

Hospital Management System

Models

1. Department

- o name (CharField)
- o location (CharField)

2. Doctor

- o name (CharField)
- o specialization (Select Key)
- o phone (CharField)
- o email (EmailField)
- o department (ForeignKey)

3. Patient

- o name (CharField)
- o age (IntegerField)
- o gender (CharField with choices: Male, Female, Other)
- o phone (CharField)
- o address (TextField)
- o doctor (ForeignKey)

4. Appointment

- o patient (ForeignKey → Patient)
- o doctor (ForeignKey → Doctor)
- o appointment_date (DateTimeField)
- o status (CharField with choices: Pending, Completed, Cancelled)

Tasks

1. Implement **CRUD operations** for all models (Department, Doctor, Patient, Appointment).

2. Relationship handling:

- o Each department can have **many doctors**.
- o Each doctor can have **many patients**.
- o Each patient can book **many appointments** with a doctor.

3. Create pages to:

- o View all doctors under a department.
- o View all patients of a doctor.
- o View all appointments of a patient.

4. Bonus:

- o When a doctor is deleted, their patients and appointments should also be deleted (on_delete=CASCADE).
- o Display a doctor's profile showing their department, patients, and upcoming appointments.