- frontend/src/pages/superadmin/HelpSupportPage.vue: notifyChanged()
- frontend/src/pages/superadmin/LegalPagesSettingsPage.vue: selectTab(), applyLoadedPages(), buildPayload(), validatePages(), loadSettings(), saveSettings()
- frontend/src/pages/superadmin/PartnersAdminPage.vue: resetForm(), loadPartners(), savePageSettings(), openCreate(), openEdit(), closeEditor(), savePartner(), toggleVisibility(), trashPartner(), restorePartner(), deletePartner()
- frontend/src/pages/superadmin/ReportsPage.vue: queryParams(), exportParams(), downloadReport(), formatMoney(), formatBillingLabel(), billingBadgeClass(), setPeriod(), applyCustomRange(), setGranularity(), selectAccount(), loadSummary(), loadSales(), loadBilling(), loadAccounts(), loadAccountDetail(), loadActiveTab(), loadAll()
- frontend/src/pages/superadmin/RolesPage.vue: loadRoles(), roleActions(), loadPlatformFeatureOptions(), openForm(), closeForm(), saveRole(), removeRole(), applySearch(), clearSearch()
- frontend/src/pages/superadmin/UsersPage.vue: loadUsers(), loadAllRoles(), loadAccounts(), userActions(), openForm(), closeForm(), saveUser(), confirmDelete(), confirmRestore(), confirmForceDelete(), performConfirm(), toggleTrash(), changePage(), applySearch(), clearSearch()
- frontend/src/pages/VerifyPage.vue: verify()
- frontend/src/services/askDrAi.js: normalizeText(), sourceLabel(), isLowValuePlaceholder(), filterLowValueAnswers(), preservedSymptomPhrases(), buildFallbackAnswers(), askDrAi(), longSymptoms(), fileHints()
- frontend/src/services/billingNumberSettings.js: fetchBillingNumberSettings(), saveBillingNumberSettings(), previewBillingNumber(), fetchNextBillingNumber()
- frontend/src/services/codeGeneration.js: autoGenerateSeedFields(), buildAutoGenerateSeed(), fetchGeneratedCode()
- frontend/src/services/consultations.js: downloadConsultationQueue()
- frontend/src/services/documentDesign.js: fetchDocumentDesign(), saveDocumentDesign()
- frontend/src/services/paymentGatewaySettings.js: fetchPaymentGatewaySettings(), savePaymentGatewaySettings(), fetchInvoicePaymentMethods(), payInvoice(), confirmInvoicePayment()
- frontend/src/services/publicApi.js: unwrapPublicList(), formatPublicApiError()
- frontend/src/services/reports.js: fetchClinicReportSummary(), fetchClinicRevenueReport(), fetchClinicAppointmentsReport(), fetchClinicPatientsReport(), fetchClinicClinicalReport(), fetchClinicOutstandingInvoices(), fetchPlatformReportSummary(), fetchPlatformSubscriptionSales(), fetchPlatformAccountsByBilling(), fetchPlatformAccounts(), fetchPlatformAccountDetail(), downloadClinicReport(), downloadPlatformReport()
- frontend/src/services/resourceImportExport.js: fetchImportExportFields(), previewResourceImport(), importResourceData(), exportResourceData()
