



# **Online Doctor Appointment Booking System**

BY

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A project submitted in partial fulfillment of the academic requirements for  
the Bachelor of Science degree in Software Engineering.

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### APPROVAL

This project titled on “Online Doctor appointment System”, submitted by **Md. Emran Karim (ID: 181-35-2426)** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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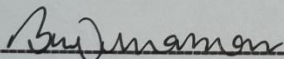
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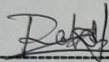


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## PROJECT DECLARATION

I hereby declare that, this project titled "**Online Doctor Appointment Booking System**" is done by me under the supervision of Khalid Been Md. Badruzzaman Biplob, Senior Lecturer, Department of Software Engineering, Daffodil International University, towards the partial fulfilments of my work. I also state that this project has not been submitted anywhere in the partial fulfilments for any degree of this or any other University.



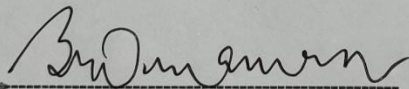
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## **ABSTRACT**

The Doctor Appointment Booking System aims to automate the existing manual process by utilizing computer software and a comprehensive range of computer equipment to meet all requirements. This system ensures that valuable data can be securely stored for extended periods while allowing for easy access and efficient management. With readily available and user-friendly hardware and software, this system enables users to focus on other important tasks rather than on manual record-keeping.

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# **CHAPTER-01 Overview**

## **1.1 General Outline**

This initiative focuses on developing a doctor-patient management system to facilitate online appointment scheduling. Patients can book slots with various doctors according to their preferences, while doctors can manage their available time slots efficiently. The system aims to streamline the appointment process, making it easier for patients to secure appointments and for doctors to handle their schedules.

## **1.2 Project Aim**

### **1.2.1 Context**

This web-based application is designed to manage appointment schedules for different types of doctors, allowing patients to book appointments at their convenience. The proposed system will enable users to make appointments with doctors based on their preferred dates and times, thereby improving the efficiency of the appointment process.

### **1.2.2 Impact & Recipients**

- **24/7 Availability:** Patients can book appointments at any time without the need for phone calls.
- **Increased Patient Attraction:** The convenience of online booking is likely to attract more patients.
- **Time-saving:** Reduces the time spent on scheduling appointments.

### **1.2.3 Targets**

- Facilitate the search for doctors and appointment booking.
- Develop a web-based system for booking appointments online.
- Efficiently manage patient-related information.

### **1.3 Interested Parties**

- Doctors
- Admins
- Patients

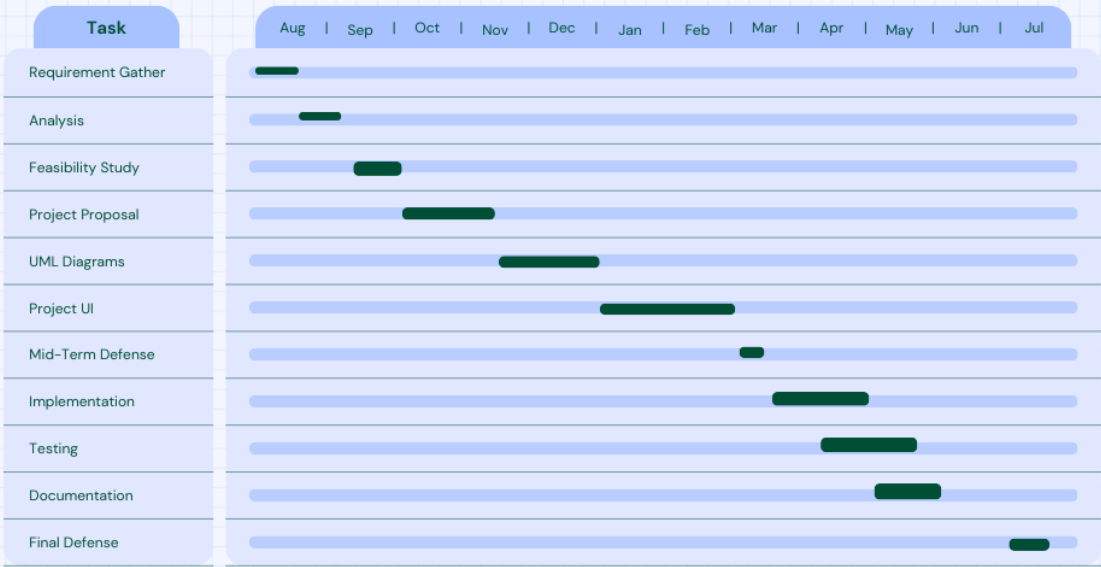
### **1.4 Timeframe**

The project schedule outlines the key objectives, tasks, and outputs, complete alongside scheduled start and completion dates. This includes phases such as requirement analysis, feasibility assessment, project plan, diagram creation User Interface development, mid-project review, execution, evaluation, reporting, and final project review.

#### **1.4.1 Task Timeline**

A project timeline chart is presented to visualize the project schedule, illustrating the work completed over specific periods in comparison to the planned timeline.

# Project Timeline: Gantt Chart



From: 2023-2024

## **1.5 Related Work**

The current project was inspired by existing online doctor appointment systems, which often feature user-friendly interfaces and efficient booking processes. Our project aims to incorporate these elements while addressing some of the shortcomings observed in other systems.

## **1.6 Problem Statement**

Creating a seamless and efficient system is crucial for user satisfaction. Challenges include accurately collecting user requirements, ensuring user authenticity, managing large databases, and designing a responsive, cross-platform user interface.

## **1.7 Proposed Solution**

The proposed solution involves developing a comprehensive doctor appointment booking system using integrated software to address the identified issues. The system will employ a model for data management and a responsive user interface using Bootstrap. The application will facilitate easy recording and access to information.

## **CHAPTER 2**

### **SYSTEM ANALYSIS**

#### **2.1 Core Features**

"System capabilities are essential for any system. For this system, the system capabilities are detailed below."

|                |                                                                        |
|----------------|------------------------------------------------------------------------|
| Requirement 01 | <b>Registration</b>                                                    |
| Summary        | Users must be able to register and authenticate themselves upon login. |
| Stakeholders   | Doctor, Patient                                                        |
| FR-02          | <b>Login</b>                                                           |
| Description    | Users must be authenticated upon logging into the system               |
| Stakeholders   | Doctor, Patient                                                        |
| FR-03          | <b>View Appointment</b>                                                |
| Description    | Users can view appointments at any time.                               |
| Stakeholders   | Doctor, Patient                                                        |
| FR-04          | <b>Search Doctor</b>                                                   |
| Description    | Users can search for doctors by name.                                  |
| Stakeholders   | Patient                                                                |

|             |                                                         |
|-------------|---------------------------------------------------------|
| FR-05       | <b>Manage Profile</b>                                   |
| Description | Users can update their profile information at any time. |

|              |                                                 |
|--------------|-------------------------------------------------|
| Stakeholders | Doctor, Patient                                 |
| FR-06        | <b>Approve Appointment</b>                      |
| Description  | Doctors can manage appointments made with them. |
| Stakeholders | Doctor                                          |
| FR-07        | <b>Patient Count</b>                            |
| Description  | Doctors can count all patient appointments.     |
| Stakeholders | Doctor                                          |
| FR-08        | <b>View Profile</b>                             |
| Description  | Users can view their profiles.                  |
| Stakeholders | Doctor, Patient                                 |
| FR-09        | <b>Booking Appointment</b>                      |
| Description  | Patients can book appointments easily.          |
| Stakeholders | Patient                                         |

## 2.2 Quality Attributes

|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| Quality Attribute-01 | <b>Security</b>                                                    |
| Detail               | The system must use token-based authentication to ensure security. |
| Priority             | Significant                                                        |
| Quality Attribute-02 | <b>Availability</b>                                                |
| Detail               | The system must ensure 24-hour accessibility.                      |

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Priority             | High                                                                          |
| NFR-03               | <b>Accuracy</b>                                                               |
| Description          | The system must accurately record and produce data.                           |
| Priority             | High                                                                          |
| Quality Attribute-04 | <b>Monitoring</b>                                                             |
| Description          | It refers to how easily the system can be maintained, modified, and improved. |
| Importance           | Moderate                                                                      |

## **2.3 System Performance Criteria**

### **2.3.1 Processing Speed Criteria**

- Data is stored in MySQL databases
- UI must present data accurately and swiftly.

### **2.3.2 Processing Speed Criteria**

- The system must ensure precise data handling and presentation.

### **2.3.3 Storage and Handling Specifications**

- The system should support multiple concurrent users.

## **2.4 Trustworthiness Criteria**

### **2.4.1 Consistency Metrics**

- Users need to sign in using valid credentials.

### **2.4.2 Accessibility Standards**

- The application should be reachable through a web browser, ideally Google Chrome, Mozilla Firefox, or Microsoft Edge.

## **2.5 System Support Criteria**

### **2.5.1 Upkeep Standards**

- The web-based system should minimize the need for frequent changes.

### **2.5.2 Serviceability Requirements**

- Any issues should be addressed by checking the database and updating security patches.

### **2.5.3 Customization Standards**

- The system should be adaptable to users' needs.

### **2.5.4 Expansion Criteria**

- The system should be scalable to accommodate growing user needs.

## **2.6 System Security Criteria**

### **2.6.1 Gateway**

- Only authorized members are able to use the platform.

### **2.6.2 Integrity**

- The system must prevent unauthorized access.

### **2.6.3 Privacy**

- User profiles must be securely managed and only accessible to authorized users.

## **2.7 Ease of Use and User Experience Specifications**

This specification details how to accommodate the physical requirements of the intended users of our site.

