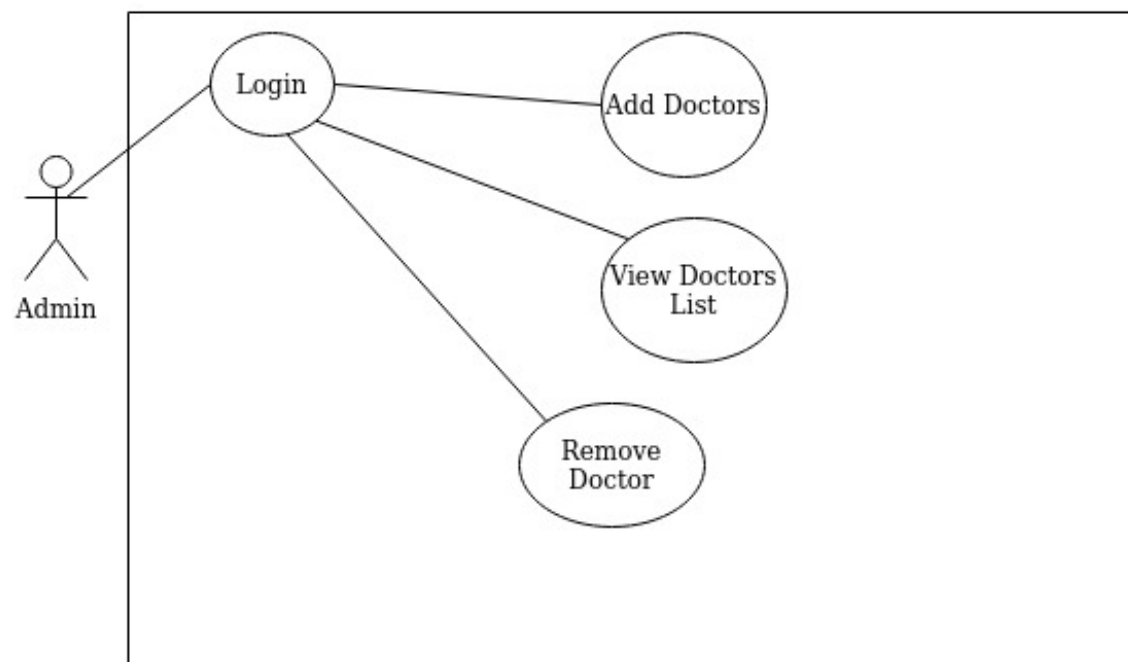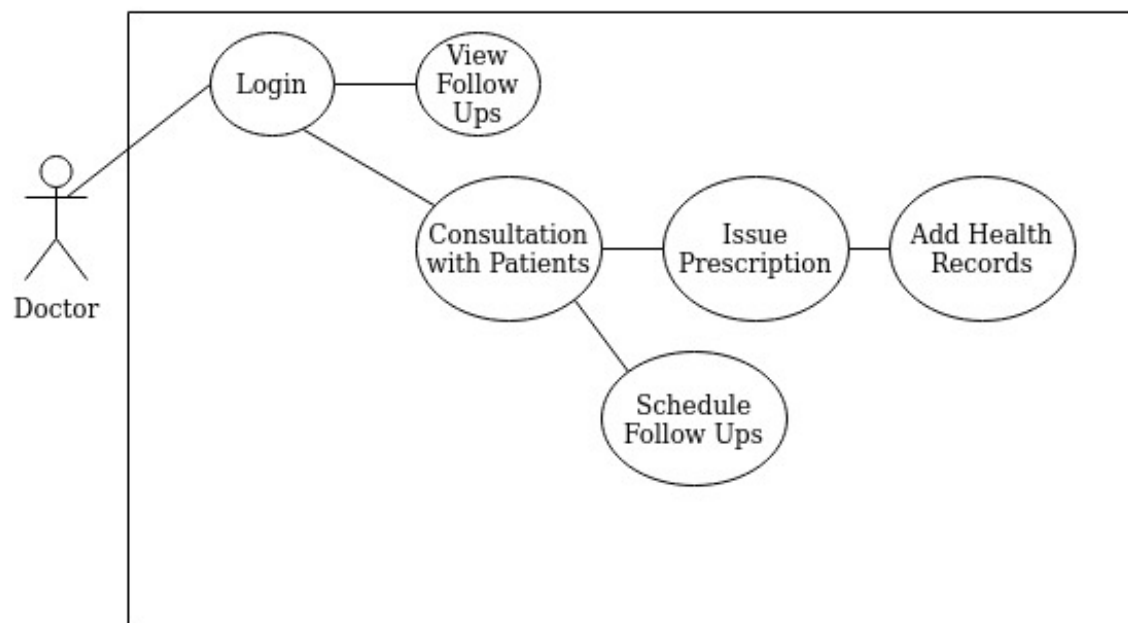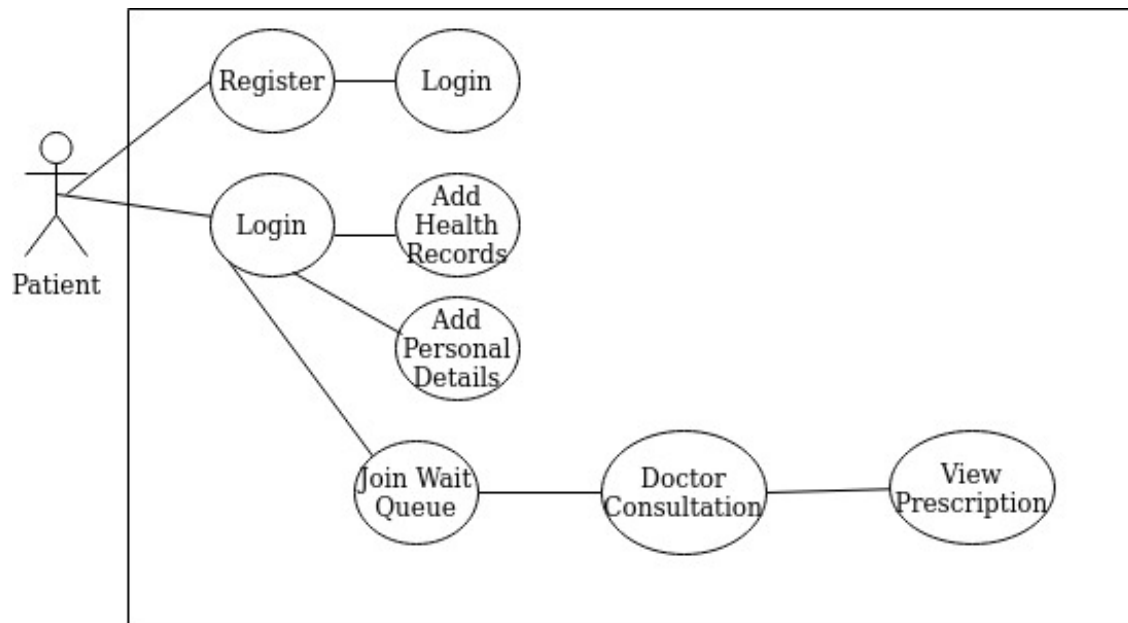# PROJECT 2 :-
Tele-consulting platform

