



Darshan University

A Project Report on

“Hospital Management System”

Under the subject

Software Engineering (2301CS405)

B. Tech, Semester – IV

Computer Science & Engineering Department

Submitted By

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Academic Year

(2024-2025)

Internal Guide

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DECLARATION

We hereby declare that the SRS, submitted along with the **Software Engineering (2301CS405)** for entitled “**Hospital Management System**” submitted in partial fulfilment for the Semester-5 of **Bachelor Technology (B. Tech)** in **Computer Science and Engineering (CSE)** Department to Darshan University, Rajkot, is a record of the work carried out at **Darshan University, Rajkot** under the supervision of R. B. Gondaliya and that no part of any of report has been directly copied from any students’ reports, without providing due reference.

Ronit Savaliya

Student’s Signature

Date: _____



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CERTIFICATE

This is to certify that the SRS on “**Hospital Management System**” has been satisfactorily prepared by **Ronit Savaliya (23010101247)** under my guidance in the fulfillment of the course **Software Engineering (2301CS405)** work during the academic year 2024-2025.

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ACKNOWLEDGEMENT

I wish to express my sincere gratitude to my project guide Prof. R. B. Gondaliya and all the faculty members for helping me through my project by giving me the necessary suggestions and advices along with their valuable co-ordination in completing this work.

I also thank my parents, friends and all the members of the family for their precious support and encouragement which they had provided in completion of my work. In addition to that, I would also like to mention the Darshan University personals who gave me the permission to use and experience the valuable resources required for the project from the University premises.

Thus, in conclusion to the above said, I once again thank the faculties and members of **Darshan University** for their valuable support in completion of the project.

Thanking You

Ronit Savaliya

ABSTRACT

The Hospital Management System (HMS) is an integrated software solution designed to streamline and automate hospital operations, ensuring efficient management of patients, staff, and administrative tasks. This system enables functionalities such as patient registration, appointment scheduling, electronic health records (EHR) management, billing, inventory tracking, and reporting. By centralizing and digitizing hospital workflows, the HMS aims to enhance operational efficiency, reduce manual errors, and improve patient care. The system supports multiple user roles, including patients, doctors, administrative staff, and pharmacists, providing role-specific access to functionalities through an intuitive interface. Key features include real-time appointment booking and notifications, secure data handling with role-based access and encryption, pharmacy and inventory management to monitor stock levels and reduce wastage, and financial management tools to process payments and generate invoices. The HMS integrates with third-party systems such as laboratory management tools and insurance platforms, ensuring seamless communication and data sharing. It is designed to comply with healthcare regulations, such as HIPAA and GDPR, to maintain data privacy and security. Scalability and flexibility are core attributes, enabling the system to cater to hospitals of various sizes, including multi-branch setups. The HMS is cloud-based, ensuring high availability and accessibility across devices, including desktops and mobile platforms. Additionally, advanced analytics and reporting tools allow hospital administrators to monitor operational trends, optimize resource allocation, and make informed decisions. By providing a unified platform for hospital management, the HMS addresses the challenges of manual workflows, enhances the patient experience, and empowers healthcare professionals to focus more on delivering quality care. This SRS outlines the functional and non-functional requirements of the HMS, covering its scope, features, design constraints, and intended user interactions, serving as a comprehensive guide for stakeholders, developers, and testers involved in the system's implementation.

Table of Contents

List of Figures.....	I
List of Tables.....	II
1 Introduction.....	1
1.1 Purpose.....	1
1.2 Scope	1
1.3 Intended Audience and Reading Suggestions	1
1.4 Definitions, Acronyms, and Abbreviations.....	2
1.5 Functional Requirements	2
1.5.1 Administrative	2
1.5.2 Receptionist.....	2
1.5.3 Doctor	2
1.5.4 Staff/Nurse	2
1.5.5 Patient	3
1.5.6 Pharmacist.....	3
1.6 Non-Functional Requirement.....	3
1.6.1 Usability:.....	3
1.6.2 Accuracy:	3
1.6.3 Availability:	3
1.6.4 Maintainability:	3
2 Design and Implementation Constraints.....	4
2.1 Use case diagram.....	4
2.2 Activity diagram and Swimlane diagram.....	6
2.3 Sequence diagram	9
2.4 State diagram	11
2.5 Class diagram.....	12
2.6 Data flow diagram	13
2.6.1 Context diagram (level-0).....	13
2.6.2 DFD Level-1.....	14
3 External interface requirement (Screens)	15
3.1 Screen-1: View & Feedback Handling.....	15
3.2 Screen-2: Emergency Response	16
3.3 Screen-3: Schedule Appointments	17
3.4 Screen-4: Access Patient Records	18
3.5 Screen-5: View Billing Details	19
4 Database design	20
4.1 List of Tables	20
5 Stories and Scenario	22

5.1	Story-1: Schedule Appointments.....	22
5.1.1	Scenario# S1.1	22
5.1.2	Scenario# S1.2	22
5.1.3	Scenario# S1.3	22
5.2	Story-2: Pay Bills Online.....	23
5.2.1	Scenario# S2.1	23
5.2.2	Scenario# S2.2	23
5.3	Story-3: View & Handling Feedback	23
5.3.1	Scenario# S3.1	24
5.3.2	Scenario# S3.2	24
6	Test cases	25
7	References.....	28

List of Figures

Figure 2.1-1 Use case diagram for hospital management system	4
Figure 2.1-2 Use case diagram for hospital management system	5
Figure 2.2-1 Activity diagram for payment	6
Figure 2.2-2 Activity diagram for Book appointment.....	7
Figure 2.2-3 Swimlane diagram for Book appointment.....	8
Figure 2.3-1 Sequence diagram for Book appointment.....	9
Figure 2.3-2 Sequence diagram for check bed availability.....	10
Figure 2.4-1 State diagram of Book.....	11
Figure 2.5-1 Class diagram for Library management system	12
Figure 2.6-1 Context diagram for hospital management system.....	13
Figure 3.1-1 Screen-1: View Feedback	15
Figure 3.2-1 Screen-2: Emergency Response	16
Figure 3.3-1 Screen-3: Schedule Appointment	17
Figure 3.4-1 Screen-4: Access Patient Records	18
Figure 3.5-1 Screen-5: Billing Details.....	19

List of Tables

Table 3.1-1 Screen element of View Feedback	15
Table 3.2-1 Screen element of Emergency Response	16
Table 3.3-1 Screen element of Schedule Appointments	18
Table 3.4-1 Screen element of Access Patient Records	18
Table 3.5-1 Screen element of View Billing Details.....	19
Table 4.1-1 Table: Doctor	20
Table 4.1-2 Table: Patient	20
Table 4.1-3 Table: Staff/Nurse	20
Table 4.1-4 Table: Appointment.....	21
Table 4.1-5 Table: Bill	21

1 Introduction

1.1 Purpose

The purpose of this document is to define the Software Requirements Specification (SRS) for the **Hospital Management System (HMS)**. This system is designed to streamline the operations and management of hospitals by automating various administrative and patient-care processes. It provides a centralized platform for managing patient information, appointments, medical records, billing, inventory, and staff details, ensuring efficiency and improved patient care.

This document serves as a reference for stakeholders, including system developers, testers, hospital management, and end-users, to ensure a common understanding of the system's functionality and performance.

1.2 Scope

The **Hospital Management System (HMS)** is a web-based application aimed at managing hospital operations in a digital and efficient manner. It is designed to handle patient registration, appointment scheduling, medical records storage, billing and invoicing, staff management, and inventory control.

The system will serve various users such as hospital administrators, doctors, nurses, and patients, with role-based access to ensure data security and privacy. HMS is intended to reduce paperwork, improve resource utilization, and enhance the overall quality of healthcare services.

The scope of this project includes:

- **Patient Management:** Registration, appointment scheduling, and medical record tracking.
- **Billing and Payments:** Generation of invoices, online payment integration, and financial reporting.
- **Inventory Management:** Tracking and managing medical supplies and equipment.
- **Staff Management:** Employee details, scheduling, and role assignments.

The system will be developed using a user-friendly interface and scalable architecture to accommodate future enhancements.

1.3 Intended Audience and Reading Suggestions

This document is intended for:

- **Developers:** To understand the technical requirements and system features for implementation.
- **Testers:** To define testing criteria and ensure the system meets functional and non-functional requirements.

- **Hospital Management and Stakeholders:** To provide insights into system functionality and evaluate its alignment with business needs.
- **End Users:** To understand the operational capabilities of the system.