- frontend/src/services/subscription.js: fetchSubscriptionSummary(), fetchSubscriptionQuote(), startSubscriptionCheckout(), confirmSubscriptionPayment()
- frontend/src/services/uploads.js: uploadFiles(), uploadPhoto()
- frontend/src/utills/apiBaseUrl.js: resolveApiBaseUrl(), configured()
- frontend/src/utills/appBranding.js: getAppTitle(), getAppInitials(), getLogoUrl(), getLogoIconUrl(), applyBrandingToDocument(), setAppBranding(), setContactInfo(), useAppBranding(), setPartnersPageSettings(), usePartnersPageSettings(), useContactInfo(), loadAppBranding()
- frontend/src/utills/attachments.js: normalizeAttachmentUrls(), attachmentFileName()
- frontend/src/utills/auditLogDisplay.js: formatAuditLogLine(), resolveFeature(), actionSentence(), splitFormattedAt(), formatFallbackDate(), feature(), name(), action(), actorName(), date(), time()
- frontend/src/utills/authErrors.js: firstAuthError()
- frontend/src/utills/authSession.js: extractLoginToken(), saveAuthSession(), saveSessionFromMe(), persistLoginSession(), clearAuthSession(), getAuthToken(), getAuthUserRole(), getAuthLoginPortal(), getAuthUserName(), getAuthPermissions(), getAuthUserRoles(), getAuthAccountFeatures(), getAuthPlatformFeatures(), setAuthSubscriptionRestricted(), getAuthSubscriptionRestricted(), getAuthAccountBilling(), safeSetItem(), isLoggedIn(), authUserName(), portal()
- frontend/src/utills/billingDocument.js: buildAdminLteInvoiceHtml(), printBillingDocument(), buildClinicParty(), buildOfficialReceiptDocument(), buildInvoiceDocument(), buildPosReceiptDocument(), money(), formatPaymentMode(), addressBlock(), cellValue(), buildMetalist(), receiptLineTotal(), ADMINLTE_INVOICE_STYLES(), BILLING_COLUMNS(), lineRows(), paymentLines(), lines()
- frontend/src/utills/cameraAccess.js: canAccessCamera(), isSecureCameraContext(), getCameraUnavailableReason(), ensureMediaDevicesShim(), getCameraStream()
- frontend/src/utills/captchaSubmit.js: isCaptchaSatisfied(), captchaPayload(), ensureCaptchaBeforeSubmit()
- frontend/src/utills/consultationPrintTemplate.js: buildConsultationQueuePrintHtml(), statusLabel(), patientName(), computedAge(), printConsultationQueue()
- frontend/src/utills/copyToClipboard.js: copyWithExecCommand(), copyFromElement(), copyToClipboard()
- frontend/src/utills/dateDisplay.js: toDateInputValue(), toDatetimeLocalValue(), addDaysToDateInput(), daysBetweenDateInputs(), parseDateOnly(), formatDisplayBirthdate(), formatDisplayDate(), reminderDateForFollowUp(), formatDisplayDateTime(), formatDisplayValue(), pad()
- frontend/src/utills/diagnosisPrintTemplate.js: buildDiagnosisDocumentHtml(), display(), formatBloodPressure(), formatVitalRow(), renderRichBlock(), renderPlanBlock(), renderSecondaryTags(), computeAge(), printDiagnosisDocument(), downloadDiagnosisDocumentPdf()

