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Section: 5-A
Course: Software Design and Analysis

Assignment 1

Stakeholders:

- Patients (Registered)
- Patients (Un-Registered)
- Receptionist
- Nurse
- Doctor
- Lab assistant
- Pharmacist
- Cashier

Requirements:

Business Requirements:
- Patient can view his complete medical history and prescription.
- Hospital will have computerized patient records to analyze complete medical history of patients and to monitor the staff working in the hospital.

Functional Requirements:

- Registering patients.
- Booking appointments.
- Keeping patient detailed medical record.
- Generating reports.
- Database to save records of patient and hospital resources.

User-Requirements:

Registered Patients:
- View available appointments
- Book appointments
- Manage profile
- See medical history
- Can view medicines and prescriptions

Un-Registered Patients:
- Register
- View hospital timings

Receptionist:
- Create patient account.
- Refer to concerned doctor.
- Book appointment for patient.

Nurse:
- A lot patient to concerned doctors.
- Check doctor status
- Update patient account

Doctor:
- Enter prescription for patient.
- Redirect to nurse for reassessment or collecting specimen.
- Refers to lab assistant for test.
- View reports generated by lab assistant.

Lab assistant:
•   Generate and enter test reports in the system.

Pharmacist:
•   Enter dose and guidelines for medicines into the system.

Cashier:
•   Prepare invoice for medicines.
•   See patient payment history.

<u>Non-Functional Requirements:</u>
•   Availability
•   Scalability
•   Security
•   Efficient
•   User friendly