1.4 Definitions, Acronyms, and Abbreviations

- **HMS:** Hospital Management System
- **EMR:** Electronic Medical Records
- **API:** Application Programming Interface
- **UI/UX:** User Interface/User Experience
- **Admin:** System Administrator

1.5 Functional Requirements

1.5.1 Administrative

- **View & Handling Feedback:** Review and address patient feedback submitted through the system.
- **Add Billing:** Generate, update, and finalize bills for patient services.
- **User Account Creation:** Create user accounts for staff, doctors, and patients with role-based permissions.
- **Modify User Permissions:** Update user roles and access rights when needed.
- **Generate Reports:** Produce detailed reports on hospital operations, including financial and staff performance summaries.
- **Event Scheduling:** Schedule hospital-wide events or meetings and notify relevant users.
- **Monitor System Logs:** Access detailed logs for all system activities, such as billing, user actions, and updates.

1.5.2 Receptionist

- **Schedule Appointments:** Book, reschedule, or cancel patient appointments based on availability.
- **Verify Patient Identity:** Confirm patient identity during registration or appointment check-ins.
- **Check Doctor Availability:** Display doctors' schedules for easy slot allocation.
- **Issue Patient ID:** Generate unique identification numbers for new patients.
- **Print Receipts:** Provide printed or digital receipts for payments and services.

1.5.3 Doctor

- **Access Patient Records:** View comprehensive patient details, including medical history and previous visits.
- **Update Treatment Plans:** Add or modify treatment strategies, including medications and lifestyle recommendations.
- **Request Diagnostic Tests:** Order lab tests and set priorities based on patient conditions.
- **Prescribe Medications:** Create digital prescriptions specifying dosage and frequency.
- **Record Progress Notes:** Add detailed progress notes for patients undergoing long-term care.
- **Refer Specialists:** Generate referral documents for patients requiring specialized treatment.

1.5.4 Staff/Nurse

- **Emergency Response:** Record emergency cases, including vital signs and immediate care actions.
- **Record Patient Vitals:** Log and update vital signs like blood pressure, heart rate, and oxygen levels.
- **Bed Assignment:** Allocate hospital beds for admitted patients and manage ward assignments.

- **Medication Administration:** Confirm and document administered doses of prescribed medicines.
- **Support Discharge Process:** Assist in preparing discharge summaries and coordinating patient releases.

1.5.5 Patient

- **View Billing Details:** Access itemized bills for treatments, consultations, and tests.
- **Pay Bills Online:** Use integrated payment gateways for settling bills securely.
- **View Notifications:** Receive updates on upcoming appointments, test results, or doctor availability.
- **Access Medical Records:** View historical data, including prescriptions and diagnostic reports.
- **Submit Feedback:** Share feedback on services and care received at the hospital.
- **Track Appointment Status:** Check the confirmation or cancellation status of booked appointments.

1.5.6 Pharmacist

- **Process Prescriptions:** Retrieve and dispense medications based on electronic prescriptions.
- **Update Stock Levels:** Log changes in inventory, including newly received or dispensed medicines.
- **Receive Restock Alerts:** Get notified when stock levels fall below a predefined threshold.
- **Track Expiry Dates:** Maintain a record of medicines nearing expiration for timely action.
- **Generate Sales Records:** Create daily, weekly, and monthly summaries of issued medications.

1.6 Non-Functional Requirement

1.6.1 Usability:

- The UI should be simple enough for everyone to understand and get the relevant information without any special training. Different languages can be provided based on the requirements.

1.6.2 Accuracy:

- The data stored about the books and the fines calculated should be correct, consistent, and reliable.

1.6.3 Availability:

- The System should be available for the duration when the library operates and must be recovered within an hour or less if it fails. The system should respond to the requests within two seconds or less.

1.6.4 Maintainability:

- The software should be easily maintainable and adding new features and making changes to the software must be as simple as possible. In addition to this, the software must also be portable.