### **2.7.1 Accessibility**

The platform is simple to operate and easily comprehensible.

|                               |                                                                               |
|-------------------------------|-------------------------------------------------------------------------------|
| <b>Usability Criterion-01</b> | The platform needs to be accessible to patients, doctors, and administrators. |
| <b>Description</b>            | The platform presents several choices for the users.                          |
| <b>Stakeholders</b>           | Administrators, Doctor, Patient.                                              |

### 2.7.2 Clarity

|                               |                                                                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Usability Criterion-02</b> | The capabilities of the Doctor Appointment Scheduling Platform.                                                                                                                           |
| <b>Description</b>            | The platform can enhance ease of use with additional features. It is designed for clear comprehension by all users. The platform avoids using any terminology not specified on this site. |
| <b>Participants</b>           | Administrators                                                                                                                                                                            |

### 2.7.3 Availability

There are no additional access criteria beyond those outlined below.:

ar-01: Authenticate as an Administrator

ar-01: Authenticate as a Medical Practitioner

Authenticate as a Patient

ar-01: Sign out as Administrator

ar-01: Sign out as Doctor

ar-01: Sign out as Patient

The system must be accessible to all users with valid login credentials.

### 2.7.4 Support Manual

|                               |                                                                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Usability Criterion-03</b> | The developer's technical documentation.                                                                                                              |
| <b>Description</b>            | To develop this project, we have outlined the requirements for user guides. The teams involved in this project are responsible for the documentation. |
| <b>Stakeholders</b>           | Technical Specialist                                                                                                                                  |

## 2.8 Visual Design Criteria

The visual design criteria outline the desired ambiance, mood, and style of the product's appearance. These specifications convey the intended look and feel but do not detail the specific design of the interfaces.

### 2.8.1 Outlook

The system must feature a visually appealing interface.

|                     |                                                                                   |
|---------------------|-----------------------------------------------------------------------------------|
| <b>LF-01</b>        | Mandatory field labels need to be emphasized in bold text.                        |
| <b>Description</b>  | The labels for compulsory fields must be bolded to signify their required status. |
| <b>Stakeholders</b> | Administrator, Doctor, Patient.                                                   |

### 2.8.2 Design

The interface should follow a consistent and user-friendly design.

|                                     |                                                                                                                                |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Look and Feel Requirement-02</b> | The visual design must be adjustable through the use of style sheets.                                                          |
| <b>Description</b>                  | The appearance of the user interface components of the web application will be defined through CSS, JavaScript, and Bootstrap. |
| <b>Contributors</b>                 | Administrator                                                                                                                  |

## **CHAPTER-03**

### **Development Tool & Technology**

#### **3.1 Software Development Platform**

A Software Development Platform is a comprehensive package that brings together essential tools needed for software creation. Our project makes use of the following platform.

- **IDE Used:** Visual Studio Code (VS Code)

**Features:**

- **Code Editor:** Offers syntax highlighting, intelligent code completion, and snippets for faster coding.
- **Debugger:** Provides integrated debugging capabilities, allowing for breakpoint setting, variable inspection, and real-time code analysis.
- **Extensions:** Supports a wide range of plugins for additional functionalities, including version control, linting, and deployment tools.

#### **3.2 Programming Language**

The choice of programming language is crucial for the development and performance of the software. For this project, we have selected:

**Language Used: Python**

- **Reasons for Selection:**
- **Versatility:** Python is known for its versatility and can be used for web development, data analysis, artificial intelligence, and more.
- **Libraries:** Extensive libraries and frameworks such as Django and Flask streamline development processes.
- **Community Support:** A large and active community provides ample resources, tutorials, and support for problem-solving.

#### **3.3 Interface Aesthetics**

UI design centers around the look and feel of the application, ensuring an intuitive and engaging user experience. The tools and principles used for UI design in this project include:

**Design Tool: Figma**

**Features:**

- **Prototyping:** Allows the creation of interactive prototypes to visualize user interactions.

- Collaboration: Enables real-time collaboration among team members for seamless design updates and feedback.
- Templates: Offers a variety of templates and design elements to accelerate the design process.

**- Design Principles:**

- Consistency: Ensuring a consistent look and feel across the application.
- Usability: Designing intuitive navigation and controls for ease of use.
- Accessibility: Implementing accessible design practices to accommodate all users, including those with disabilities.

### 3.4 Database

A reliable and scalable database is crucial for housing and managing information effectively. In this project, the following database technology is employed.

**Database Used: MySQL**

**Features:**

- Relational Database Management: Supports complex queries and transactions, ensuring data integrity and consistency.
- Scalability: Can handle large volumes of data and concurrent users, making it suitable for growing applications.
- Security: Provides robust security features such as user authentication, authorization, and encryption.

### 3.5 Deploy & Hosting

Deploying and hosting the application ensures that it is accessible to end-users on the web. The deployment and hosting tools and platforms chosen for this project include:

**Platform Used: Heroku**

**Features:**

- Ease of Deployment: Simplifies the deployment process with integrated CI/CD pipelines and Git-based deployments.
- Scalability: Allows for easy scaling of applications by adjusting the resources allocated.
- Add-ons: Offers a range of add-ons for monitoring, databases, caching, and more.

**Deployment Steps**

1. **Preparation:** Code review and final testing in the development environment.
2. **Deployment:** Push code to the Heroku platform using Git.
3. **Configuration:** Set up environment variables, add-ons, and other configurations required for the application.
4. **Monitoring:** Use Heroku's monitoring tools to ensure the application is running smoothly and address any issues promptly.

## **CHAPTER-04**

# SYSTEM DESIGN

## 4.1 Use Case Diagram

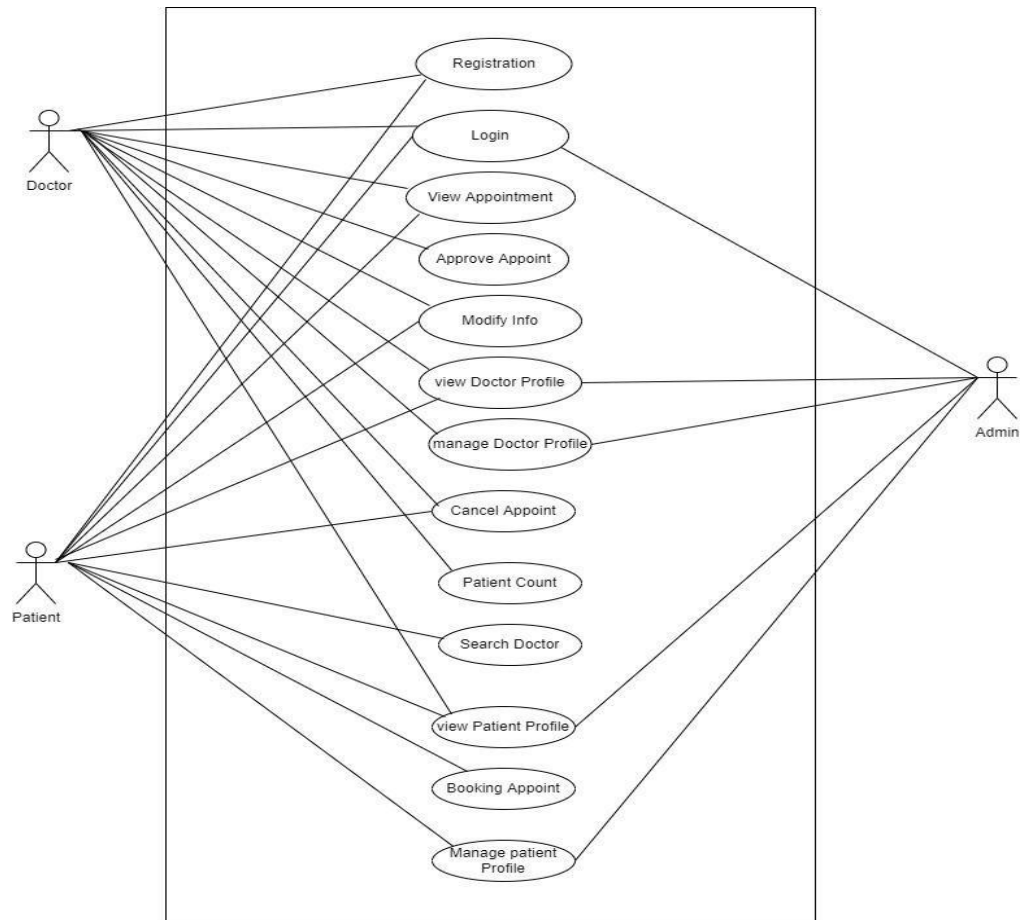


Fig 3.1

## 4.2 Scenario Overview

### 4.2.1 Registration System

| User Scenario                                                                                | Registration                              |
|----------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Aim</b><br>< An extended description of the goal, with additional context if necessary. > | Anyone is able to apply for registration. |

|                                                                                                                                                          |                                                                          |                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Requirements</b><br>< Our expectations align with the existing state of affairs globally. >                                                           | The individual should be able to reach the registration page.            |                                                                                                                                        |
| <b>Achievement End Criteria</b> < The status of the world following successful completion.>                                                              | The operator is effectively registered and can log into the system.      |                                                                                                                                        |
| <b>Unsuccessful Outcome Criteria</b> < The condition of the world if the objective is not pursued.>                                                      | System cannot obtain registration applications starting with the public. |                                                                                                                                        |
| <b>Main Entities:</b>                                                                                                                                    | Patient, Doctor                                                          |                                                                                                                                        |
| <b>Backup Agents</b>                                                                                                                                     | N/A                                                                      |                                                                                                                                        |
| <b>Activator</b><br>< The event within the system that initiates the use case. >                                                                         | Access this website.                                                     |                                                                                                                                        |
| <b>Outline/Key Effective Outcome</b> < The sequence of events from the trigger to the completion of the goal, along with any post-process maintenance. > | <b>Phase</b>                                                             | <b>Task</b>                                                                                                                            |
|                                                                                                                                                          | i.                                                                       | User accesses this registration page.                                                                                                  |
|                                                                                                                                                          | ii.                                                                      | The individual enters the necessary details into the registration form.                                                                |
|                                                                                                                                                          | iii.                                                                     | User submits the form.                                                                                                                 |
|                                                                                                                                                          | iv.                                                                      | System validates the entered information.                                                                                              |
|                                                                                                                                                          | v.                                                                       | System creates a new user account.                                                                                                     |
|                                                                                                                                                          | vi.                                                                      | User receives confirmation of successful registration.                                                                                 |
| <b>Optional Pathways</b><br><decision point ><br>< sub-procedure title >                                                                                 |                                                                          |                                                                                                                                        |
| <b>Optional Pathways</b> < decision point ><br>< sub-procedure title ><br><b>Quality Requirements</b>                                                    | <b>Phase</b>                                                             | <b>Task</b>                                                                                                                            |
|                                                                                                                                                          | 1.                                                                       | In case the entered details are invalid, the system displays an error message, and the user must correct the information and resubmit. |

|  |             |                                                                                   |
|--|-------------|-----------------------------------------------------------------------------------|
|  |             |                                                                                   |
|  | <b>Step</b> | <b>Requirement</b>                                                                |
|  | i.          | Should be confirmed as public and additionally edit or update these applications. |

#### 4.2.2 Access and Exit System

|                                                                                                                                                                     |                                                                                       |                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Use Case</b>                                                                                                                                                     | Login and log out system                                                              |                                                                                                         |
| <b>Target</b> < a more detailed statement regarding the objective, if necessary. >                                                                                  | Technical Administrator, Doctor, Patient is able to use the system. Lastly, Exit.     |                                                                                                         |
| <b>Preconditions</b> <what we expect is already the state of the world's>                                                                                           | The user must be registered.                                                          |                                                                                                         |
| <b>Success End Condition</b><br><the state of the world upon successfully complete>                                                                                 | The user gains access to their respective dashboard.                                  |                                                                                                         |
| <b>Failed End Condition</b> <the state of the world if goal abandoned>                                                                                              | Technical Administrator, Medical Specialist, The patient is able to use the platform. |                                                                                                         |
| <b>Primary Actors:</b>                                                                                                                                              | Technical Administrator, Medical Specialist, Client                                   |                                                                                                         |
| <b>Backup Participants</b>                                                                                                                                          | Not Applicable                                                                        |                                                                                                         |
| <b>Activator</b> < the event within the platform that initiates the use case. >                                                                                     | Access This System                                                                    |                                                                                                         |
| <b>Explanation/Key Success Path</b> < A series of actions from the trigger point to the achievement of the objective, along with any necessary cleanup afterward. > | <b>Phase</b>                                                                          | <b>Task</b>                                                                                             |
|                                                                                                                                                                     | i.                                                                                    | System Admin, Doctor, Patient                                                                           |
|                                                                                                                                                                     | ii.                                                                                   | The individual inputs their email address and password in the returning user section of the login page. |
| <b>Different Scenarios</b> < condition causing                                                                                                                      | <b>Phase</b>                                                                          | <b>Alternative Activity</b>                                                                             |

|                                                       |              |                                                                          |
|-------------------------------------------------------|--------------|--------------------------------------------------------------------------|
| segmenting ><br>< sub-activity title or description > | i.           | The user provides their login ID and password.                           |
| <b>Quality Criteria</b>                               | <b>Phase</b> | <b>Criteria</b>                                                          |
|                                                       | i.           | For login, the user needs to provide a valid email address and password. |

### 4.2.3 View Appointment

|                                                                                                                                          |                                                               |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|
| <b>Process</b>                                                                                                                           | Display Appointment                                           |                                     |
| <b>Aim</b> < an extended description of the aim in the applicable situation, if necessary. >                                             | Doctor and patient are able to easily access the appointment. |                                     |
| <b>Antecedents</b> < our expectations align with the current state of affairs. >                                                         | Must be signed into the system.                               |                                     |
| <b>Desired End State</b> < The condition of the world following successful completion. >                                                 | System successfully view appointment                          |                                     |
| <b>Failure Criteria</b> < the status of affairs if the goal is not pursued. >                                                            | Cannot view appointment                                       |                                     |
| <b>Lead Users:</b>                                                                                                                       | Doctor, Patient                                               |                                     |
| <b>Secondary Actors</b>                                                                                                                  | N/A                                                           |                                     |
| <b>Initiator</b> < The event in the system that initiates the scenario. >                                                                | View appointment                                              |                                     |
| <b>Explanation/Key Success Path</b> <the sequence of events from the initiation to goal achievement, including any subsequent cleanup. > | <b>Step</b>                                                   | <b>Action</b>                       |
|                                                                                                                                          | 1                                                             | Doctor, Patient view an appointment |
|                                                                                                                                          | 2                                                             | Successfully view an appointment    |

|                                                                                           |              |                           |
|-------------------------------------------------------------------------------------------|--------------|---------------------------|
| <b>Variant Processes</b> < branching factor ><br>< activity or title of the sub-process > | <b>Step</b>  | <b>Splitting Activity</b> |
|                                                                                           | 1a           | N/A                       |
| <b>Performance Criteria</b>                                                               | <b>Phase</b> | <b>Condition</b>          |
|                                                                                           | 1            | Must be logged in         |

#### 4.2.4 Approve Appointment

|                                                                                                                                                |                                                             |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------|
| <b>Use Case</b>                                                                                                                                | Approve Appointment                                         |                                     |
| <b>Aim</b> < A more detailed description of the aim within the appropriate context, if required. >                                             | The doctor is able to effortlessly approve the appointment. |                                     |
| <b>Criteria</b> < Our expectations align with the current state of affairs. >                                                                  | Should be authenticated within the system.                  |                                     |
| <b>Desired End State</b> < The state of affairs after achieving success.>                                                                      | System successfully approve appointment                     |                                     |
| <b>Non-Success Criteria</b> < The condition of the environment if the goal is not achieved>                                                    | Cannot approve appointment                                  |                                     |
| <b>Main Entities:</b>                                                                                                                          | Doctor                                                      |                                     |
| <b>Backup Roles</b>                                                                                                                            | N/A                                                         |                                     |
| <b>Prompt</b> < The event within the system that initiates the use case. >                                                                     | Approve appointment                                         |                                     |
| <b>Summary/Key Success Case</b> < The sequence of actions from the initiating event to goal attainment, including any subsequent maintenance > | <b>Step</b>                                                 | <b>Action</b>                       |
|                                                                                                                                                | 1                                                           | Doctor Approve an appointment       |
|                                                                                                                                                | 2                                                           | Successfully Approve an appointment |

|                                                                                                              |              |                                                                          |
|--------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------|
| <b>Variation Scenarios</b> <trigger for branching><br>< procedure or designation of the secondary use case > | <b>Step</b>  | <b>Forking Task</b>                                                      |
|                                                                                                              | 1a           | N/A                                                                      |
| <b>Performance Standards</b>                                                                                 | <b>Phase</b> | <b>Demand</b>                                                            |
|                                                                                                              | 1            | When Patient can booked appointment then doctor can approve appointment. |

#### 4.2.5 Modify Info

|                                                                                                             |                                                              |                  |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------|
| <b>Use Case</b>                                                                                             | Modify info                                                  |                  |
| <b>Aim</b> < An extended explanation of the objective within the relevant context, if necessary. >          | The doctor and patient are able to update their information. |                  |
| <b>Stipulations</b> < What we anticipate matches the existing state of affairs.                             | Must be authenticated within the system.                     |                  |
| <b>Desired End State</b> < The state of affairs after achieving success. >                                  | System get modify info ..                                    |                  |
| <b>Non-Success Criteria</b> < The condition of the environment if the goal is not achieved. >               | System cannot get modify info .                              |                  |
| <b>Main Entities:</b>                                                                                       | Doctor, Patient                                              |                  |
| <b>Auxiliary Roles</b>                                                                                      | N/A                                                          |                  |
| <b>Stimulus</b> < The event within the system that initiates the use case >                                 | Modify Info.                                                 |                  |
| <b>Description/main Scenario</b><br>< The sequence of actions from the initiating event to goal attainment, | <b>Success</b>                                               |                  |
|                                                                                                             | <b>Step</b>                                                  | <b>Action</b>    |
|                                                                                                             | i.                                                           | can modify info. |

|                                                                                                |              |                                                                                    |
|------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------|
| including any subsequent maintenance. >                                                        | ii.          | The individual inputs the URL, and the URL displays the 'modify information' page. |
| <b>Variation Scenarios</b><br>< trigger for branching ><br><auxiliary action or sub-scenario > | <b>Phase</b> | <b>Forking Activity</b>                                                            |
|                                                                                                | i.           | Get “Modify Info” page again load if any error occurred.                           |
| <b>Performance Standards</b>                                                                   | <b>Phase</b> | <b>Needs</b>                                                                       |
|                                                                                                | 1.           | Should be authenticated within the system.                                         |

#### 4.2.6 View Doctor Profile

|                                                                                                 |                                                                   |                                                                     |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Scenario</b>                                                                                 | Access Doctor Profile                                             |                                                                     |
| <b>Aim</b> < an extended statement of the aim in the relevant situation, if necessary >         | Admin, doctor, and patient are able to view the doctor's profile. |                                                                     |
| <b>Stipulations</b> < our expectations match the current condition of the world >               | Must be authenticated in the system                               |                                                                     |
| <b>Desired End State</b> < the condition of the world after successful completion >             | System get Viewed Doctor Profile.                                 |                                                                     |
| <b>Non-Success Criteria</b><br><the state of the environment if the objective is not achieved > | Unable to view profile                                            |                                                                     |
| <b>Main Entities:</b>                                                                           | Doctor, Patient ,Admin                                            |                                                                     |
| <b>Auxiliary Roles</b>                                                                          | Not Applicable                                                    |                                                                     |
| <b>Stimulus</b> < the system event that launches the use case >                                 | View Doctor Profile.                                              |                                                                     |
| <b>Summary/Key Success Case</b> <the flow from start to goal completion, with any cleanup >     | <b>Phase</b>                                                      | <b>Demands</b>                                                      |
|                                                                                                 | i.                                                                | Administrator, doctor, and patient can access the doctor's profile. |

|                                                                                        |              |                                                              |
|----------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------|
|                                                                                        | ii.          | Input the URL to display the ‘view doctor profile’ page      |
| <b>Variant Processes</b> < branching condition ><br><task or secondary use case name > | <b>Phase</b> | <b>Forking Task</b>                                          |
|                                                                                        | i.           | Reaccess the ‘View Doctor Profile’ page if an error happens. |
| <b>Performance Standards</b>                                                           | <b>Phase</b> | <b>Needs</b>                                                 |
|                                                                                        | i.           | Needs to be logged into the system                           |

#### 4.2.7 Manage Doctor Profile

|                                                                                                      |                                                           |                                                                     |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------|
| <b>Scenario</b>                                                                                      | Handle Doctor Profile.                                    |                                                                     |
| <b>Aim</b> <an extended goal description, if required. >                                             | Administrator and doctor can update the doctor's profile. |                                                                     |
| <b>Stipulations</b> < our expectation matches the current state >                                    | Must be authenticated in the system.                      |                                                                     |
| <b>Desired End State</b> < the condition after successful completion >                               | System get Manage Doctor Profile.                         |                                                                     |
| <b>Non-Success Criteria</b> < condition if the goal is not achieved >                                | Unable Manage Profile .                                   |                                                                     |
| <b>Main Entities:</b>                                                                                | Doctor,Admin                                              |                                                                     |
| <b>Auxiliary Roles</b>                                                                               | Not Applicable                                            |                                                                     |
| <b>Stimulus</b> < the event that initiates the use case >                                            | Manage Doctor Profile.                                    |                                                                     |
| <b>Summary/Key Success Case</b> < steps from initiation to goal completion, including finalization > | <b>Phase</b>                                              | Demand                                                              |
|                                                                                                      | i.                                                        | Administrator, doctor, and patient can access the doctor’s profile. |
|                                                                                                      | ii.                                                       | Input the URL to display the ‘view doctor profile’ page.            |
|                                                                                                      | <b>Phase</b>                                              | <b>Conditional Activity</b>                                         |

|                                                                                 |              |                                                               |
|---------------------------------------------------------------------------------|--------------|---------------------------------------------------------------|
| <b>Variant Processes</b> < divergence trigger ><br>< task or sub-process name > | i.           | Retrieve the 'View Doctor Profile' screen if an error occurs. |
| <b>Performance Standards</b>                                                    | <b>Phase</b> | <b>Needs</b>                                                  |
|                                                                                 | i.           | Must be authenticated in the system.                          |

#### 4.2.8 Cancel Appointment

|                                                                                           |                                              |                                                                |
|-------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|
| <b>Scenario</b>                                                                           | Cancel Appointment                           |                                                                |
| <b>Aim</b> < a detailed goal statement, if necessary>                                     | Patient or Doctor easily cancel Appointment. |                                                                |
| <b>Stipulations</b> < our expectation matches the current state>                          | Requires booking an appointment.             |                                                                |
| <b>Desired End State</b> < the condition after successful completion>                     | System get cancel Appointment.               |                                                                |
| <b>Non-Success Criteria</b> < condition if the goal is not achieved>                      | Unable to cancel appointment.                |                                                                |
| <b>Main Entities:</b>                                                                     | Doctor, Patient                              |                                                                |
| <b>Auxiliary Roles</b>                                                                    | Not Available                                |                                                                |
| <b>Stimulus</b> < the event that initiates the use case>                                  | Cancel Appointment .                         |                                                                |
| <b>Summary/Key Success Case</b> < actions from trigger to goal achievement, plus cleanup> | <b>Phase</b>                                 | <b>Task</b>                                                    |
|                                                                                           | i.                                           | Administrator and doctor can effortlessly cancel appointments. |
|                                                                                           | ii.                                          | Input the URL to display the "Cancel Appointment" page.        |
| <b>Variant Processes</b> < divergence trigger><br>< activity or sub-case title>           | <b>Phase</b>                                 | <b>Conditional Activity</b>                                    |
|                                                                                           | i.                                           | Refresh the 'Cancel Appointment' page on error..               |

| Performance Standards | Phase | Needs                           |
|-----------------------|-------|---------------------------------|
|                       | i.    | Needs to be Booked Appointment. |

#### 4.2.9 Patient Count

|                                                                                            |                                              |                                                     |
|--------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------|
| <b>Scenario</b>                                                                            | Client Count                                 |                                                     |
| <b>Aim</b> < a detailed goal statement, if necessary >                                     | Doctor easily Counted All Appointed Patient. |                                                     |
| <b>Stipulations</b> < our expectation matches the current state >                          | Needs to be Approve Appointment.             |                                                     |
| <b>Desired End State</b> < the condition after successful completion >                     | System get Patient Count.                    |                                                     |
| <b>Non-Success Criteria</b><br><condition if the goal is not achieved >                    | Couldn't Patient Count                       |                                                     |
| <b>Main Entities:</b>                                                                      | Doctor                                       |                                                     |
| <b>Auxiliary Roles</b>                                                                     | Not Available                                |                                                     |
| <b>Stimulus</b> < the trigger that begins the use case >                                   | Patient Count .                              |                                                     |
| <b>Summary/Key Success Case</b> < actions from trigger to goal achievement, plus cleanup > | <b>Phase</b>                                 | <b>Task</b>                                         |
|                                                                                            | i.                                           | Doctor can quickly tally all scheduled patients.    |
|                                                                                            | ii.                                          | Input the URL to access the 'patient count' screen. |
| <b>Variant Processes</b><br>< divergence trigger ><br>< activity or sub-case title >       | <b>Phase</b>                                 | <b>Conditional Activity</b>                         |
|                                                                                            | i.                                           | Refresh 'Patient Count' page upon error.            |
| <b>Performance Standards</b>                                                               | <b>Phase</b>                                 | <b>Needs</b>                                        |
|                                                                                            | i.                                           | Needs to be Approve Appointment.                    |

#### 4.2.10 Search Doctor

|                                                                                          |                                    |                                                               |
|------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------|
| <b>Scenario</b>                                                                          | Locate a Doctor                    |                                                               |
| <b>Aim</b> <a detailed goal statement, if necessary>                                     | Patients may locate any doctor.    |                                                               |
| <b>Stipulations</b> <our expectation matches the current state>                          | N/A.                               |                                                               |
| <b>Desired End State</b> <the condition after successful completion>                     | System get search a doctor by name |                                                               |
| <b>Non-Success Criteria</b> <condition if the goal is not achieved>                      | Unable to find any doctor.         |                                                               |
| <b>Main Entities:</b>                                                                    | Patient                            |                                                               |
| <b>Auxiliary Roles</b>                                                                   | Not Available                      |                                                               |
| <b>Stimulus</b> <the trigger that begins the use case>                                   | Find Doctor                        |                                                               |
| <b>Summary/Key Success Case</b> <actions from trigger to goal achievement, plus cleanup> | <b>Phase</b>                       | <b>Task</b>                                                   |
|                                                                                          | 1.                                 | Patients can look up a physician.                             |
|                                                                                          | 2.                                 | physician click search Doctor option.                         |
|                                                                                          | 3.                                 | Patient enter Doctor name and click search option.            |
| <b>Variant Processes</b><br><divergence trigger><br><task or sub-process name>           | <b>Phase</b>                       | <b>Conditional Activity</b>                                   |
|                                                                                          | 1.                                 | If the doctor's name doesn't match, display 'No doctor found. |
| <b>Performance Standards</b>                                                             | <b>Phase</b>                       | <b>Needs</b>                                                  |
|                                                                                          | 1.                                 | Doctor name needed.                                           |

#### 4.2.11 View Patient Profile

|                                                                                                         |                                                  |                                                                |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------|
| <b>Scenario</b>                                                                                         | Access Patient Profile                           |                                                                |
| <b>Aim</b><br>< a detailed goal statement, if necessary >                                               | Admin Doctor patient may viewed Patient Profile. |                                                                |
| <b>Stipulations</b><br>< our expectation matches the current state >                                    | Must be signed into the platform.                |                                                                |
| <b>Desired End State</b><br>< the status after achieving success >                                      | System get Viewed Patient Profile.               |                                                                |
| <b>Non-Success Criteria</b><br>< condition if the goal is not achieved >                                | Unable to view Profile .                         |                                                                |
| <b>Main Entities:</b>                                                                                   | Doctor, Patient ,Admin                           |                                                                |
| <b>Auxiliary Roles</b>                                                                                  | Not Available                                    |                                                                |
| <b>Stimulus</b><br>< the event that initiates the use case >                                            | View Patient Profile.                            |                                                                |
| <b>Summary/Key Success Case</b><br>< steps from initiation to goal completion, including finalization > | <b>Phase</b>                                     | <b>Task</b>                                                    |
|                                                                                                         | i.                                               | Administrator Doctor patient may viewed Patient Profile        |
|                                                                                                         | ii.                                              | Input the URL to access the “ view Patient Profile” dashboard. |
| <b>Variant Processes</b><br>< divergence trigger ><br>< task or sub-process name >                      | <b>Phase</b>                                     | <b>Conditional Activity</b>                                    |
|                                                                                                         | i.                                               | Reload the 'View Patient Profile' page if an error occurs.     |
| <b>Performance Standards</b>                                                                            | <b>Phase</b>                                     | <b>Needs</b>                                                   |
|                                                                                                         | i.                                               | Users are required to sign into the platform.                  |