- frontend/src/utills/emailDesignStyle.js: isGradientBackground(), parseBackgroundValue(), buildBackgroundValue(), backgroundFallbackColor(), backgroundInlineStyle(), fontInlineStyle(), emailDesignGradientDirections(), emailDesignFontWeightOptions(), emailDesignFontStyleOptions(), emailDesignFontSizeOptions()
- frontend/src/utills/emailNotificationLayout.js: buildEmailNotificationLayoutHtml(), replaceTokens(), escapeHtml(), backgroundInlineStyle(), fontInlineStyle(), heroIconMarkup(), socialLinksMarkup()
- frontend/src/utills/ensureAuthSession.js: resetAuthSessionSync(), ensureAuthSessionSynced()
- frontend/src/utills/featureAccess.js: isPlatformPortal(), isFeatureEnabled(), featureKeyForPath(), isPathFeatureEnabled(), firstEnabledRoute(), redirectForDisabledFeature()
- frontend/src/utills/htmlContent.js: isRichTextField(), sanitizeHtml(), sanitizeDocumentationHtml(), prepareEditorContent(), normalizeEditorHtml(), htmlToPlainText(), truncateHtmlPreview(), escapeHtml(), buildPrintableDocument(), RICH_TEXT_FIELD_KEYS(), RICH_TEXT_CONTENT_STYLES(), trimmed()
- frontend/src/utills/initClinicTheme.js: initClinicTheme(), loadClinicAos(), toggleScrolled(), mobileNavToggle(), toggleScrollTop()
- frontend/src/utills/invoiceHelpers.js: computeReceiptTotals(), computeInvoiceTotals(), formatMoney(), normalizedItems()
- frontend/src/utills/medicalCertificateContext.js: buildMedicalCertificateVariables(), medicalCertificateFormFields(), syncLeavePeriod(), formatMedicalCertificateVariablesForDisplay(), display(), patientDisplayId(), certificateId(), diagnosisText(), doctorFromMe(), medicalCertificateDateKeys()
- frontend/src/utills/medicalCertificatePrintTemplate.js: applyMedicalCertificateVariables(), buildMedicalCertificateDocumentHtml(), printMedicalCertificateDocument(), downloadMedicalCertificatePdf()
- frontend/src/utills/pageTitle.js: resolvePageTitle(), applyDocumentTitle(), syncDocumentTitle(), APP_NAME()
- frontend/src/utills/patientFormHelpers.js: normalizePatientSicknessIds(), normalizePatientFamilySicknessIds(), normalizeMedicalTreatments(), populatePatientForm(), serializePatientPayload(), shouldSerializeEmptyPatientField(), defaultPatientFieldValue(), blank()
- frontend/src/utills/philippinesLocations.js: getPhilippinesCitiesForState(), deduplicateCitiesByName(), loadPhilippinesLocations(), normalizeLocationName(), formatPhCity()
- frontend/src/utills/platformFeatureAccess.js: isPlatformPortal(), isPlatformFeatureEnabled(), canAccessPlatformFeature(), platformFeatureKeyForPath(), redirectForDisabledPlatformFeature(), platformRouteFeatureMap()
- frontend/src/utills/posSaleState.js: createPaymentLine(), buildHoldPayload(), applyHoldPayload()
- frontend/src/utills/posStock.js: isServiceProduct(), productRequiresStock(), productStockAvailable(), canAddProductToCart()
- frontend/src/utills/posTotals.js: computePosTotals(), isScPwdDiscount(), getDiscountLabel(), round2(), DISCOUNT_TYPES()
- frontend/src/utills/prescriptionPrintTemplate.js: buildPrescriptionDocumentHtml(), display(), computeAge(), formatDisplayDate(), formatTimeLabel(), formatBusinessHoursSummary(), renderInstructionList(), resolveMedicationItems(), resolveDoctor(), resolveBranch(), printPrescriptionDocument(), downloadPrescriptionDocumentPdf()
- frontend/src/utills/publicShell.js: isPublicShellRoute(), isGuestOnlyPublicRoute(), shouldUsePublicSiteShell()
- frontend/src/utills/reportDownload.js: parseFilename(), triggerBlobDownload(), downloadReportBlob()
- frontend/src/utills/roleAccess.js: canAccessNavItem(), navItemsForRole(), roleLabel(), formatRoleList(), superadminNavDefinitions(), clinicNavDefinitions(), navDefinitions()
- frontend/src/utills/scheduleDateTime.js: parseStoredDateTime(), datePartFromStored(), timePartFromStored(), timeLabelFromStored(), storedDateKey(), combineDateTime(), reminderDateTimeFromStored(), reminderMinutesBeforeStored(), sortByStoredStartTime(), toMinuteStamp(), totalMinutes()
- frontend/src/utills/setupStatus.js: isSetupRoute(), clearSetupStatusCache(), fetchSetupStatus()
- frontend/src/utills/storageUrl.js: storageOrigin(), resolveStorageUrl(), normalizeStoragePath(), filenameFromStoragePath()
- frontend/src/utills/stringFormat.js: ucwords(), formatSelectOptionLabel(), normalizeSelectOption()
- frontend/src/utills/subscriptionAccess.js: isSubscriptionExemptPath(), computeSubscriptionRestrictedFromAccount(), isSubscriptionRestricted(), handleSubscriptionRequiredResponse(), isOwnerPortal(), isSubscriptionSettingsRoute(), shouldShowSubscriptionExpiredBanner(), redirectForSubscriptionRestriction(), defaultRouteWhenSubscriptionRestricted(), startOfDay(), SUBSCRIPTION_SETTINGS_PATH(), ACCOUNT_LOCKED_PATH(), SUBSCRIPTION_EXEMPT_PATH_PREFIXES()
- frontend/src/utills/vuesticNavIcons.js: vuesticNavIcon()
- frontend/src/utills/widgetFonts.js: fontStyleSelectOptions(), loadWidgetFont(), widgetFontFamily(), widgetFontOptions()

