**Project Functionalities:**

1. Patient management:
   1. Register new patients and store their information in the database.
   2. Search for patients by name, ID, or other criteria.
   3. Update patient information and medical history.
   4. View patient appointments, medications, and treatments.
2. Doctor management:
   1. Register new doctors and store their information in the database.
   2. Search for doctors by name, specialty, or other criteria.
   3. Assign doctors to patients and appointments.
   4. View doctor schedules, appointments, and patient information.
3. Appointment management:
   1. Schedule new appointments for patients and doctors.
   2. Search for appointments by date, time, or other criteria.
   3. Update or cancel appointments as needed.
   4. Send reminders to patients and doctors about upcoming appointments.
4. Billing management:
   1. Generate bills for patients based on their treatments and services.
   2. Track payments and outstanding balances.
   3. View payment history and generate financial reports.
5. Electronic medical records:
   1. Store and manage electronic medical records for patients.
   2. Allow authorized users to access and update medical records.
6. Reporting:
   1. Generate reports on patient medical history, and treatments.

**Panels:**

1. Receptionist Panel:
2. Doctors Panel:
3. Pharmacist Panel:
4. Admin Panel: