

## **Doctor Appointment Web Application – Phase 1: Conception Phase**

The Doctor Appointment Web Application is a healthcare-focused platform that enables patients to book, manage, and confirm medical consultations online. It allows users to browse doctors, book 2-hour time slots (Monday–Friday, 8:00 AM–6:00 PM), and complete a payment to secure appointments. A built-in in-app messaging system delivers all updates and reminders. The system sends appointment reminders 24 hours and 1 hour before the scheduled time, giving patients a chance to confirm or cancel. Doctors are notified of all changes in real time through their message inbox.

### **Core Features:**

- Browse available doctors and view working hours
- Book, cancel, or update appointments (2-hour blocks)
- Mock payment (simulates successful transaction, marks as “Paid”)
- In-app notifications (appointment confirmation, reminders, cancellations)
- Patient options to confirm or cancel appointments via inbox
- Doctors see updated slots and appointment status in real time **Target**

### **Users:**

- Patients seeking simple, self-service appointment scheduling
- Clinics or independent doctors looking to reduce manual scheduling **User**

### **Benefits:**

- 24/7 access to appointment management
- Transparent availability and instant booking
- Timely reminders and confirmation options
- All communication in one inbox (no external email needed)

### **Technical Approach**

[Browser (User)]



HTML/CSS/JS Frontend



Django REST API Backend



## Architectural Diagram