Mobile App Classes and Functions

The mobile app is an Expo React Native client. `RootNavigator` chooses authenticated or guest navigation; `MainShell` provides the authenticated shell; `AppStack` mirrors web features as native screens; `routeMap.ts` maps web paths to native screen names after login.

Mobile Function Inventory

- mobile-app/src/components/askDrAi/DocumentDisplayPanel.tsx: DocumentDisplayPanel(), flagStyle(), DocumentDisplayFieldRow(), DocumentDisplayTableRow(), DocumentDisplaySection(), DocumentDisplay()
- mobile-app/src/components/askDrAi/MatchedAnswerCard.tsx: MatchedAnswerCard(), fitPercentage(), BulletList(), NumberedList(), Section(), EmptyValue(), symptoms()

- mobile-app/src/components/askDrAi/UploadedFileAnalysisCard.tsx: UploadedFileAnalysisCard()
- mobile-app/src/components/auth/CaptchaField.tsx: CaptchaField(), selectOption(), onTextAnswer()
- mobile-app/src/components/navigation/AppMenuModal.tsx: AppMenuModal(), goTo()
- mobile-app/src/components/navigation/MenuHeaderButton.tsx: MenuHeaderButton()
- mobile-app/src/components/pos/PosCustomerLookup.tsx: PosCustomerLookup()
- mobile-app/src/components/pos/PosDiscountPanel.tsx: PosDiscountPanel(), selectType()
- mobile-app/src/components/pos/PosHeldSalesModal.tsx: PosHeldSalesModal()
- mobile-app/src/components/pos/PosPatientLookup.tsx: PosPatientLookup(), search(), select(), clear()
- mobile-app/src/components/pos/PosPaymentLines.tsx: PosPaymentLines()
- mobile-app/src/components/pos/PosPrescriptionModal.tsx: PosPrescriptionModal(), load(), PrescriptionCartPayload()
- mobile-app/src/components/pos/PosReceiptModal.tsx: PosReceiptModal(), shareReceipt(), copyReceipt()
- mobile-app/src/components/pos/PosReconciliationModal.tsx: PosReconciliationModal(), closeSession(), Row()
- mobile-app/src/components/pos/PosReturnModal.tsx: PosReturnModal(), submit()
- mobile-app/src/components/pos/PosSessionDashboard.tsx: PosSessionDashboard()
- mobile-app/src/components/services/ServicesFilterBar.tsx: ServicesFilterBar(), ServiceListFilters()
- mobile-app/src/components/subscription/SubscriptionExpiredBanner.tsx: SubscriptionExpiredBanner()
- mobile-app/src/components/ui/AppButton.tsx: AppButton()
- mobile-app/src/components/ui/BusinessHoursField.tsx: BusinessHoursField(), toggleDay(), updateDay()
- mobile-app/src/components/ui/EmptyState.tsx: EmptyState()
- mobile-app/src/components/ui/FormActionsFooter.tsx: FormActionsFooter()
- mobile-app/src/components/ui/FormField.tsx: FormField(), normalizeStaticOptions(), generateCode(), handleCopy(), FieldConfig()
- mobile-app/src/components/ui/FormSessionBar.tsx: FormSessionBar()
- mobile-app/src/components/ui/FormTabs.tsx: FormTabs(), FormTabPanel()
- mobile-app/src/components/ui/Icon.tsx: Icon()
- mobile-app/src/components/ui/RecordCard.tsx: RecordCard()