2 Design and Implementation Constraints

2.1 Use case diagram

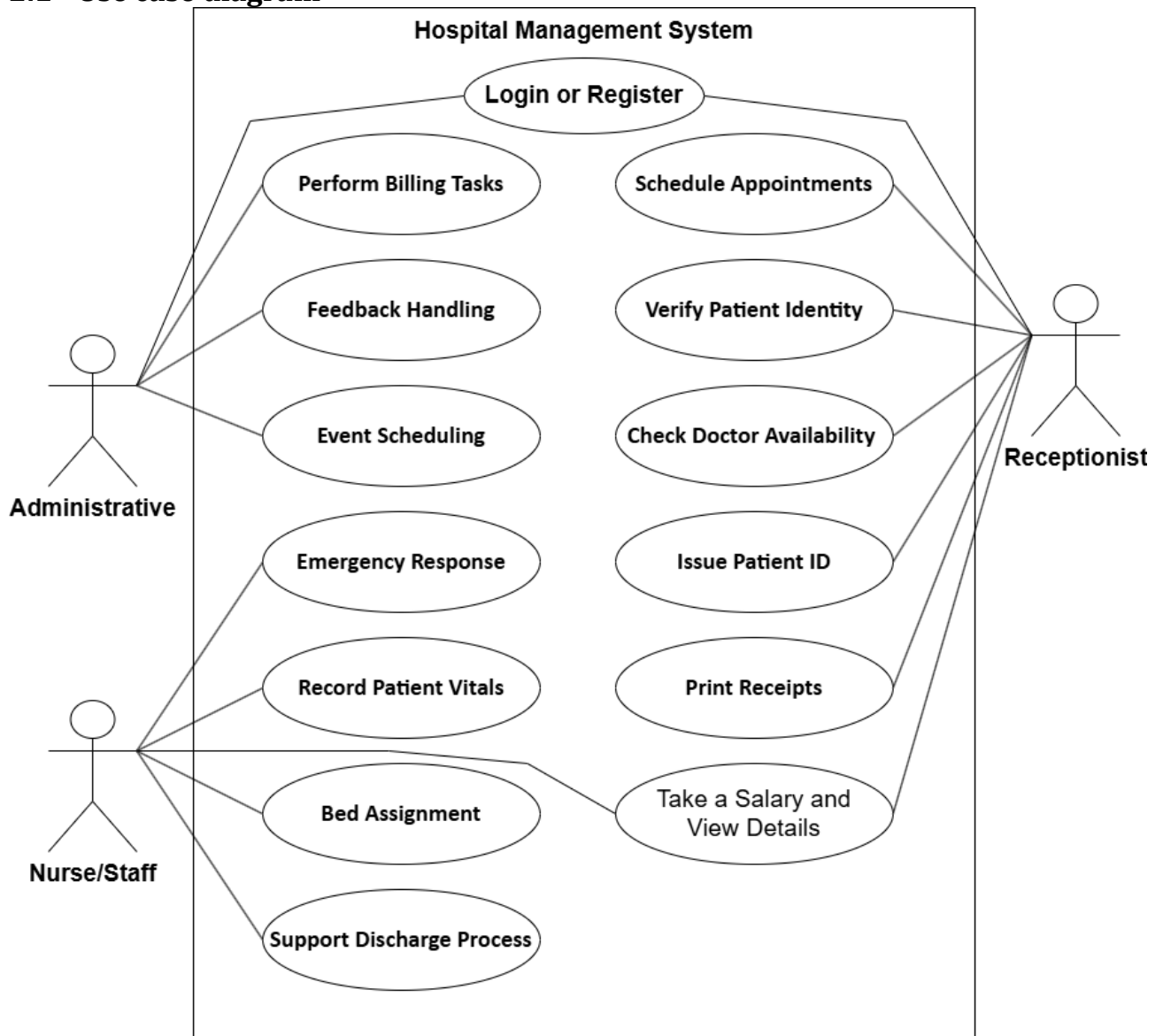


Figure 2.1-1 Use case diagram for hospital management system

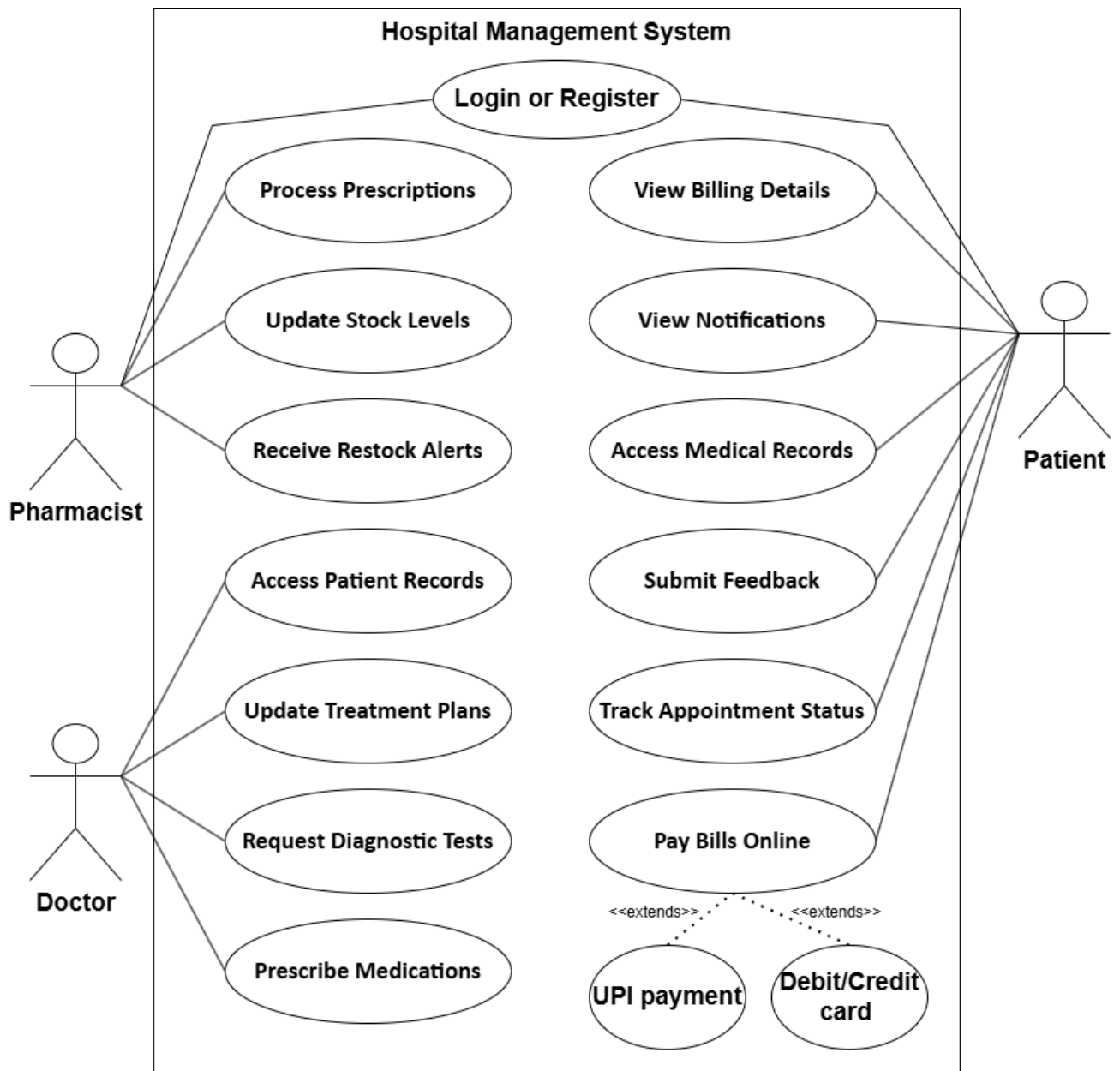


Figure 2.1-2 Use case diagram for hospital management system

2.2 Activity diagram and Swimlane diagram

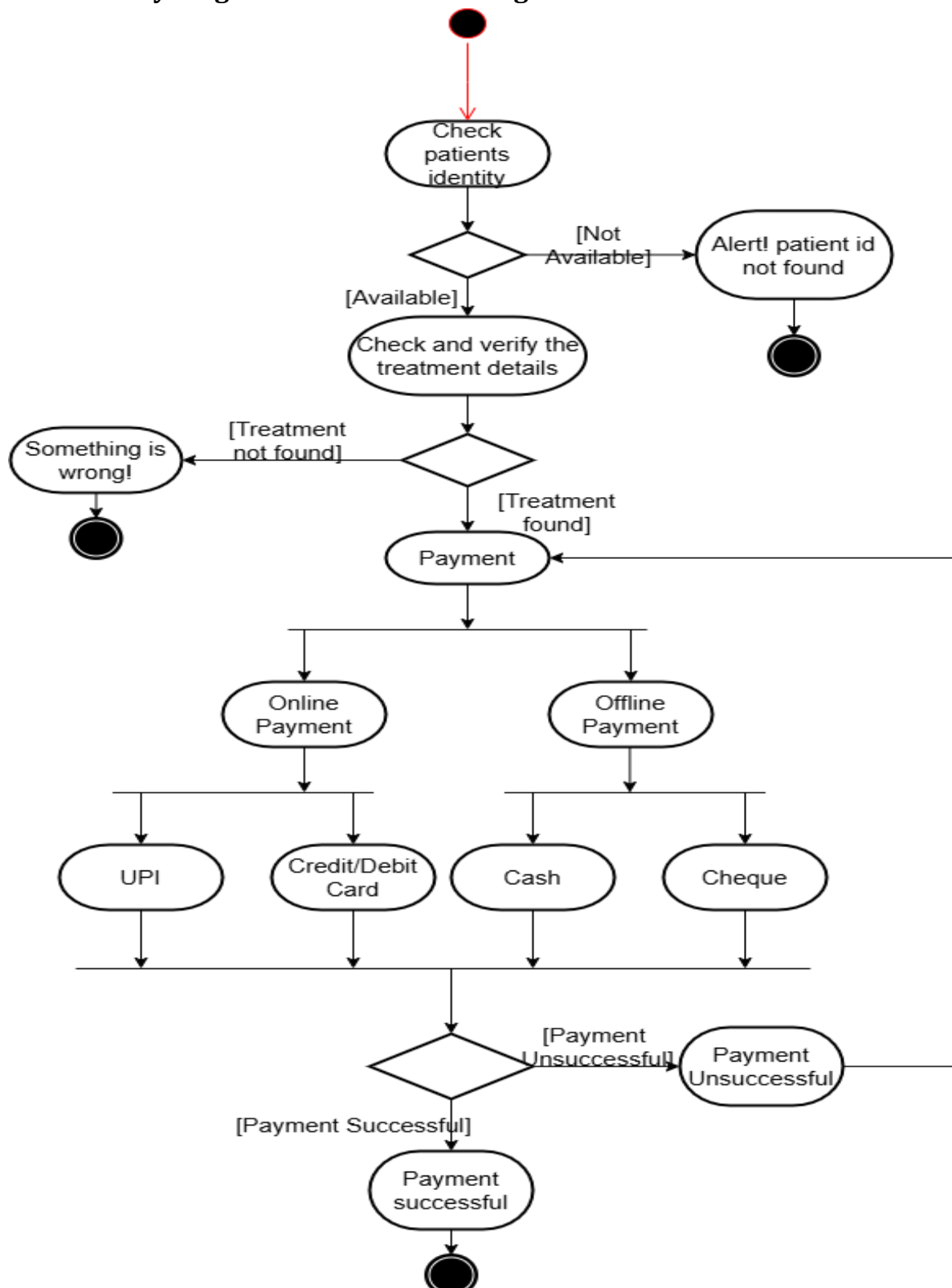