#### 4.2.12 Booking Appointment

|                                                                                            |                                               |                                                             |
|--------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------|
| <b>Scenario</b>                                                                            | Booking Appointment                           |                                                             |
| <b>Aim</b><br>< an extended goal description, if required>                                 | Patient easily Booked Appointment.            |                                                             |
| <b>Stipulations</b><br><br>< our expectation matches the current state>                    | Users are required to sign into the platform. |                                                             |
| <b>Desired End State</b><br>< the condition after successful completion>                   | Successfully Booked Appointment.              |                                                             |
| <b>Non-Success Criteria</b><br>< condition if the goal is not achieved>                    | Cannot Booked Appointment.                    |                                                             |
| <b>Main Entities:</b>                                                                      | Patient                                       |                                                             |
| <b>Auxiliary Roles</b>                                                                     | Not Available                                 |                                                             |
| <b>Stimulus</b><br><br>< the trigger that begins the scenario >                            | Booked Appointment .                          |                                                             |
| <b>Summary/Key Success Case</b> < actions from trigger to goal achievement, plus cleanup > | <b>Phase</b>                                  | <b>Task</b>                                                 |
|                                                                                            | i.                                            | Patients may quickly book an appointment.                   |
|                                                                                            | ii.                                           | Input the URL to access the “Booked Appointment” dashboard. |
| <b>Variant Processes</b><br>< divergence trigger ><br>< activity or sub-case title >       | <b>Phase</b>                                  | <b>Conditional Activity</b>                                 |
|                                                                                            | i.                                            | Reload the 'Booked Appointment' page if an error occurs.    |
| <b>Performance Standards</b>                                                               | <b>Phase</b>                                  | <b>Needs</b>                                                |
|                                                                                            | i.                                            | Users are required to sign into the platform.               |

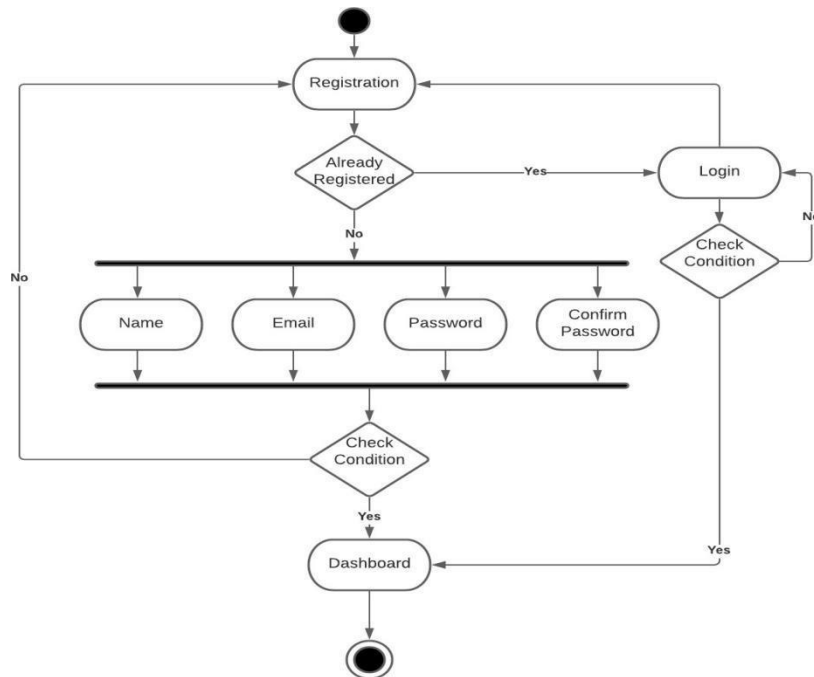
#### 4.2.13 Manage Patient Profile

|                                                                                            |                                                   |                                                                 |
|--------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------|
| <b>Scenario</b>                                                                            | Access Patient Profile                            |                                                                 |
| <b>Aim</b> < an extended goal description, if required >                                   | Administrator Patient may access Patient Profile. |                                                                 |
| <b>Stipulations</b> < our expectation matches the current state >                          | Users are required to sign into the platform.     |                                                                 |
| <b>Desired End State</b> < the condition after successful completion >                     | System get Manage Patient Profile.                |                                                                 |
| <b>Non-Success Criteria</b> < condition if the goal is not achieved >                      | Unable to Manage Profile .                        |                                                                 |
| <b>Main Entities:</b>                                                                      | Doctor, Patient                                   |                                                                 |
| <b>Auxiliary Roles</b>                                                                     | Not Available                                     |                                                                 |
| <b>Stimulus</b> < the event that initiates the scenario >                                  | Manage Patient Profile.                           |                                                                 |
| <b>Summary/Key Success Case</b> < actions from trigger to goal achievement, plus cleanup > | <b>Phase</b>                                      | <b>Task</b>                                                     |
|                                                                                            | i.                                                | Administrator Patient may quickly access Patient Profile        |
|                                                                                            | ii.                                               | Input the URL to access the “manage patient Profile” dashboard. |
| <b>Variant Processes</b><br><divergence trigger ><br>< task or sub-process name >          | <b>Phase</b>                                      | <b>Conditional Activity</b>                                     |
|                                                                                            | i.                                                | Reload the 'Manage Patient Profile' page if an error occurs.    |
| <b>Performance Standards</b>                                                               | <b>Phase</b>                                      | <b>Needs</b>                                                    |
|                                                                                            | i.                                                | Users are required to sign into the platform.                   |

## 4.3 Activity Diagram

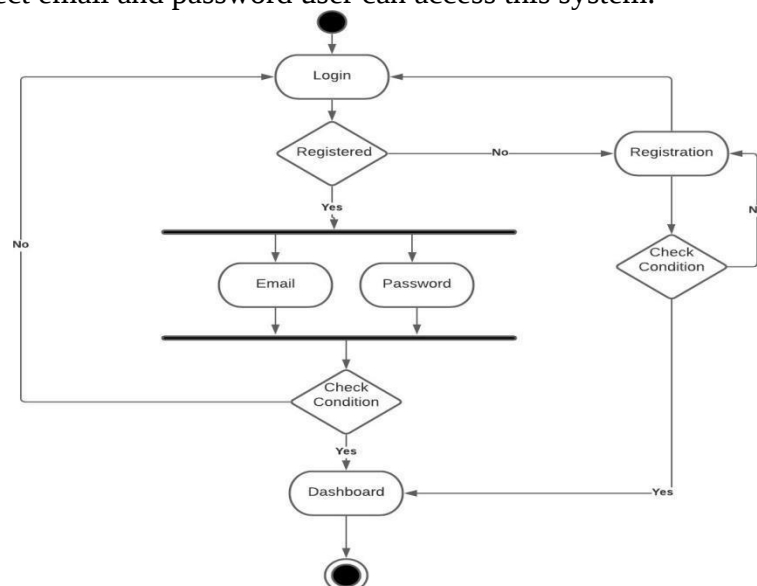
### Activity For Registration

If users are not registered in the system firstly users need to registered in this system. Some information users provide in this system then users confirmed registration



### Activity For Login

If users are not registered in the system firstly users need to registered in this system. Some information users provide in this system then users confirmed registration .then users provide correct email and password user can access this system.



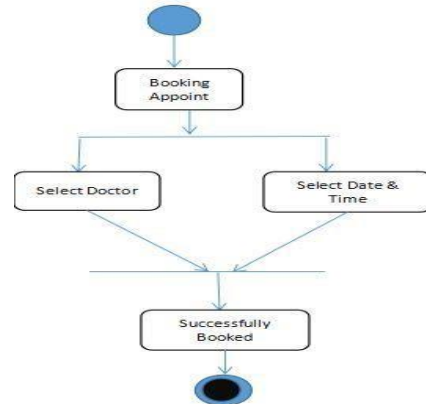
### Activity For Approve Appointment

Doctor can successfully login the system  
Then view appointment then approve the  
Appointment.



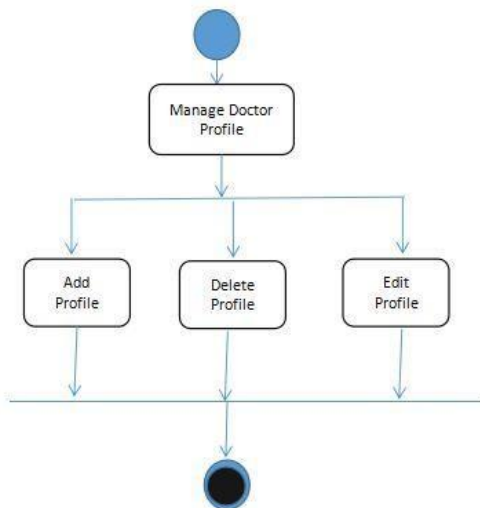
### Activity For Booking Doctor

users can successfully login the  
system then users choose any  
Doctor and select time and  
date Then successfully book  
doctor



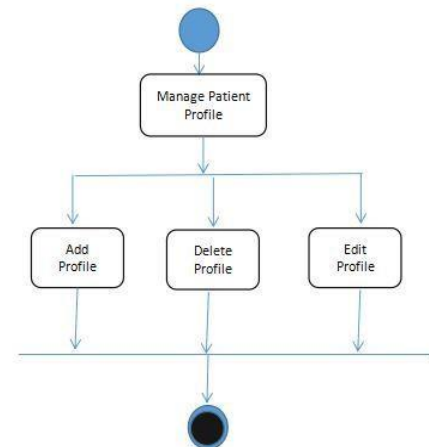
### Activity For Manage Doctor Profile

Doctor can manage his profile . doctor  
Can update ,delete,add profile successfully