- mobile-app/src/components/ui/ScreenLayout.tsx: ScreenLayout()
- mobile-app/src/components/ui/SearchBar.tsx: SearchBar()
- mobile-app/src/components/ui/SwitchListField.tsx: SwitchListField(), isEnabled(), toggle()
- mobile-app/src/config/routeMap.ts: pathToScreen(), publicGuestScreens()
- mobile-app/src/constants/formTabsConfig.ts: resolveFormTabs(), formatLiveDateTime(), FORM_TAB_THRESHOLD(), FORM_TAB_FIELD_LIMIT(), FormTab()
- mobile-app/src/constants/resourceConfigs.js: fontStyleSelectOptions(), photoField(), signatureField(), productImageField(), personFields(), addressFields(), resourceConfigs()
- mobile-app/src/constants/theme.ts: colors(), spacing(), radii(), shadows()
- mobile-app/src/context/AuthContext.tsx: AuthProvider(), useAuth()
- mobile-app/src/context/MenuContext.tsx: MenuProvider(), useMenu(), useOptionalMenu()
- mobile-app/src/core/authSession.ts: extractLoginToken(), getAuthToken(), initAuthFromStorage(), saveAuthSession(), saveSessionFromMe(), persistLoginSession(), clearAuthSession(), setAuthSubscriptionRestricted(), getAuthSubscriptionRestricted(), getAuthAccountBilling(), getAuthLoginPortal(), getAuthUserName(), getAuthPermissions(), getAuthUserRoles(), getAuthAccountFeatures(), getAuthPlatformFeatures(), portal(), user()
- mobile-app/src/core/captcha.ts: captchaPayload(), isCaptchaReady(), CaptchaState()
- mobile-app/src/core/getApiBaseUrl.ts: getDevMachineHost(), getApiBaseUrl(), extractApiError(), formatNetworkError(), isLocalOnlyHost(), rewriteHostname()
- mobile-app/src/core/navIcons.ts: navIcon(), NavIconName()
- mobile-app/src/core/roleAccess.ts: canAccessPlatformHelp(), navItemsForRole(), firstEnabledRoute(), isPlatformFeatureEnabled(), canAccessNavItem(), NavItem()
- mobile-app/src/core/subscriptionAccess.ts: computeSubscriptionRestrictedFromAccount(), subscriptionRestrictedMessage(), isSubscriptionExemptPath(), homeRouteWhenRestricted(), startOfDay(), isSubscriptionRestricted(), isOwnerPortal(), handleSubscriptionRequiredResponse(), SUBSCRIPTION_EXEMPT_PATH_PREFIXES(), AccountBilling()
- mobile-app/src/hooks/useSelectOptions.ts: useSelectOptions(), sourceKey(), SelectOption()
- mobile-app/src/hooks/useSubscriptionRestriction.ts: useSubscriptionRestriction()
- mobile-app/src/navigation/appNavigation.ts: setAppNavigator(), navigateApp()
- mobile-app/src/navigation/AppStack.tsx: AppStack(), GuideViewScreen(), BlogViewScreen(), FaqViewScreen()
- mobile-app/src/navigation/GuestStack.tsx: GuestStack(), GuideViewScreen(), BlogViewScreen(), FaqViewScreen()
- mobile-app/src/navigation/MainShell.tsx: MainShell()
- mobile-app/src/navigation/RootNavigator.tsx: RootNavigator()
- mobile-app/src/navigation/types.ts: RootStackParamList(), GuestStackParamList(), MainDrawerParamList(), AppStackParamList()
- mobile-app/src/screens/auth/LoginScreen.tsx: LoginScreen(), submit()