Figure 2.2-1 Activity diagram for payment

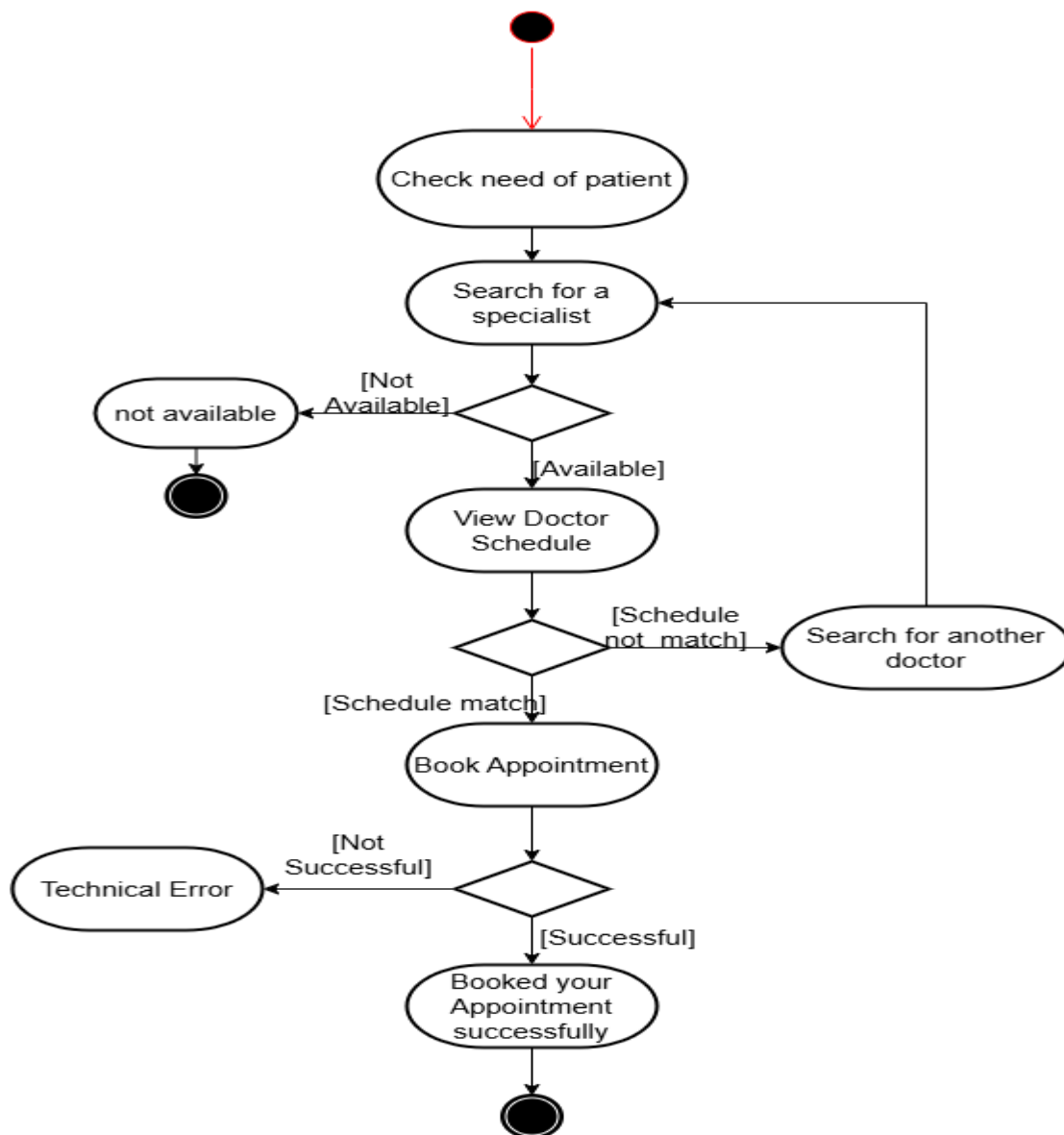


Figure 2.2-2 Activity diagram for Book appointment

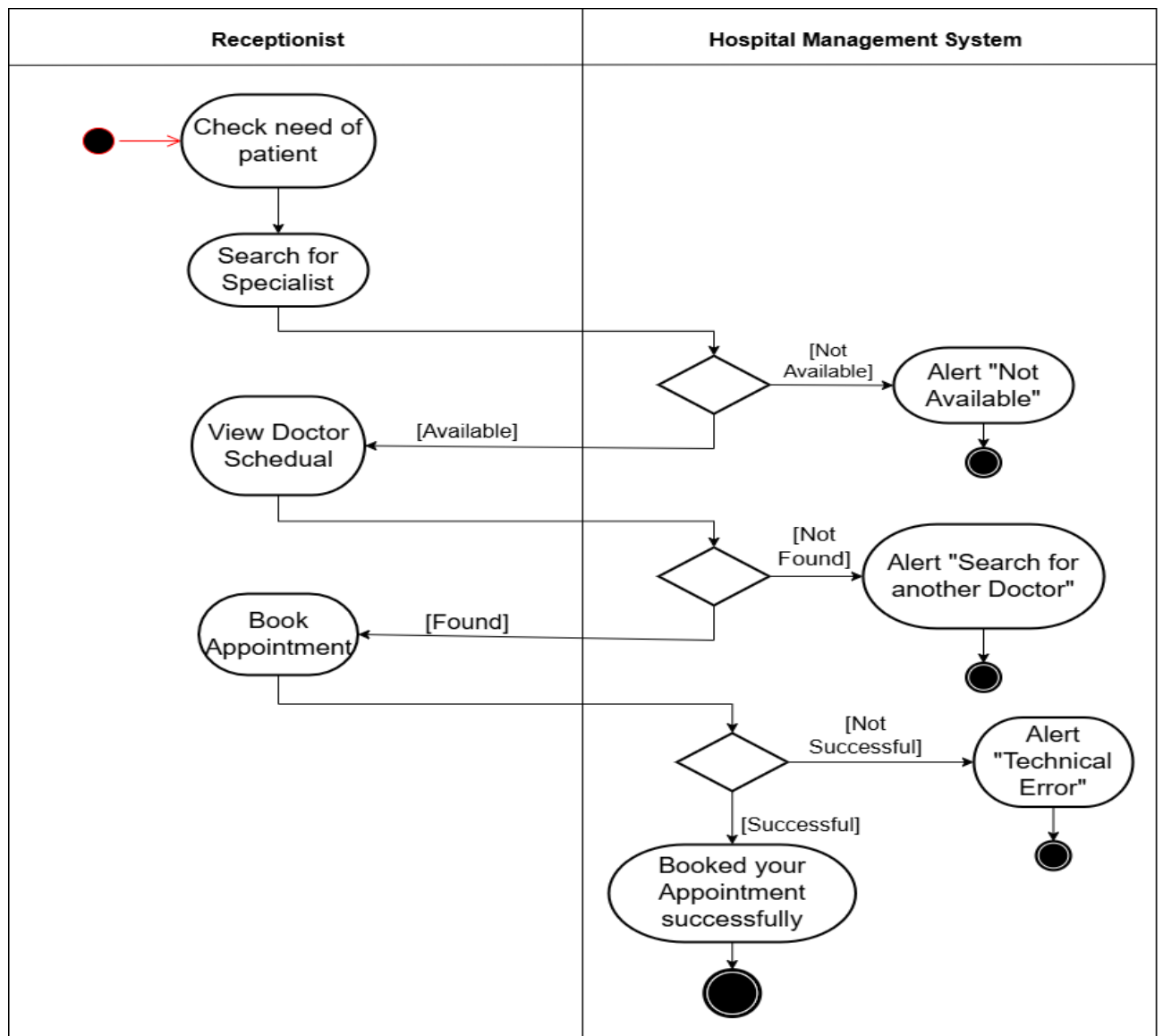


Figure 2.2-3 Swimlane diagram for Book appointment

2.3 Sequence diagram

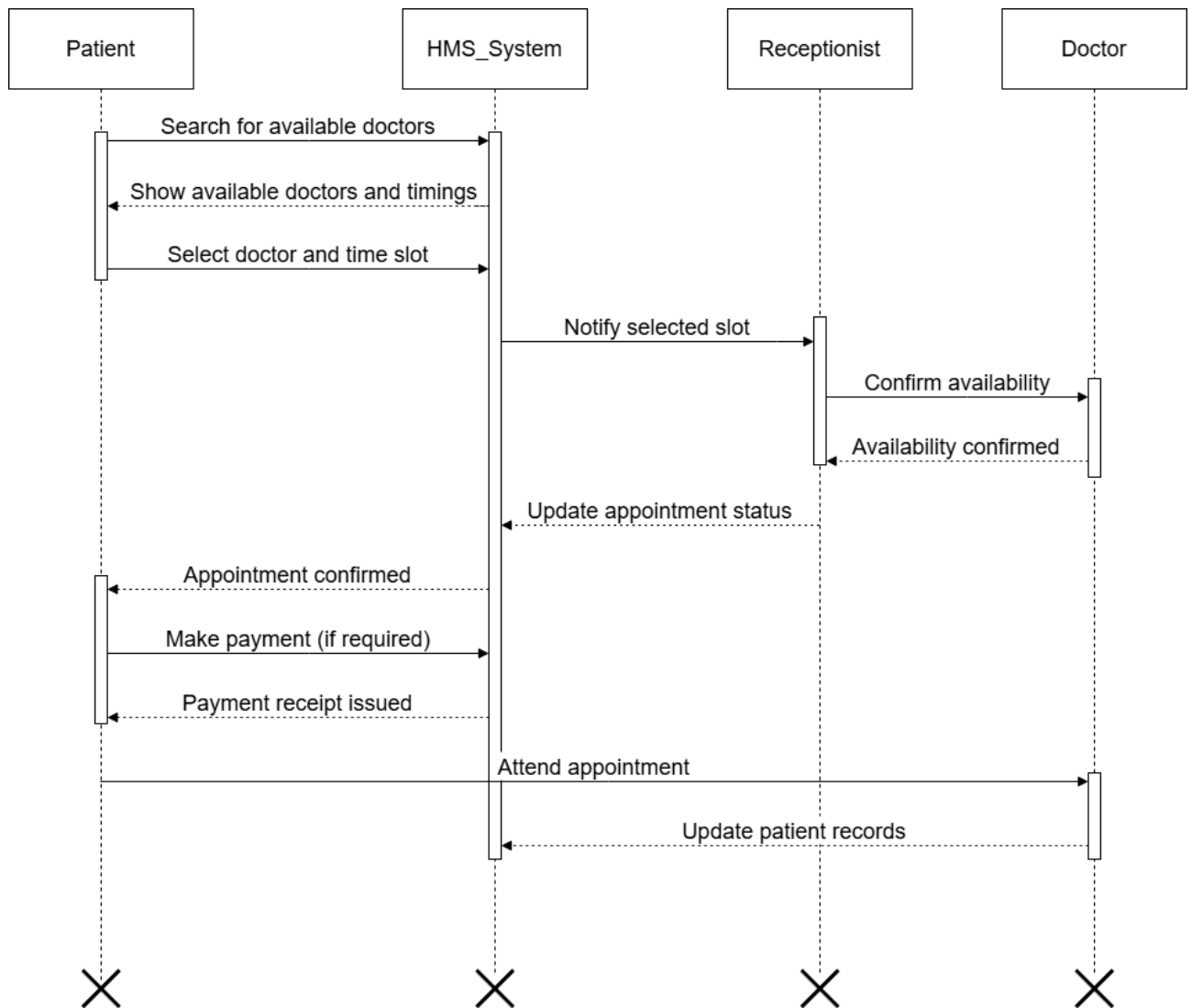


Figure 2.3-1 Sequence diagram for Book appointment

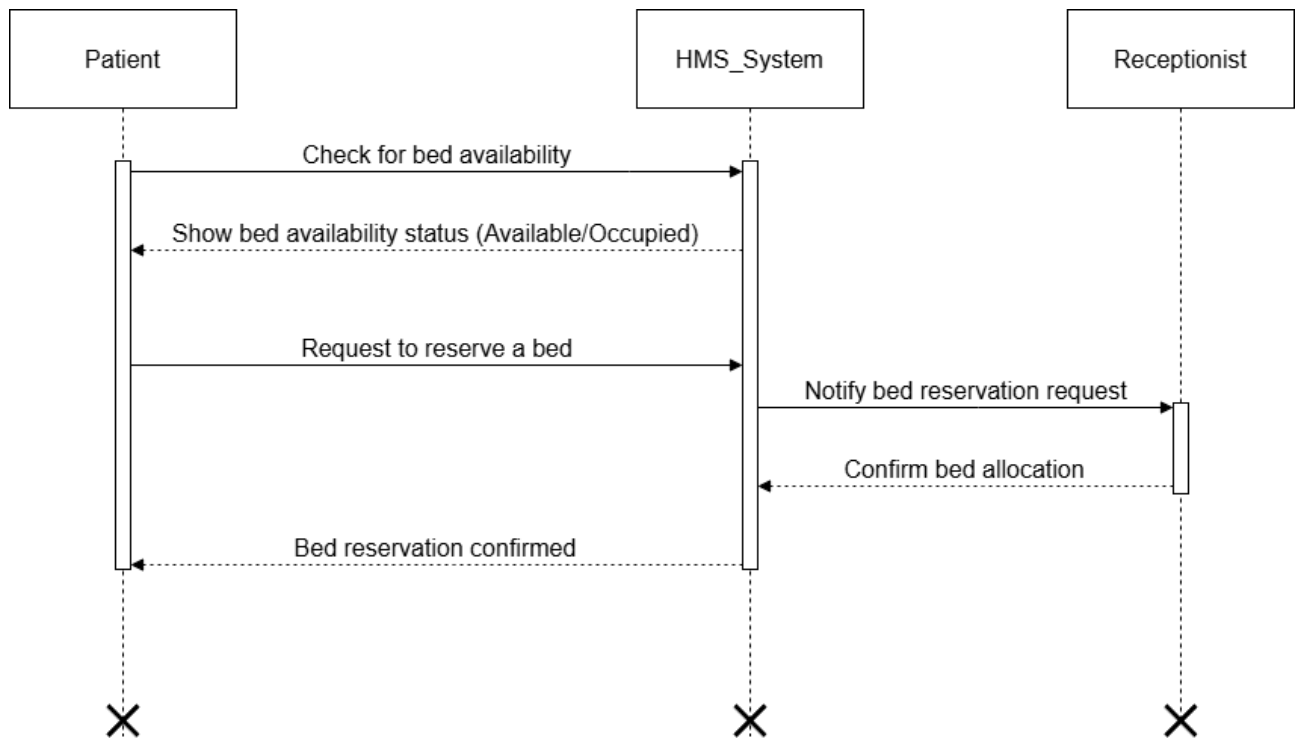


