Patient Medicine and Management system

Description:

➢ Admin:

❖ Login:

- Admin logs in to the system, usually through an authentication page. The system verifies credentials and assigns a session or JWT token.
- On successful login, the Admin is redirected to the admin dashboard.

❖ User Management:

- Admin can create, update, or delete user accounts for doctors.
- Assign roles to new users (Doctor)
- Admin can reset passwords or disable accounts if needed.

❖ Patient Management:

- Admin can view all patient records, including medical history and personal information (though they cannot modify medical data directly).
- Admin can admit new patients, view discharge details, and see overall patient statistics.

➢ Doctor:

❖ Login:

❖ User can login by user name and password once it is saved in the database it will be move on to the Dashboard page.

❖ Patient Information:

- The doctor can **view** patient records, medical histories, allergies, and lab results.

- Doctors can **update** patient progress notes, diagnosis, and treatment plans.

❖ **Appointment Management**:

- Doctors can **manage** their appointment schedule (view new appointments, reschedule, or cancel).
- Doctors can accept or reject consultation requests based on their availability.

❖ **Prescriptions and Treatments**:

- Doctors can **prescribe medications** and treatments, which are recorded in the patient's medical history.
- Doctors may issue referrals for further specialized consultations.

➢ **Patient:**

❖ **Login:**

- User can login by user name and password once it is saved in the database.
- Upon login, they are directed to a dashboard that shows the day's appointments, patient details, and administrative tasks.

❖ **Patient Registration**:

- Receptionists register **new patients**, capturing their personal and insurance details.
- They may update **existing patient information** if there are changes (e.g., contact information or insurance details).

❖ **Appointment Scheduling**:

- Receptionists manage the appointment calendar and **schedule new appointments** for doctors and other healthcare providers.
- They also **reschedule or cancel appointments** when necessary.

❖ **Medicine lists**:

- Patient can view the list of medicines by the prescribed doctor.

Note:

➢ This is the document for confirmation of the working procedure.

➢ All the process is going to be done as per the description given above.

Framework: Srping MVC

Front-end: Thymeleaf templates

Back-end: java-spring booot

Database: Mongo dB

Domain: Application