

IT314 Software Engineering
Hospital Management System
Group 15

USER STORIES:

❖ User Story for Patients:

1. Patient Registration

As a patient, I want to be able to register myself on the Web Application of HMS. And Login afterwards.

Acceptance Criteria

- On entering the registration page, a form will appear which will ask for basic patient information.
- Patient can Login with his/her credentials.

2. Scheduling Appointment

As a patient, I want to be able to schedule an appointment with a doctor conveniently.

Acceptance Criteria

- I can view the list of available doctors and available slots.
- I can choose a doctor and select a suitable appointment date and time.
- After booking, I receive a confirmation email with the appointment details.

3. Patient's History

As a patient I am able to view my medical history in this hospital.

Acceptance Criteria

- He/She will be able to access his/her previous prescriptions and appointments.
- He/She will be able to see his/her billing history.

❖ User Story for Admin:

1. Staff Management

As Admin I am able to manage the account and role of Hospital Staff.

Acceptance Criteria

- I can create, edit, or deactivate user accounts for doctors, receptionists, and other staff members.
- I can define user roles and permissions to ensure proper access control.
- I can Approve the leave of staff members.

2. Report Generation

As part of the hospital administration, I want to generate various reports for analysis and decision-making.

Acceptance Criteria

- I can create different types of reports, such as financial summaries, patient demographics and appointment statistics.

❖ **User stories for Doctors:**

1. Doctor Registration/login

As a doctor(user),I want to register myself on the Web Application of HMS.

Acceptance Criteria:

- On entering the registration page a form will appear that ask my basic information.
- Web application allows me to login using my security key.

2. Access to my daily schedule

As a doctor ,I want to be able to view my daily appointments.

Acceptance Criteria:

- On entering the Web application I want a section where I click and select today's date.
- Then,I can see a list of scheduled appointments for the day.

3. Access to patient's health history

As a doctor ,I want access to my patient's health and medication history.

Acceptance Criteria:

- If I enter the patient's patient id then it will give me the patient's details and medication history.

4. Add patient's prescription

As a doctor I examine patients and then come to some conclusion so I need a feature that allows me to add a patient's prescription.

Acceptance Criteria:

- If I enter the patient's patient id then it will give me the patient's details and medication history.
- There should be an option to add a patient's prescription.

5. Leave portal

If I know that I will not be able to come for some days then there should be an option that takes my leave dates.

Acceptance Criteria:

- There should be a section where I can apply for leaves.

❖ User Stories for Receptionist:

1. Registration for new patient :

As a receptionist, I want to register new patients into the system.

Acceptance Criteria:

- I should be able to enter the patient's personal information, including name, date of birth, gender, and contact details.
- The system should generate a unique patient ID for each new registration.
- I should have the option to link a patient to a specific doctor if requested.

2. Schedule patient appointment:

As a receptionist, I want to be able to schedule patient appointments.

Acceptance Criteria:

- I should be able to access a calendar view to see the available time slots for each doctor.
- I should be able to select a date, doctor, and available time slot to schedule an appointment for a patient.
- The system should prevent double-booking appointments for the same time slot.

3. Manage patient medical history and billing:

As a receptionist, I can handle a patient's total medical history and billing.

Acceptance Criteria:

- I should be able to generate an itemized bill for the patient's visit.
- The system should record payment transactions and update the patient's balance accordingly.
- I can update a patient's profile with total medical history and reports.

Group Mentor:

Harshita Tripathi

Group Members:

1. Vaidik Patel - 202101217
2. Aryan Vagh - 202101221
3. Utpal Busa - 202101193
4. Divyam Oza - 202101171
5. Ramya Patel - 202101176
6. Prince Barad - 202101223
7. Aryan Patel - 202101226
8. Jimi Patel - 202101206
9. Mayur Suthar - 202101172
10. Dipakkumar Baghel - 202101168