Figure 2.3-2 Sequence diagram for check bed availability

2.4 State diagram

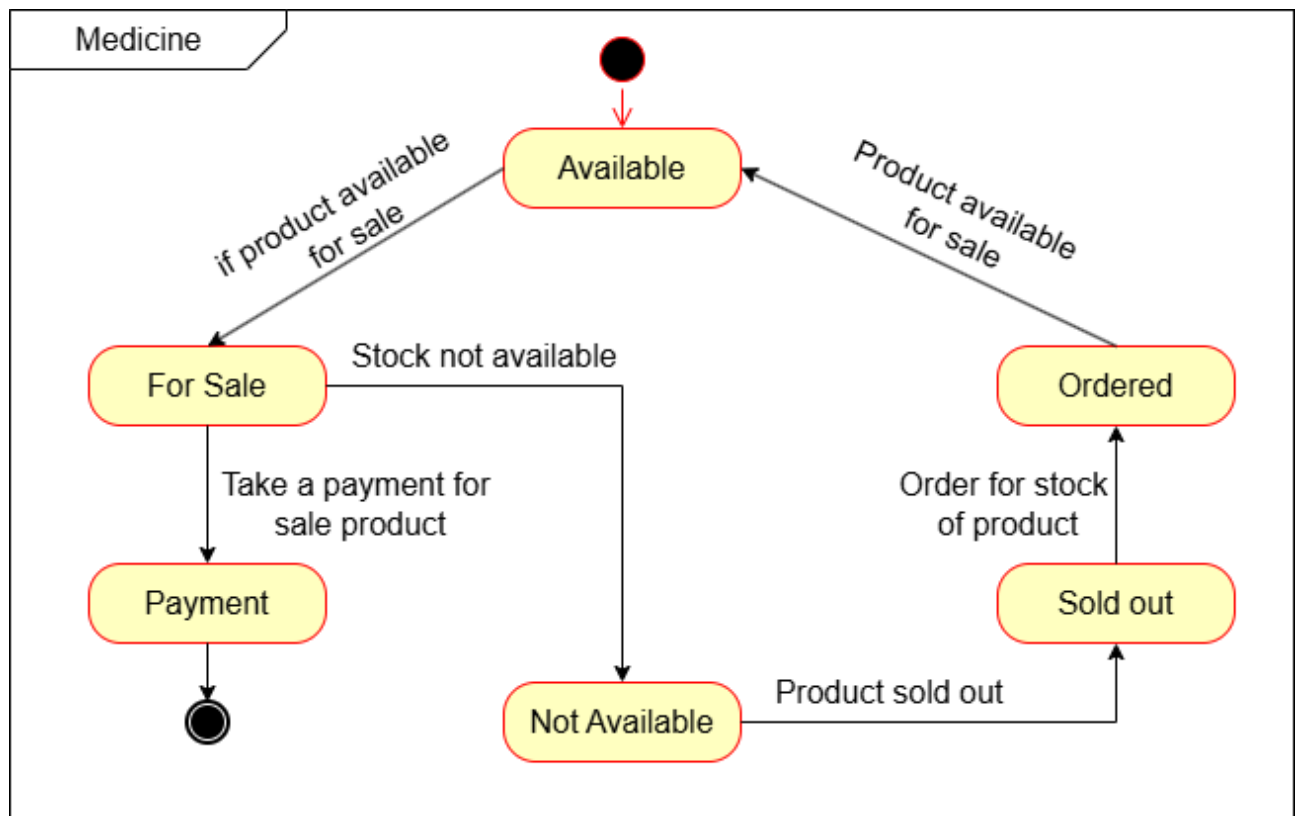


Figure 2.4-1 State diagram of Book

2.5 Class diagram

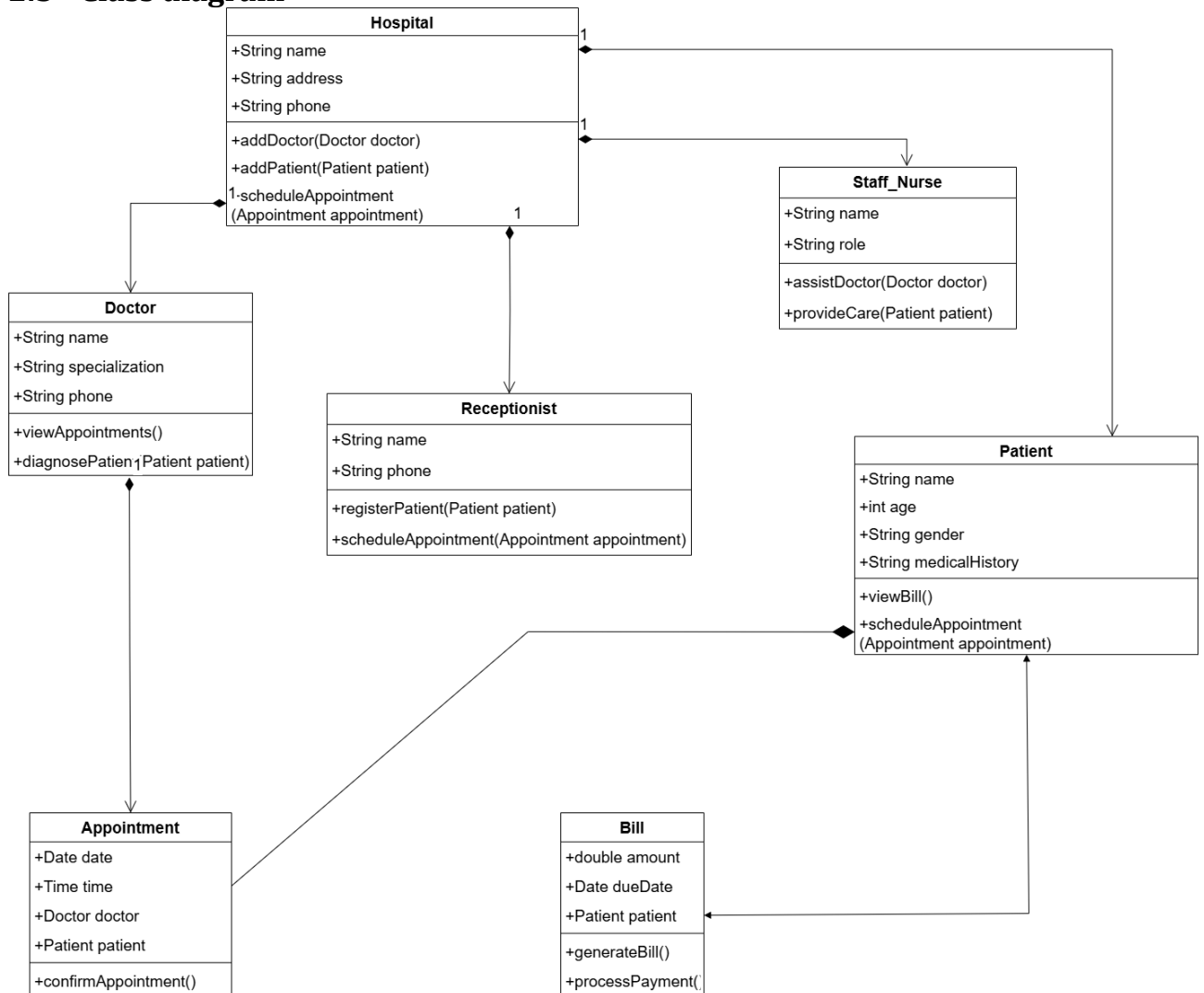


Figure 2.5-1 Class diagram for Library management system

2.6 Data flow diagram

2.6.1 Context diagram (level-0)

