

Features

Team 06 Paradigm

Topic: Clinic Management System

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Github Repository Link:

https://github.com/salemyst/T6_OPP_Clinic-Management-System

Functional Requirements

Functional Requirement 1

- Requirement Number: RF 1
- Requirement Name: Patient Information Management.
- Type: Requirement
- Requirement Source: Administrative Staff
- Requirement Priority: High
- Description: The system shall allow the registration, storage, and updating of patient information, including personal details, contact information, and medical history. Authorized users must be able to retrieve and modify this data securely when necessary.

Functional Requirement 2

- Requirement Number: RF 2
- Requirement Name: Doctor Information Management
- Type: Requirement
- Requirement Source: Administrative Staff
- Requirement Priority: High
- Description: The system shall store and manage information about doctors, including their names, specialties, availability, and contact details. It shall allow administrators to update schedules and assign patients accordingly.

Functional Requirement 3

- Requirement Number: RF 3
- Requirement Name: Billing Module
- Type: Requirement

- Requirement Source: Administrative Staff
- Requirement Priority: High
- Description: The system shall generate and manage invoices for medical services, process electronic payments, and record billing history for each patient. It must support integration with external payment gateways and insurance systems.

Functional Requirement 4

- Requirement Number: RF 4
- Requirement Name: Medical Records
- Type: Requirement
- Requirement Source: Administrative Staff
- Requirement Priority: High
- Description: The system shall store patients' medical histories, including diagnoses, treatments, laboratory results, and prescriptions. It must ensure that medical data is accessible only to authorized healthcare professionals.

Functional Requirement 5

- Requirement Number: RF 5
- Requirement Name: Appointment Scheduling
- Type: Requirement
- Requirement Source: Administrative Staff
- Requirement Priority: High
- Description: The system shall provide functionality for scheduling, rescheduling, and canceling patient appointments. It must manage doctor availability and avoid conflicts in time allocation.

Functional Requirement 6

- Requirement Number: RF 6
- Requirement Name: Appointment Notifications

- Type: Requirement
- Requirement Source: Administrative Staff
- Requirement Priority: High
- Description: The system shall send automated notifications to patients and doctors regarding scheduled, rescheduled, or canceled appointments via email or SMS.

Functional Requirement 7

- Requirement Number: RF 7
- Requirement Name: Prescription Management
- Type: Requirement
- Requirement Source: Administrative Staff
- Requirement Priority: High
- Description: The system shall allow doctors to issue, update, and store electronic prescriptions that can be viewed by patients and pharmacists within the clinic.