### Activity For Manage Patient Profile

Doctor can manage his profile . Patient  
Can update ,delete,add profile successfully



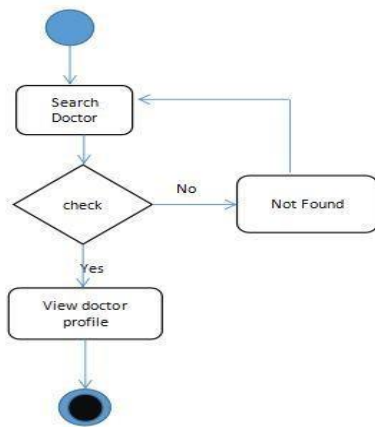
### Activity For Doctor Search

If users search any doctor then users search  
By doctor correct name spelling .otherwise not

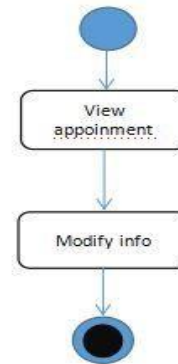
### Activity For Modify Info

Any Users can modify in his  
profile. Firstly view

Found

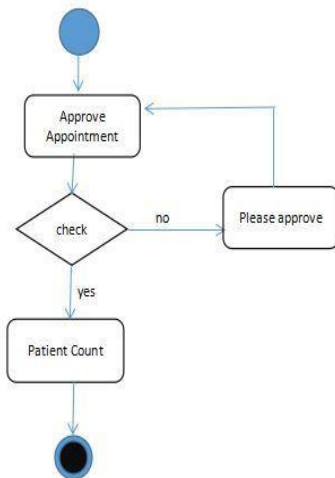


appointment then modify



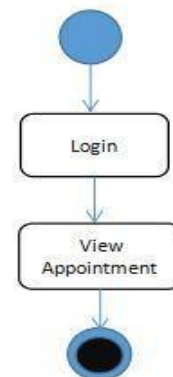
### Activity For Patient Count

Doctor can How Many patient are appointed in his appointment then Doctor can easily show. Firstly doctor approve appointment then show the How many patient are counted



### Activity For View Appointment

firstly Doctor Successfully login  
The system then doctor view appointment

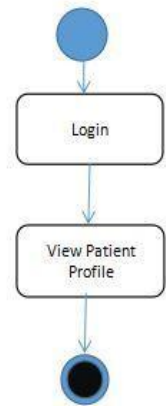
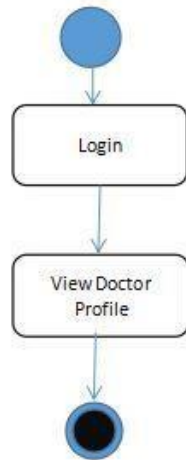


### Activity For View Doctor Profile

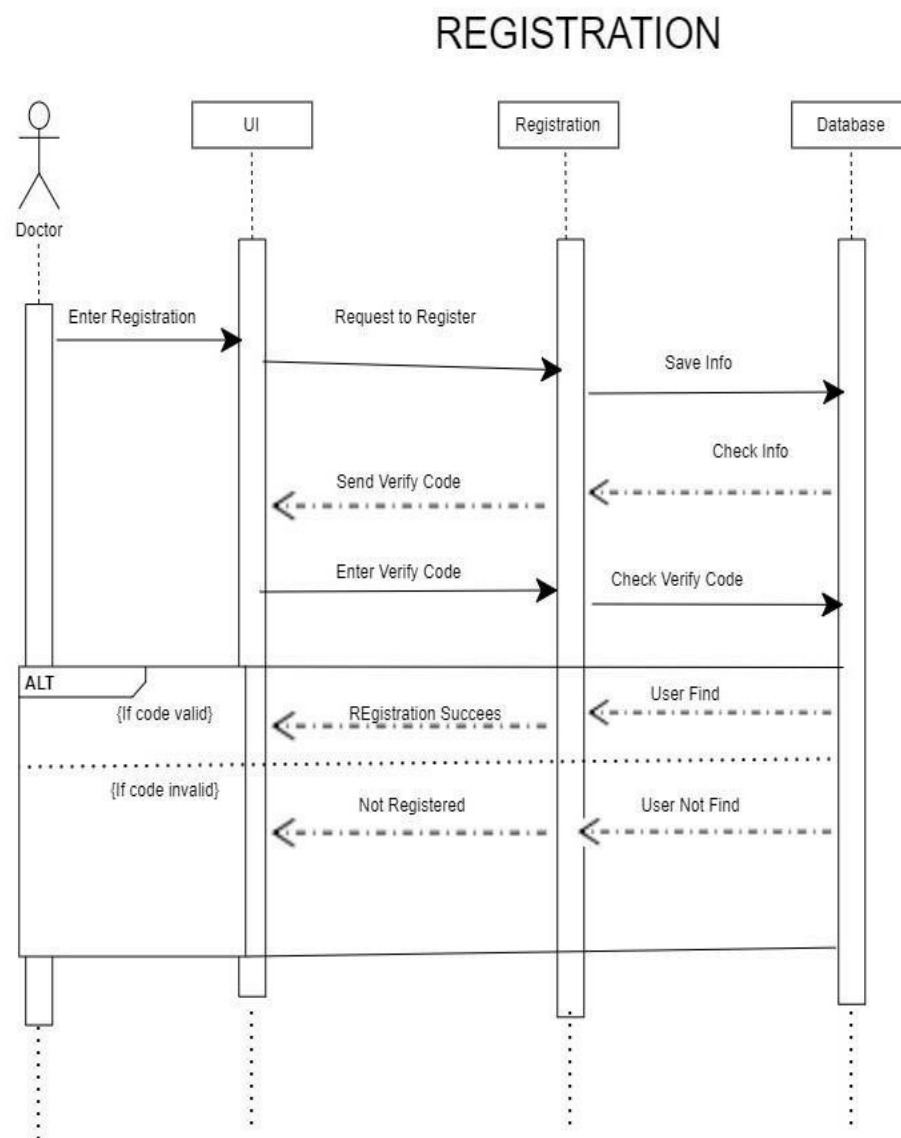
firstly users Successfully login  
Then view doctor profile

### Activity For View Patient Profile

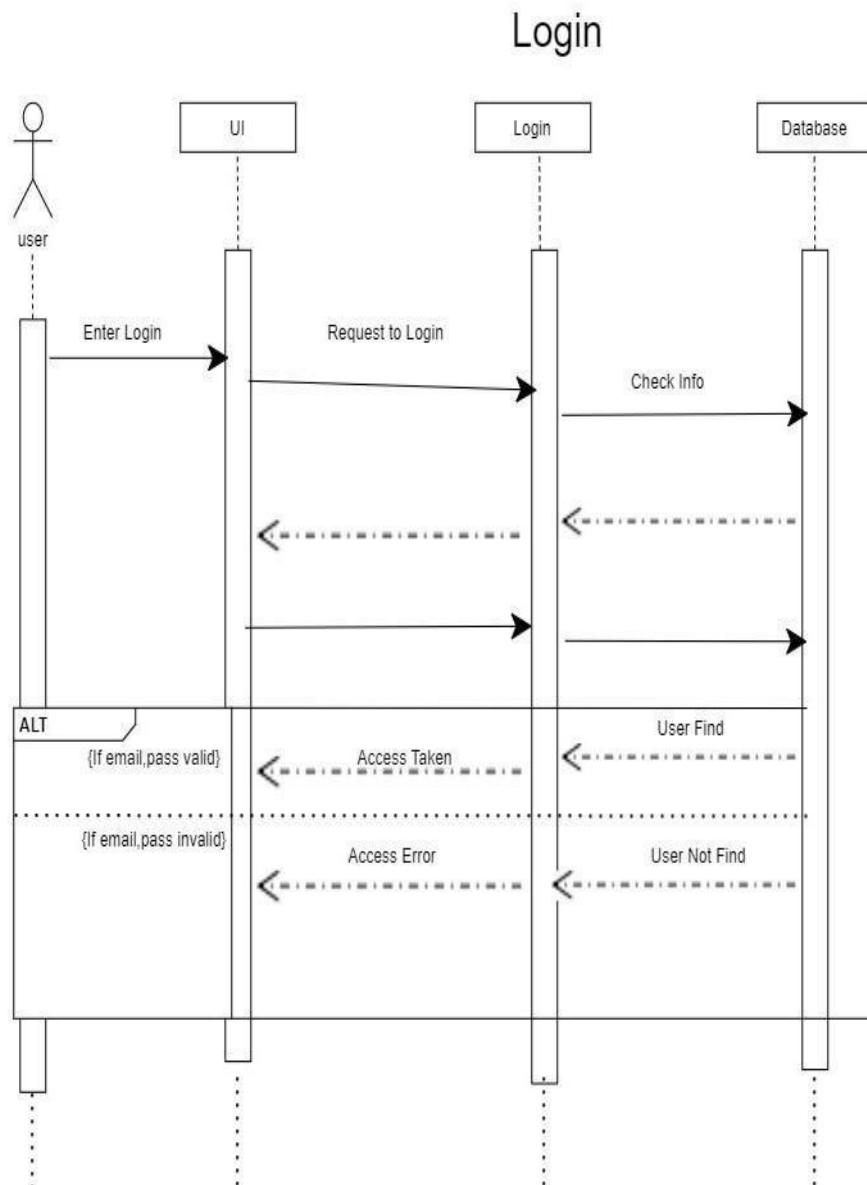
firstly users Successfully login  
then view patient Profile



