

UI sketch

1) Login Page

Hospital Management System

Username :

Password :

Role :

Doctor  
Patient

2) Admin Dashboard

Home    Manage Patients    Manage Doctors    View Appointments

Total patients : .

Total doctors :

Total appointments :

TOPIC NAME : \_\_\_\_\_

DATE : \_\_\_\_\_

TIME : \_\_\_\_\_

DATE : \_\_\_\_\_

### 3) Manage Patients Page (Admin)

| Patient name | Email | Phone |   |
|--------------|-------|-------|---|
| -----        | ----- | ----- | <input type="button" value="Edit"/> <input type="button" value="Delete"/> |
| -----        | ----- | ----- | <input type="button" value="Edit"/> <input type="button" value="Delete"/> |

Add new patient

### 4) Manage Doctors Page (Admin)

| Doctor Name | Specialization | Activity |   |
|-------------|----------------|----------|---|
| -----       | -----          | -----    | <input type="button" value="Edit"/> <input type="button" value="Delete"/> |
| -----       | -----          | -----    | <input type="button" value="Edit"/> <input type="button" value="Delete"/> |

Add new  
Doctor

# Use Case Diagram

Actors: Admin, Doctor, Patient (👤)

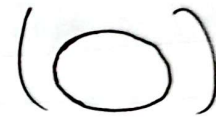
Use cases: Register/login

Book appointment

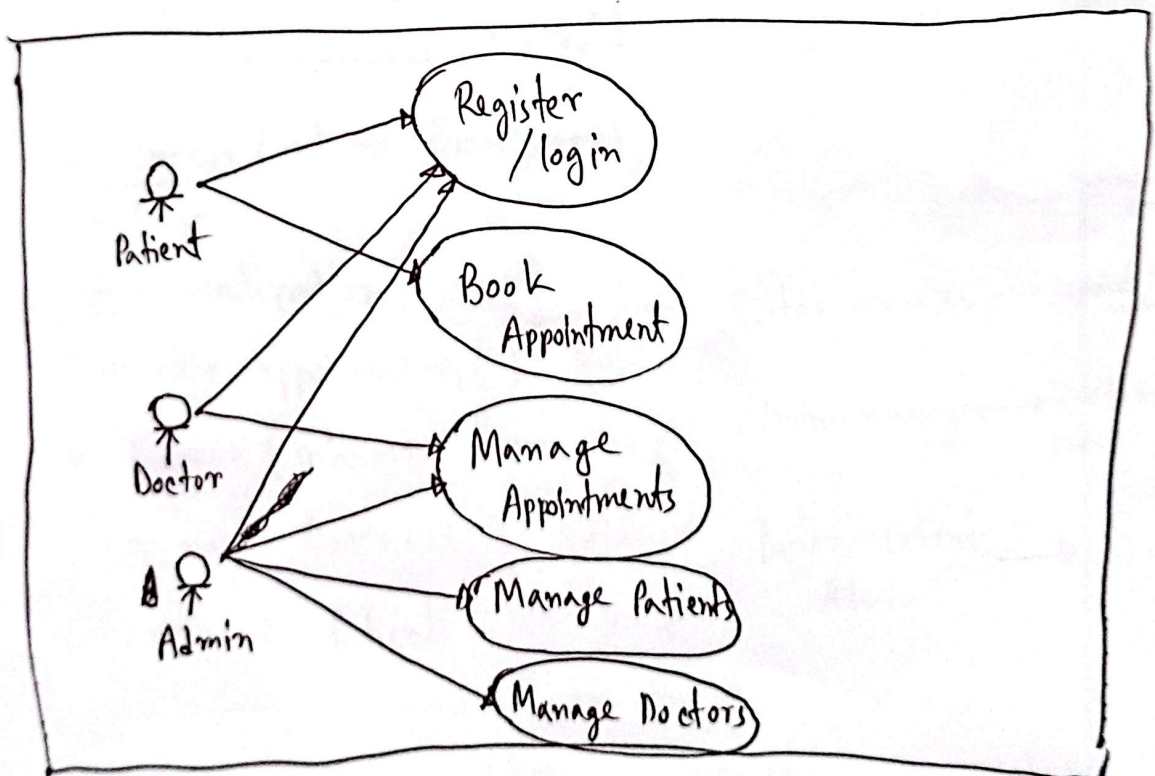
Manage appointments

Manage Patients

Manage Doctors



System boundary:



## Class Diagram

### 1. User

+ User

- username : string

- password : string

+ login ( ) : boolean

### 2. Patient (inherits from user)

+ Patient

- name : string

- age : int

+ book appointment ( ) : void

### 3. Doctor (inherits from user)

+ Doctor

- specialization : string

+ view appointments ( ) : void

### 4. Admin (inherits from user)

+ manage Doctors ( ) : void

+ manage Patients ( ) : void

### 5. Appointment

+ Appointment

- date : Date

- time : Time

- status : string

+ confirm ( ) : void

+ cancel ( ) : void

## Relationships

Patient — Books —> Appointment

Doctor — Handles —> Appointment

Admin — manages —> Doctor, Patients

Doctor, Patient, Admin —> User



# Activity Diagram Book Appointment (Patient)