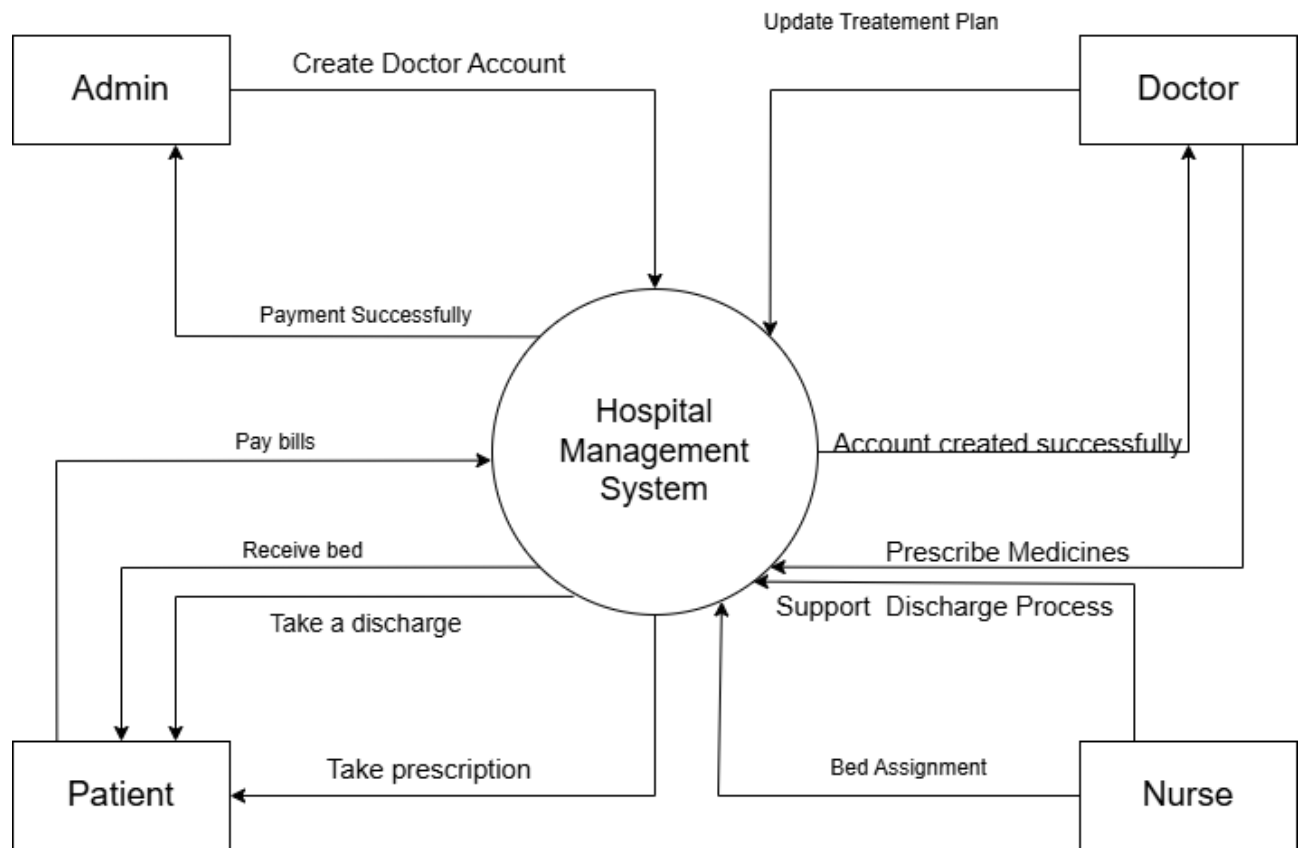


Figure 2.6-1 Context diagram for hospital management system

2.6.2 DFD Level-1

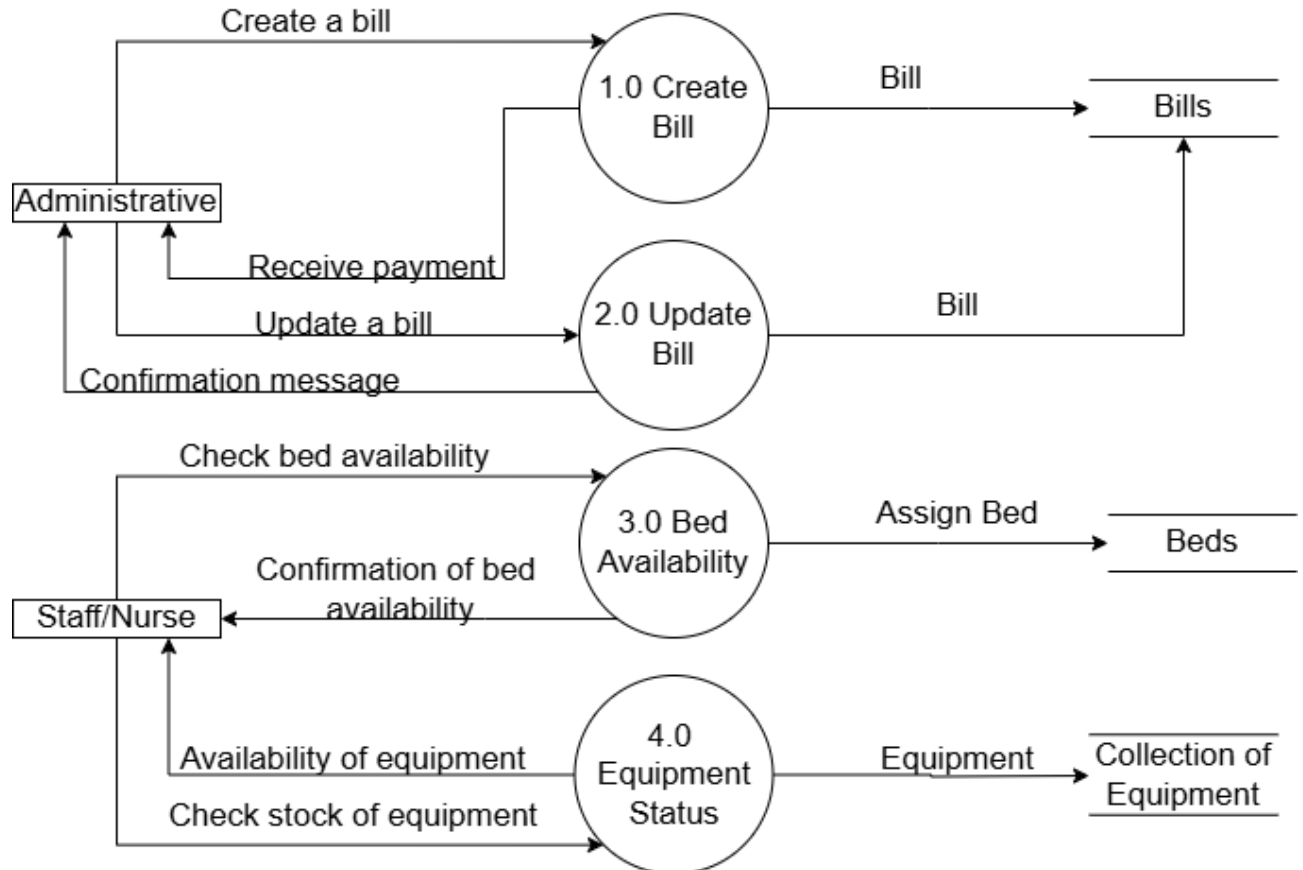


Figure 2.6-2 DFD level-1 for Library management system

3 External interface requirement (Screens)

3.1 Screen-1: View & Feedback Handling

View Feedback

Review and address patient feedback submitted through the system.