## 4.4 Sequence Diagram Sequence diagram for Registration



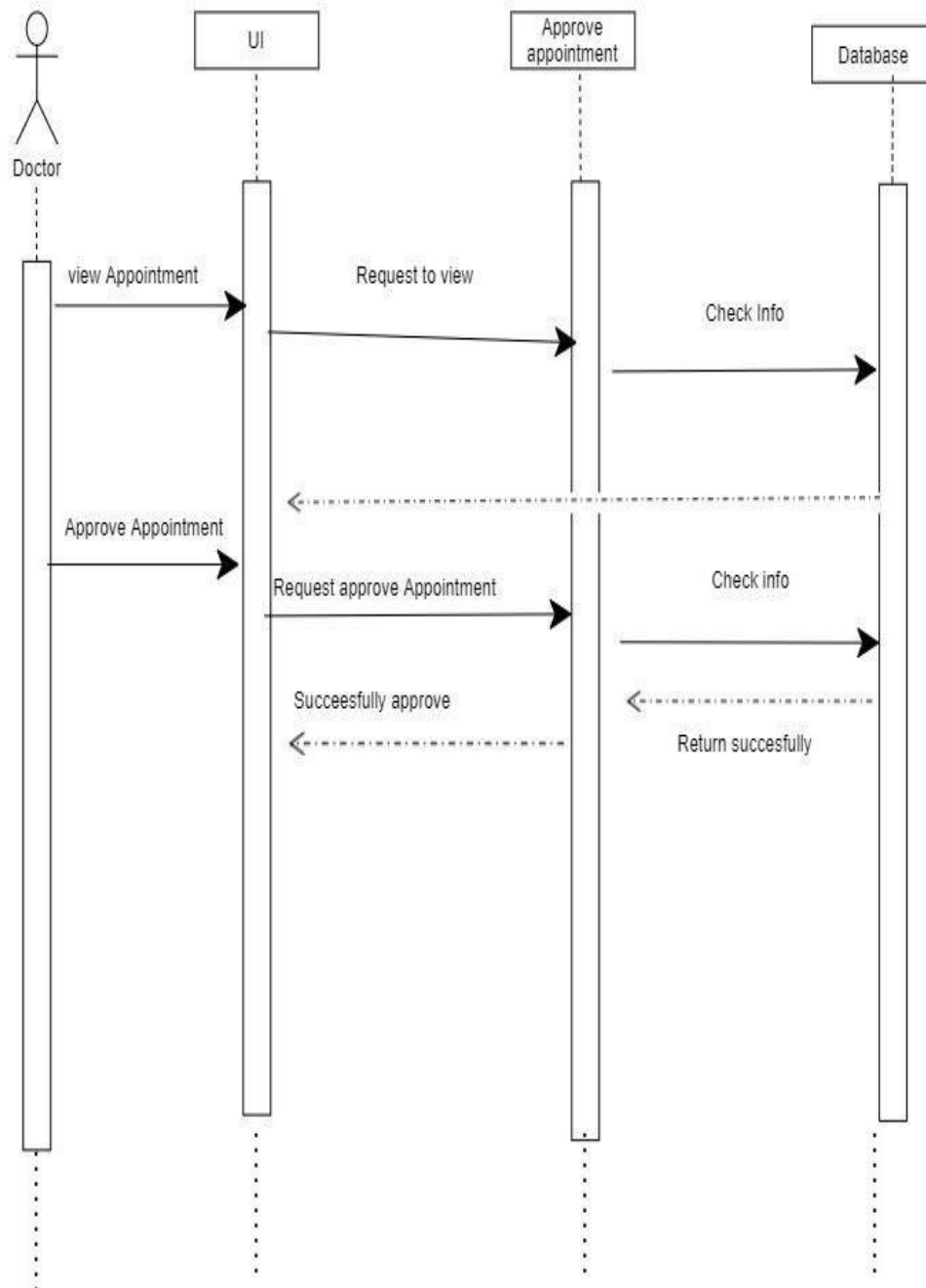
## Sequence diagram for Login



## Sequence Diagram

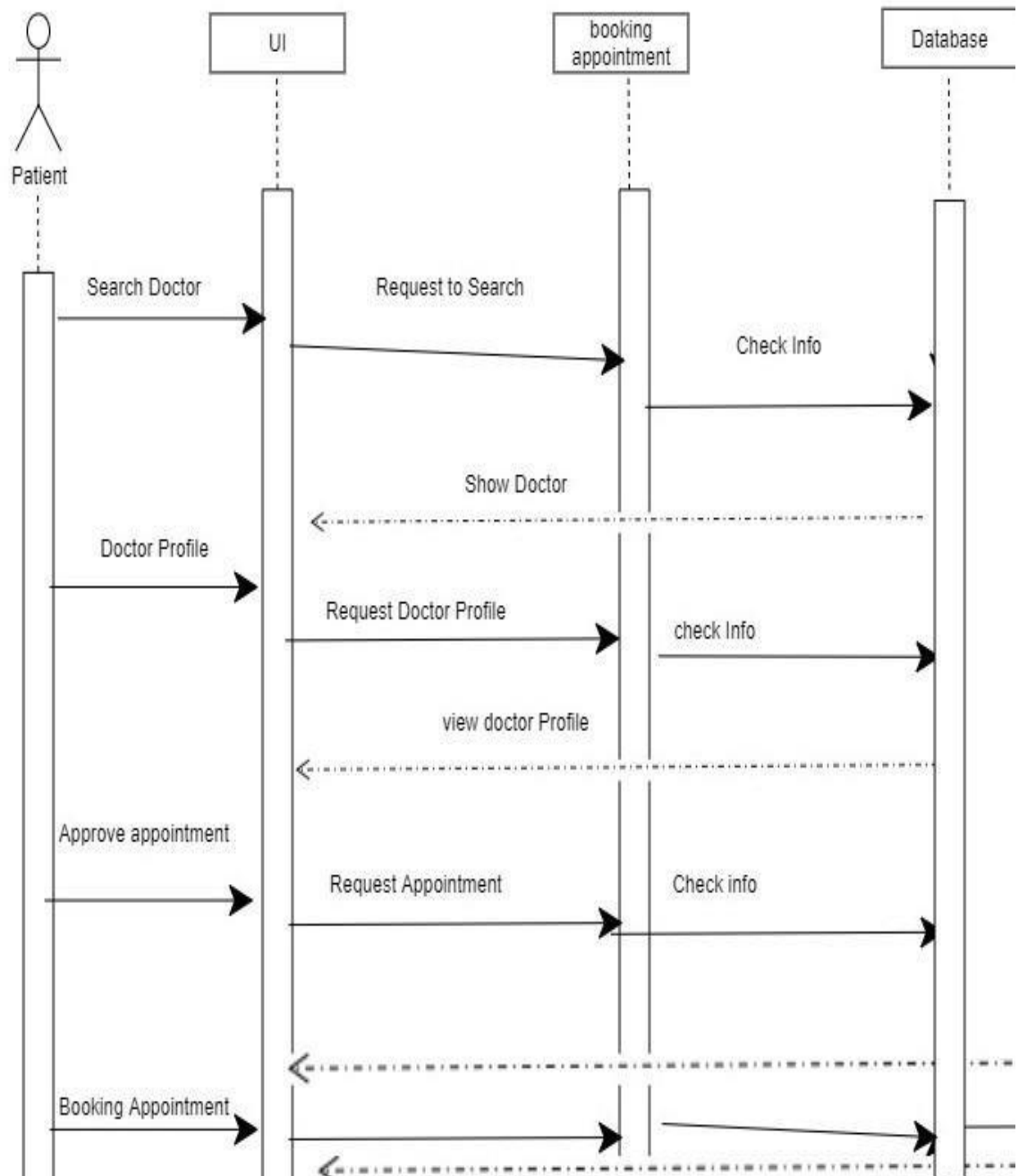
### For Approve Appointment

#### Approve Appointment



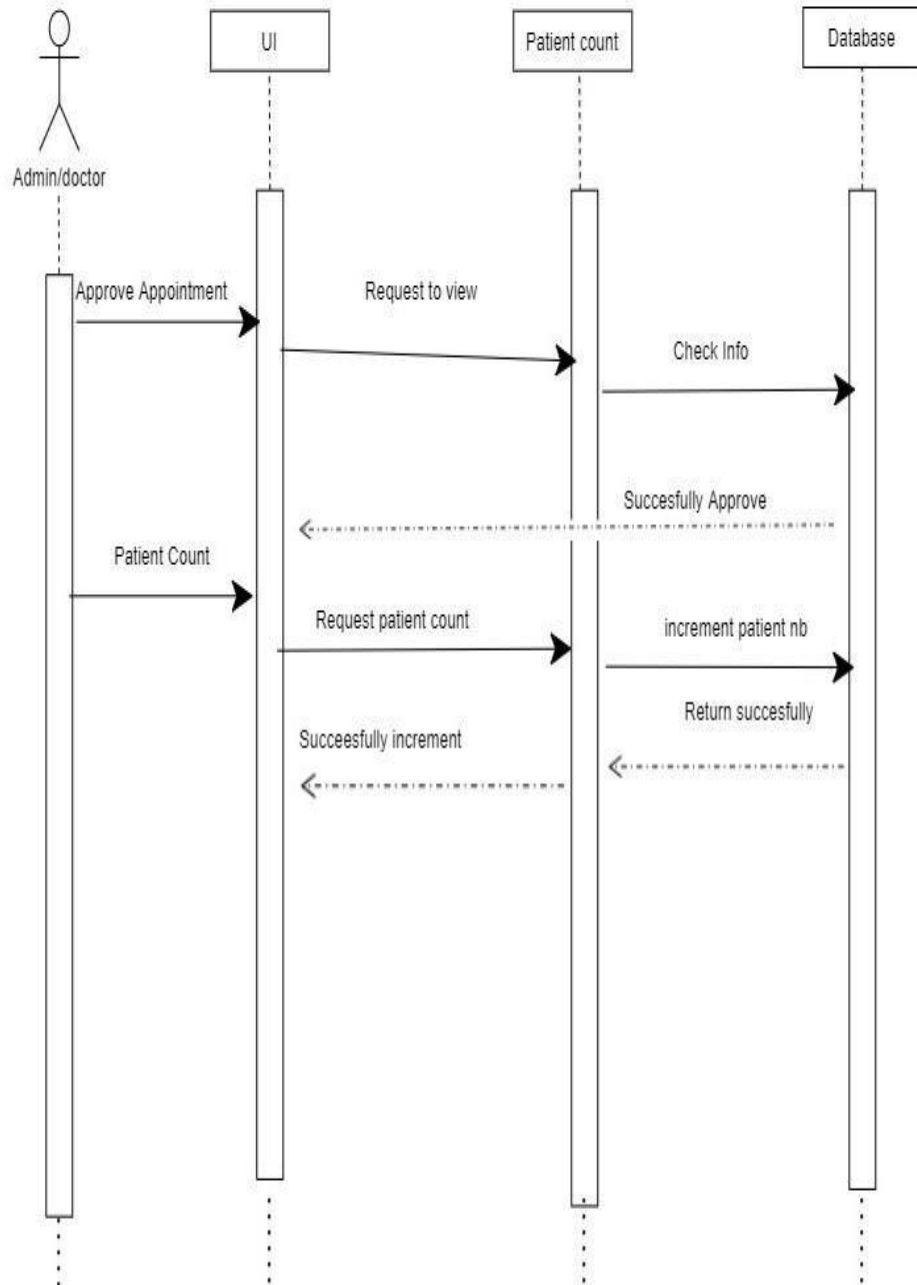
Sequence diagram for Booking Appointment

