# Hospital Management System

## User Roles

* Receptionist
* Doctor
* Nurse
* Visiting Doctor

## Receptionist

* Search for a patient.
* Register new patients.
* Schedule an appointment with a doctor.
* Cancel appointment
* Reschedule appointment
* Generate invoice
* Room admission
* View the visiting doctor requests by in-house doctors
* Assign the visiting doctor to an appointment along with an in-house doctor(cannot assign without an in-house doctor)

### Register new patients

* Check if a patient record is already present
* For new patients
  + Collect patient information
  + Appointment Information
  + Insurance details
  + Medical history
  + Emergency Contact

### Schedule an appointment with a doctor

* Search for available doctors
* Create an appointment for the patient with the doctor

### Room admission

* Provision room for patients
* View all admission requests by doctors

## Doctor

* View appointments for the day
* Close appointment if no admission is needed/admission is no longer needed.
* Elevate appointment to admission(receptionists will take care of provisioning rooms)
* Create prescriptions for patients
* Modify prescriptions
* Request a visiting doctor

## Nurse

* View all assigned patients with room numbers
* Update prescription items' status after providing the medication

## Visiting Doctor

* View appointments for the day
* Cannot close or elevate the appointment(only in-house doctors can do that)