

# Hospital Appointment System

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## Project Description

The **Hospital Appointment System** is a web application built using Django. It aims to streamline the process of booking medical appointments between patients and doctors.

The system allows patients to create an account, view available doctors, and schedule appointments. Doctors can log in to view their upcoming appointments and update the status of each appointment (Booked, Completed, or Cancelled). The admin has full control to manage users, doctors, patients, and appointments.

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## User Stories

### Patient

- As a **patient**, I want to **register an account** so that I can log in and manage my appointments.
- As a **patient**, I want to **view all available doctors** with their specialization so that I can choose the right doctor.
- As a **patient**, I want to **book an appointment** with a doctor at a specific date and time.
- As a **patient**, I want to **view my appointments** to check the status of each one.
- As a **patient**, I want to **cancel or reschedule an appointment** if needed.

### Doctor

- As a **doctor**, I want to **log in** so that I can manage my appointments.
- As a **doctor**, I want to **see a list of my upcoming appointments** with patient details.
- As a **doctor**, I want to **update the status** of an appointment (Booked, Completed, Cancelled).

### Admin

- As an **admin**, I want to **create, read, update, and delete doctors and patients** so that I can manage the hospital staff and patient records.
- As an **admin**, I want to **view all appointments** in the system to monitor hospital activity.
- As an **admin**, I want to **manage user accounts** for both doctors and patients.