John Doe

"The service at the hospital was excellent! The staff was very attentive and caring. Thank you!"

Mark as Addressed
Delete

Jane Smith

"I had to wait longer than expected for my appointment. Please consider improving the scheduling system."

Mark as Addressed
Delete

Emily Brown

"The facilities were clean, and the doctor explained everything thoroughly. Great experience!"

Mark as Addressed
Delete

Figure 3.1-1 Screen-1: View Feedback

Purpose: Enables reviewing and addressing patient feedback to improve service quality.

Table 3.1-1 Screen element of View Feedback

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Header (View Feedback)	Text	M	1	Displays the page title and description.
2	Feedback List	Container	M	1	Displays a list of patient feedback items.
3	Feedback Item (Name)	Text	M	1	Displays the name of the patient providing feedback.
4	Feedback Item (Message)	Text	M	1	Displays the feedback message from the patient.
5	Mark as Addressed Button	Button	M	1	Button to mark feedback as addressed.
6	Delete Button	Button	M	1	Button to delete feedback.

3.2 Screen-2: Emergency Response

Emergency Response

Patient Name

Age

Gender

Select Gender
▼

Vital Signs

Enter vital signs (e.g., blood pressure, pulse, etc.)

Immediate Care Actions

Describe immediate care actions taken

Save Record

Figure 3.2-1 Screen-2: Emergency Response

Purpose: Records and manages emergency cases, including vital signs and immediate care actions.

Table 3.2-1 Screen element of Emergency Response

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Patient Name	Textbox	M	1	This field is for users to input the patient's name.
2	Age	Number	M	1	Users input the patient's age, typically used for identification and medical purposes.
3	Gender	Dropdown	M	1	A dropdown to select the patient's gender (Male, Female, or Other).
4	Vital Signs	Textarea	M	1	A textarea to input vital signs like blood pressure, pulse, etc.
5	Immediate Care Actions	Textarea	M	1	A textarea to describe immediate care actions taken for the patient.
6	Save Record	Button			For save above information

3.3 Screen-3: Schedule Appointments

Schedule Appointments

Patient Name:

Date:

Time:

[Book Appointment](#)

Upcoming Appointments

Patient: John Doe
Date: 2025-01-30
Time: 10:00 AM

[Reschedule](#) [Cancel](#)

Patient: Jane Smith
Date: 2025-02-01
Time: 2:00 PM

[Reschedule](#) [Cancel](#)

Figure 3.3-1 Screen-3: Schedule Appointment

Purpose: Facilitates booking, rescheduling, or canceling patient appointments based on availability.

Table 3.3-1 Screen element of Schedule Appointments

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Patient Name	Text Input	M	1	Field to enter the name of the patient for the appointment.
2	Date	Date Picker	M	1	Allows the user to select the date for the appointment.
3	Time	Time Picker	M	1	Allows the user to select the time for the appointment.
4	Book Appointment Button	Button	M	1	Submits the entered information to book an appointment.
5	Upcoming Appointments	Section Header	M	1	Displays the list of upcoming appointments for patients.
6	Appointment Card	Display	O	N	A card displaying details (Patient Name, Date, Time) for each appointment.
7	Reschedule Button	Button	O	N	Button to reschedule the selected appointment.
8	Cancel Button	Button	O	N	Button to cancel the selected appointment.

3.4 Screen-4: Access Patient Records

Figure 3.4-1 Screen-4: Access Patient Records

Purpose: Provides access to comprehensive patient details, including medical history and previous visits.

Table 3.4-1 Screen element of Access Patient Records

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Patient Records Header	Header	M	1	Header for the patient records section.
2	Patient Card (John Doe, Jane Smith, etc.)	Card	M	N	Card displaying the details of each patient.
3	View Full Details Button	Button	O	N	Button to view more detailed information about the patient.
4	Add New Patient Button	Button	M	1	Button to add a new patient record.
5	Patient Details (Age, Gender, Last Visit, Medical History)	Display	O	N	Displays patient-specific details like age, gender, last visit, and medical history.

3.5 Screen-5: View Billing Details

Billing Details		
Item	Description	Amount (USD)
Treatment	General Consultation	50.00
Test	Blood Test	30.00
Treatment	X-Ray	100.00
Test	COVID-19 Test	75.00
Total		255.00

Back

Figure 3.5-1 Screen-5: Billing Details

Purpose: Displays itemized bills for treatments, consultations, and tests for transparency.

Table 3.5-1 Screen element of View Billing Details

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Header 'Billing Details'	Text Display	M	1	Displays the title of the billing details screen.
2	Table Header 'Item'	Text Display	M	1	Header of the table showing the type of item (e.g., Treatment, Test).
3	Table Header 'Description'	Text Display	M	1	Header of the table showing the description of the item.
4	Table Header 'Amount (USD)'	Text Display	M	1	Header of the table showing the amount in USD.
5	Table Rows (Items)	Text Display	M	N	Displays rows for items, descriptions, and amounts.
6	Total Row	Text Display	M	1	Displays the total amount of all the items.
7	'Back' Button	Button	M	1	Button to navigate back to the previous screen.

4 Database design

4.1 List of Tables

- Doctor
- Patient
- Staff/Nurse
- Appointment
- Bill

Table 4.1-1 Table: Doctor

Column	Data Type	Null	Keys & Constrains	Default Value & Description
DoctorID	int	AN	PK (Auto Increment)	Unique Identifier for each patient.
Name	int	NN		Name of the patients
Specializations	varchar(100)	NN		Specialization field of the doctor
Qualification	varchar(100)	AN		Qualifications of the doctor
Department	varchar(10)	NN		Department doctor belongs to
Salary	decimal	NN		Salary of the doctor

Table 4.1-2 Table: Patient

Column	Data Type	Null	Keys & Constrains	Default Value & Description
PatientID	int	NN	PK (Auto Increment)	Unique Identifier for each patient.
Name	varchar(100)	NN		Name of the patient
Contact	number(10, 0)	AN		Contact information of patient
Email	varchar(20)	NN	UNIQUE	Email address of the patient
Address	varchar(100)	AN		Home address of the patient
DOB	Date	NN		Date of the birth of the patient
Age	int	AN		Age of the patient
Gender	varchar(100)	NN		Gender of the patient
Medical History	varchar(255)	AN		Medical History of the patient

Table 4.1-3 Table: Staff/Nurse

Column	Data Type	Null	Keys & Constrains	Default Value & Description
StaffID	int	NN	PK (Auto Increment)	Unique identifier for each staff
Name	varchar(100)	AN		Name of the Staff
DoctorID	int	AN	FK	Reference to Doctor Table
Department	varchar(10)	AN		Department the staff belongs
Salary	decimal	NN		Salary of the staff

Table 4.1-4 Table: Appointment

Column	Data Type	Null	Keys & Constrains	Default Value & Description
AppoinmentID	int	NN	PK (Auto Increment)	
PatientName	varchar(100)	NN		
Gender	varchar(100)	AN		
Date	DateTime	AN		
Department	varchar(100)	NN		
Contact	number(10,0)	AN		

Table 4.1-5 Table: Bill

Column	Data Type	Null	Keys & Constrains	Default Value & Description
BillID	int	NN	PK (Auto Increment)	
PatientID	Int	NN	FK	Reference to Patient Table
PatientName	varchar(100)	NN		
Gender	varchar(100)	AN		
Date	DateTime	NN		
Amount	decimal	NN		
Contact	number(10,0)	AN		

5 Stories and Scenario

5.1 Story-1: Schedule Appointments

Story # S1	: As a Patient, I want to make an appointment with a doctor at specific date and time So that I can receive timely medical attention
Priority	: High
Estimate	: XL
Reason	: Booking appointments is critical for managing the patient flow and ensuring timely medical consultations.