- mobile-app/src/screens/auth/OtherAuthScreens.tsx: RegisterScreen(), ForgotPasswordScreen(), ResetPasswordScreen(), VerifyScreen(), CustomerOnboardScreen(), set(), submit()
- mobile-app/src/screens/guest/HomeScreen.tsx: HomeScreen()
- mobile-app/src/screens/guest/PublicContentScreens.tsx: ContactScreen(), LegalScreen(), PartnersScreen(), GuidePublicScreen(), BlogPublicScreen(), FaqPublicScreen(), ContentViewScreen(), ApiErrorText(), CmsListScreen(), submit()
- mobile-app/src/screens/main/AccountLockedScreen.tsx: AccountLockedScreen()
- mobile-app/src/screens/main/AskDrAiScreen.tsx: AskDrAiScreen(), message()
- mobile-app/src/screens/main/ClinicFeatureScreens.tsx: CalendarScreen(), ConsultationsScreen(), ProfileScreen(), SettingsScreen(), ReportsScreen(), InventoryScreen(), CustomerBookingScreen(), HelpSupportScreen(), PatientDetailScreen(), NotificationSettingsScreen(), SettingsLink(), markServed(), cancel()
- mobile-app/src/screens/main/DashboardScreen.tsx: DashboardScreen()
- mobile-app/src/screens/main/PosScreen.tsx: PosScreen(), saleStateHelpers(), refreshHeldSales(), openHeldSalesModal(), putSaleOnHold(), resumeHeldSale(), doResumeHeldSale(), discardHeldSale(), clearSaleContext(), fetchSaleDetail(), openReceipt(), openReturnSale(), openSession(), registerDevice(), connectDevice(), disconnectDevice(), capturePaymentLine(), addToCart(), nextQty(), barcodeSearch(), products(), onPrescriptionLoaded(), openCashDrawer(), changeQty(), updatePaymentLine(), addPaymentLine(), removePaymentLine(), completeSale(), openSalesHistory(), openVoidSale(), openEditSale(), submitReasonModal()
- mobile-app/src/screens/resources/ResourceFormScreen.tsx: ResourceFormScreen(), normalizeFormRecord(), defaultFieldValue(), save(), updateField(), renderFields()
- mobile-app/src/screens/resources/ResourceListScreen.tsx: ResourceListScreen(), ResourceListInner(), recordPresentation(), applyServiceFilters(), clearServiceFilters(), exportServices(), onDelete(), ResourceListInnerProps()
- mobile-app/src/screens/superadmin/SuperadminScreens.tsx: SuperadminGuidesScreen(), SuperadminBlogScreen(), SuperadminFaqScreen(), SuperadminAccountsScreen(), SuperadminUsersScreen(), SuperadminRolesScreen(), SuperadminEnumOptionsScreen(), SuperadminPartnersScreen(), SuperadminBackupsScreen(), SuperadminReportsScreen(), SuperadminFeatureSettingsScreen(), SuperadminCaptchaSettingsScreen(), SuperadminBrandingSettingsScreen(), SuperadminContactSettingsScreen(), SuperadminLegalPagesScreen(), PlatformHelpSupportScreen(), DiagnosisListScreen(), PrescriptionListScreen(), PaymentsListScreen(), ApiListScreen(), JsonSettingsScreen(), load(), rowTitle(), rowSubtitle()
- mobile-app/src/services/askDrAi.ts: displayAskDrAiText(), hasAskDrAiSourceUrl(), isAskDrAiNotFoundAnswer(), mapScalarField(), mapStringList(), mapReferences(), mapAnswer(), askDrAi(), AskDrAiReference(), AskDrAiAnswer(), DocumentDisplay(), UploadedFileContextItem(), AskDrAiPayload()
- mobile-app/src/services/codeGeneration.ts: autoGenerateSeedFields(), buildAutoGenerateSeed(), fetchGeneratedCode()
- mobile-app/src/services/resourceExport.ts: arrayBufferToBase64(), downloadResourceExport(), defaultServiceExportColumns()
- mobile-app/src/services/uploads.ts: uploadFiles(), UploadedFileMeta()
- mobile-app/src/types/pos.ts: createPaymentLine(), isElectronicPayment(), PosPaymentMode(), PosPaymentLine(), PosPaymentDevice(), PosSession(), PosSaleLine(), PosSalePayment(), PosCustomerOption(), PosPatientOption(), PosReconciliation(), PosSale(), PosReceiptData()
- mobile-app/src/types/posHeld.ts: PosHeldSale()
- mobile-app/src/utils/copyToClipboard.ts: copyToClipboard()
- mobile-app/src/utils/formValueHelpers.ts: normalizeBusinessHours(), normalizeSwitchList(), buildTimeOptions(), displayTime(), normalizeTime(), BusinessHours(), SwitchListValue()
- mobile-app/src/utils/posReceipt.ts: buildReceiptText()
- mobile-app/src/utils/posSaleState.ts: buildHoldPayload(), applyHoldPayload(), HoldPayloadInput(), HoldPayload(), SaleStateHelpers()
- mobile-app/src/utils/posStock.ts: isServiceProduct(), productRequiresStock(), productStockAvailable(), canAddProductToCart(), formatMoney(), PosCatalogItem(), PosCartLine()
- mobile-app/src/utils/posTotals.ts: computePosTotals(), isScPwDiscount(), getDiscountLabel(), round2(), scPwRequired(), DiscountType()
- mobile-app/src/utils/resourceListDisplay.ts: ucwords(), buildRecordPresentation(), formatColumnValue()

