

# Appointment management and booking platform system

## **Introduction:**

The Application will serve multiple services for hospitals. It will be easily accessed by everyone and will make the process faster than normal. Contact will be held easily between the patient and the hospital.

- Patients will be able to open files from the application.

It will show all the departments included in the hospital. In case the patient does not know which department he/she should contact, the application will automatically refer you to the appropriate department according to your symptoms.

In each department, it will show you the information about the doctors and their services.

- Patients will be able to make appointments from the application.

In case a patient has an x-Ray image, it will be sent to him/ her through the application.

After getting diagnosed by the doctor, your diagnosis will be available to see in the application.

The medicines that the doctor will prescribe to the patients will be shown in the application.

- Online chat.
- Home Diagnostics.
- The application will provide online payment system for the services which will make the process faster and less time consuming.

**Problem Description / Solution:**

Digital healthcare booking platform and practice management software. To automated physician, clinic and hospital bookings making healthcare easily accessible. Patients are able to search, compare, and book the best doctors. Doctors also provide Patients with seamless healthcare experiences through clinic management software.

Our Idea is present in our society but not applied in the right way.

The main problem for the patients is “Waiting” for long time just to open a file.

The second problem is when a patient makes an appointment, she/he should go to the hospital to pay the bill. But in our application, Patients will be able to pay directly from the application.

The third problem is many hospitals give a CD to check your X-Ray image or be present at the hospital. Our app will let the hospitals send the images through the application.

Fourth problem is when Patients enter the emergency, they will be asked to get diagnosed and then pay the bill at the reception, which sometimes can be far away from the emergency department and can be difficult for some patients to walk all that way. Our application will have the option to pay the bill online.

Fifth problem is many clinics don't remind patients with their appointments. In our application there will be two methods to remind patients with their appointments.

### **Patients Site**

- Location-based caregiver search
- Easy booking system
- Personal dashboard with booking details

### **Caregiver Dashboard**

- Caregivers management
- Bookings management
- Notifications and alerts

## Appointment Scheduling

- Advance Appointment Scheduling with Clinics, Hospitals, and Doctors.
- Supports both At Venue (Clinics/ Hospitals) & Home based services.
- Rescheduling and Cancellations.
- Service Status Tracking & Alerts.
- Appointment Notifications to Patients & Doctors.
- Healthcare App Development and Software for managing Appointments.

## Notifications and Alerts

- Patients notifications
- Medical Staff notifications

## Automation

- Testing and system monitoring automation
- Automatic builds and releases

## Integrations

- Location services
- Analytics
- 3rd parties

Technologies used:

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Programming language	Python
User Interface	HTML – CSS – Java Script - Bootstrap
Backend	Django Framework
Database	MySQL
Security System	Python libraries for security

### Our Progress in week 1:

- Reframing the full description to application.
- List the right problems the application will cover and solve.
- List the main application parts.
- List the used techniques to create application.