5.1.1 Scenario# S1.1

Scenario# S1.1	: Booking an Appointment with Valid Information.
Prerequisite	: The patient is logged into the hospital management system.
Acceptance Criteria	Given: The patient is on the appointment booking page. When: The patient selects a doctor from the list. The patient chooses a valid appointment date and time. The patient clicks the “Confirm Appointment” button.. Then: The system successfully schedules the appointment, and the patient receives a confirmation message with the appointment details (doctor’s name, time, and reference number).

5.1.2 Scenario# S1.2

Scenario# S1.2	: Appointment Slot Not Available
Prerequisite	: The patient is logged into the hospital management system.
Acceptance Criteria	Given: The patient selects a doctor and tries to book an appointment. When: The chosen date and time slot is already taken by another patient and there is no slot left. Then: The system displays an error message informing the patient that the slot is unavailable and suggests alternative dates and times.

5.1.3 Scenario# S1.3

Scenario# S1.3	: Booking an Appointment with Missing Information
Prerequisite	: The patient is logged into the hospital management system.
Acceptance Criteria	Given: The patient is on the appointment booking page. When: The patient does not fill in all the required fields (e.g., doctor, date, time). The patient clicks the “Confirm Appointment” button. Then: The system displays an error message prompting the patient to complete the missing information before proceeding.

5.2 Story-2: Pay Bills Online

Story # S2	:	As a Patient, I want to pay for my medical consultation So that I can complete the appointment
Priority	:	High
Estimate	:	M
Reason	:	Payments must be processed efficiently to ensure smooth booking and prevent delays in providing healthcare services.

5.2.1 Scenario# S2.1

Scenario# S2.1	:	Successful Payment with Valid Card Details
Prerequisite	:	The patient has booked an appointment and is on the payment page.
Acceptance Criteria	:	<p>Given: The patient has entered valid payment information, including card details (card number, expiration date, CVV).</p> <p>When: The patient clicks the “Pay” button and procedure regarding payment starts.</p> <p>Then: The system processes the payment, deducts the amount, and displays a confirmation message with the payment reference number and appointment details.</p>

5.2.2 Scenario# S2.2

Scenario# S2.2	:	Payment with Missing or Invalid Card Information
Prerequisite	:	The patient has booked an appointment and is on the payment page.
Acceptance Criteria	:	<p>Given: The patient has not entered complete or valid card details (e.g., incorrect card number, expired card).</p> <p>When: The patient clicks the “Pay” button and payment procedure does. Not start due to invalid card information.</p> <p>Then: The system displays an error message highlighting the incorrect or missing information and instructs the patient to correct the details before retrying.</p>

5.3 Story-3: View & Handling Feedback

Story # S3	:	As an Admin, I want to view, manage, and respond to patient feedback, So that I can address concerns, improve service quality, and ensure patient satisfaction.
Priority	:	High
Estimate	:	L
Reason	:	Managing patient feedback helps improve healthcare services and maintain quality assurance.

5.3.1 Scenario# S3.1

Scenario# S2.1	: Viewing Patient Feedback.
Prerequisite	: The admin is logged into the hospital management system.
Acceptance Criteria	<p>Given: The admin navigates to the feedback management page.</p> <p>When: The admin selects a specific patient or appointment from the feedback list.</p> <p>The system retrieves and displays the feedback, including the patient's comments and ratings.</p> <p>Then: The admin can successfully view the feedback details.</p>

5.3.2 Scenario# S3.2

Scenario# S2.2	: Responding to Feedback.
Prerequisite	: The admin is logged into the hospital management system.
Acceptance Criteria	<p>Given: The admin is on the feedback management page and has selected a feedback entry.</p> <p>When: The admin types a response addressing the patient's concern or appreciation.</p> <p>The admin clicks the "Send Response" button.</p> <p>Then: The system successfully records and sends the response to the patient, notifying them of the reply.</p>

6 Test cases

Project Name:	Hospital Management System	Test Designed by:	R. A. Savaliya
Module Name:	Appointment Booking	Test Designed date:	01-10-2023
Release Version:	1.0	Test Executed by:	R. B. Gondaliya
		Test Execution date:	15-01-2023

Pre-condition: The user should have the necessary permissions to book, reschedule, or cancel an appointment.

Test Case ID	Test Title	Test Type	Description	Test Case ID
TC_001	Schedule an appointment with valid details	Functional	Verify that a user can successfully schedule an appointment by providing a valid patient name, date, and time.	TC_001
TC_002	Reschedule an existing appointment	Functional	Verify that the user can successfully reschedule an appointment to a new date and time.	TC_002

Test Case Title	Schedule an appointment with valid details
Test Type	Functional
Test Priority	Medium
Pre-condition	The user should have the necessary permissions to book, reschedule, or cancel an appointment.

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	BUG ID
1	Open the appointment scheduling page	The page should load successfully with all input fields visible	Page loaded successfully	Pass		URL of the appointment page	-
2	Enter valid patient name, date, and time	System should allow input and accept valid details	Input accepted successfully	Pass		Patient: John Doe, Date: 2025-02-15, Time: 10:00 AM	-
3	Click on the "Book Appointment" button	Appointment should be booked and saved in the system	Appointment successfully booked	Pass		-	-
4	Verify the appointment appears in the "Upcoming Appointments" list	The booked appointment should be visible with correct details	Appointment is listed correctly	Pass		Displayed: John Doe, 2025-02-15, 10:00 AM	-

Test Case Title	Reschedule an existing appointment
Test Type	Functional
Test Priority	Medium
Pre-condition	The user should have the necessary permissions to book, reschedule, or cancel an appointment.

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Open the "Upcoming Appointments" section	The list should display all scheduled appointments	Appointments are visible	Pass		-	-
2	Click on the "Reschedule" button for an existing appointment	The system should allow editing the appointment date and time	Reschedule option enabled	Pass		-	-
3	Select a new date and time for the appointment	The system should accept the new date and time	New date and time accepted	Pass		New Date: 2025-02-20, Time: 2:00 PM	-
4	Verify that the rescheduled appointment appears with updated details	The new date and time should be reflected in the appointment list	Appointment updated successfully	Pass	Check displayed details match the rescheduled data	Displayed: John Doe, 2025-02-20, 2:00 PM	-

Project Name:	Hospital Management System	Test Designed by:	R. A. Savaliya
Module Name:	Patient Details	Test Designed date:	01-10-2023
Release Version:	1.0	Test Executed by:	R. B. Gondaliya
		Test Execution date:	15-01-2023

Pre-condition: User should have the necessary permissions to view and add patient records.

Test Case ID	Test Title	Test Type	Description	Test Case ID
TC_001	Verify Viewing Patient Details	Functional	Ensures patient details are displayed correctly when viewing full details.	TC_001
TC_002	Verify Adding a New Patient	Functional	Checks if a new patient can be added successfully and appears in the records list.	TC_002

Test Case Title	Verify Viewing Patient Details
Test Type	Functional
Test Priority	Medium
Pre-condition	User should have the necessary permissions to view and add patient records..

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	BUG ID
1	Open the Patient Records page	The page should load successfully with all patient details visible	Page loaded successfully	Pass		-	-
2	Click on the "View Full Details" button for a patient	System should open a detailed view of the selected patient	Detailed view opened successfully	Pass		Patient: John Doe	-
3	Verify patient details (Name, Age, Gender, Last Visit, Medical History)	The details should match the displayed records	Details match correctly	Pass		John Doe, 35, Male, 12 Jan 2025, Hypertension, Diabetes	-
4	Navigate back to the Patient Records page	The page should return to the main records screen	Navigation successful	Pass		-	-

Test Case Title	Verify Adding a New Patient
Test Type	Functional
Test Priority	Medium
Pre-condition	User should have the necessary permissions to view and add patient records..

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Click on the "Add New Patient" button	The system should open a form to add a new patient	Form opened successfully	Pass	Ensure all input fields are present	-	-
2	Enter valid patient details (Name, Age, Gender, Last Visit, Medical History)	The system should accept the entered details	Input accepted successfully	Pass	Ensure valid inputs are entered	Name: Alex Brown, Age: 30, Gender: Male	-
3	Click on the "Save" or "Submit" button	The system should save the patient data and return to the main records screen	Patient record added successfully	Pass	Check if the new record is saved	-	-
4	Verify the newly added patient appears in the Patient Records list	The newly added patient should be listed with correct details	Patient record displayed correctly	Pass	Cross-check displayed details with input data	Alex Brown, 30, Male	-

7 References

- http://www.w3schools.com/html/html_intro.asp
- <https://www.w3schools.com/php/default.asp>
- <https://www.javatpoint.com/uml>