

Team 1

Health Care Management System

System Description:

The **Health Care Management System** is an integrated digital platform designed to simplify and improve the way patients access healthcare services. The system combines two major components: a **clinic appointment booking system** and an **online pharmacy system**, creating a unified solution for both medical consultations and medication needs.

Through the appointment booking feature, patients can easily search for clinics, browse available doctors across different specialties, view their schedules, and reserve appointments at convenient times. This reduces waiting times, eliminates the need for manual booking, and ensures better time management for both patients and healthcare providers.

In parallel, the **online pharmacy system** allows patients to order prescribed or over-the-counter medications directly through the platform. Drugs are sourced from partner pharmacies, and the system provides detailed product information, categorization, and availability. If a requested drug is unavailable, the system leverages AI-driven recommendations to suggest suitable alternatives, marked as **approved** (same purpose and safe substitute) or **unapproved** (different purpose or category). Orders can be tracked from placement to delivery, giving patients full visibility.

By merging clinic booking and pharmacy services, the platform offers patients a **seamless healthcare journey**—from consulting a doctor to receiving prescribed medication—all within one system. For healthcare providers and pharmacies, the system improves efficiency, enhances patient engagement, and opens new digital service channels.