High Level Functionality of the Application

- Patient Registration and Login
- Doctor Login
- Waiting Queue Management
- Video/Phone Call Functionality
- Follow Up Scheduling
- Prescription Management
- Admin Management

Who are the main users/actors

- Patients
  - o Patients can create an account and login in the app.
  - o They can add previous health records.
  - o They will be able to join the waiting queue.
  - o Join the Video/Phone consultations call with the doctors.
  - o View their prescription.

- Doctors
  - o Doctors can login in the app.
  - o View their scheduled follow up appointments.
  - o Conduct video or phone consultations with the doctors.
  - o Schedule follow up appointments.
  - o Add health records and issue prescription to patients.

- Admin
  - o Login
  - o Admin can add and remove doctors from the webapp

Patient

- Patient
  - Register — Login
  - Login
    - Add Health Records
    - Add Personal Details
    - Join Wait Queue — Doctor Consultation — View Prescription

Doctor

- Doctor
  - Login
    - View Follow Ups
    - Consultation with Patients
      - Issue Prescription — Add Health Records
      - Schedule Follow Ups

Admin

- Admin
  - Login
    - Add Doctors
    - View Doctors List
    - Remove Doctor

Description

Patient registration and login:

- Patient enters their mobile number.
- The webapp sends an OTP to the entered mobile number.
- Patient enters the received OTP.
- The webapp verifies the OTP and logs in the patient if the OTP is valid.
- If the patient is a new user, the webapp prompts the patient to enter their personal information and create an account.

Doctor login:

- Doctor enters their email and password.
- The webapp verifies the email and password and logs in the doctor.
- Doctors can view their follow up appointments.

Queue management:

- Patient joins the queue
- The webapp assigns the patient a position in the queue
- The webapp connects the patient to the next available doctor

Video and Audio call functionality:

- Patient and doctor conduct the video or audio consultation through the webapp.

Follow-up scheduling:

- Doctor schedules a follow-up appointment with the patient.
- The webapp adds the follow-up to the doctor's calendar.

Prescription management:

- Doctor issues a prescription to the patient.
- The webapp stores the prescription and makes it available for the patient to view.

Consent management:

- Patient grants permission to access their personal health records to doctor.
- Patients grants access to health records to store data.

Admin management:

- Admin registers and manages the doctors on the webapp.