Key Data Relationships

Area	Relationships
Tenancy	`accounts` own most clinic records through `account_id`; platform content/settings can be global or platform-scoped.
Users and Roles	`users` belong to accounts and can be assigned roles through `roles` and `role_user`; staff/customer profiles can create linked login users.
Patients	`patients` link to customers, emergency contacts, insurance, sickness history, family history, treatments, consultations, diagnoses, prescriptions, schedules, invoices, and POS sales.

Area	Relationships
Scheduling	`schedules` link to branches, customers, patients, doctors/staff, services, and can feed consultation queue records.
Clinical	`diagnoses` link patients and optional services/products; `prescriptions` link patients, diagnosis, clinic branch, doctor staff, and prescription items.
Billing	`invoices` link customers/patients/diagnoses/staff and line items; paid invoices synchronize official receipts and transactions.
POS	`pos_sessions` group register activity; `sales_orders` have lines, payments, adjustments, returns, and inventory movements.
Inventory	`service_products` of type product can have inventory items and movements; services are billable without stock tracking.
Support	`support_tickets` have messages, attachments, read states, status, priority, and assignment metadata.

Security and Access Control

- API authentication uses Laravel Sanctum tokens. Protected routes use `auth:sanctum`, `account.feature`, and `subscription.active` middleware.
- Account owners access billing, gateway, billing number, and mass messaging controls through `account.owner` middleware.
- Superadmin routes are protected by frontend route guards and backend controller assertions.
- `CustomerPortalScope` limits customer portal visibility and mutation.
- Role permissions are enforced for resource access, imports/exports, POS, reports, support, and settings areas.

Operational Notes

- Generated files and uploads are stored through Laravel storage paths; upload endpoints return metadata for web and mobile forms.
- Backups are represented by `system_backups` and `backup_schedules`; restore, download, and delete are superadmin-only.
- Reports use date-range helpers and export builders, with generated output tracked in `report_logs`.
- Notification settings, templates, email designs, and mass message designs use resolver/renderer services.
- This document is based on static source inspection. Deployment-specific seeded values, database constraints, and gateway settings should be verified in the target environment.