## Booking Appointment



# Sequence for Patient Count

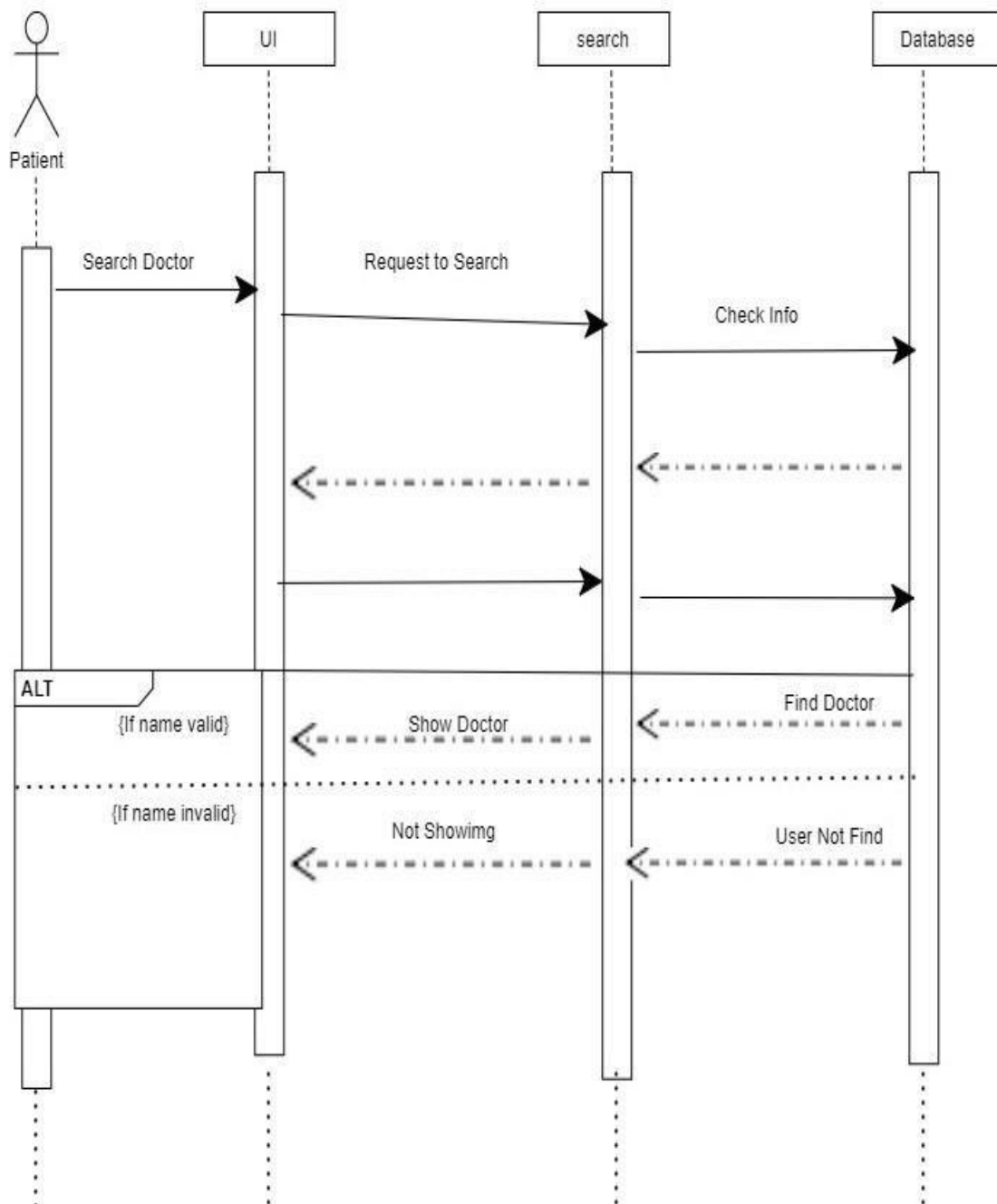
## Patient Count



## Sequence Diagram for

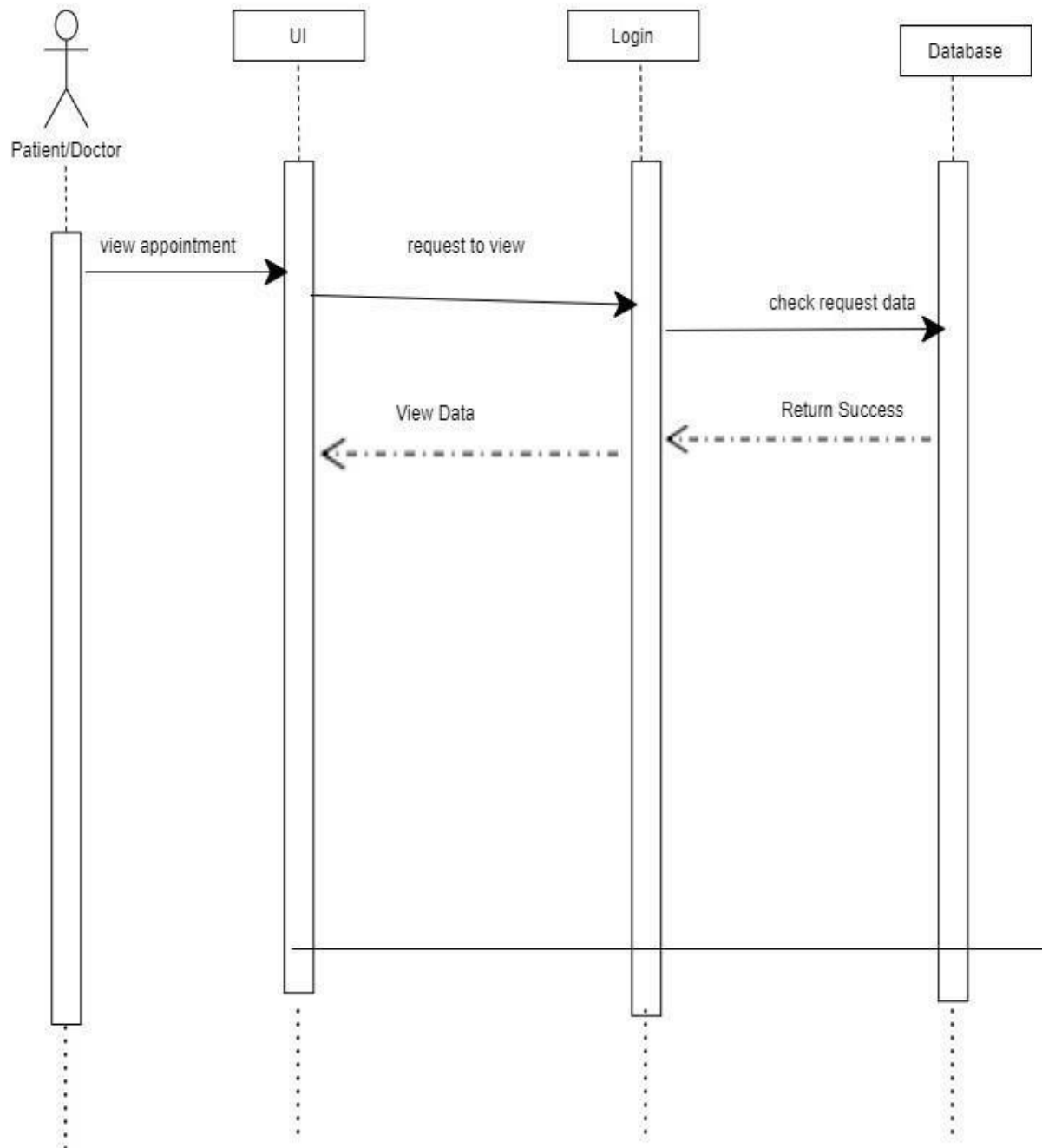
### Search Doctor

#### Search Doctor



## For View Appointment

### View Appointment



## 4.5 ER Diagram

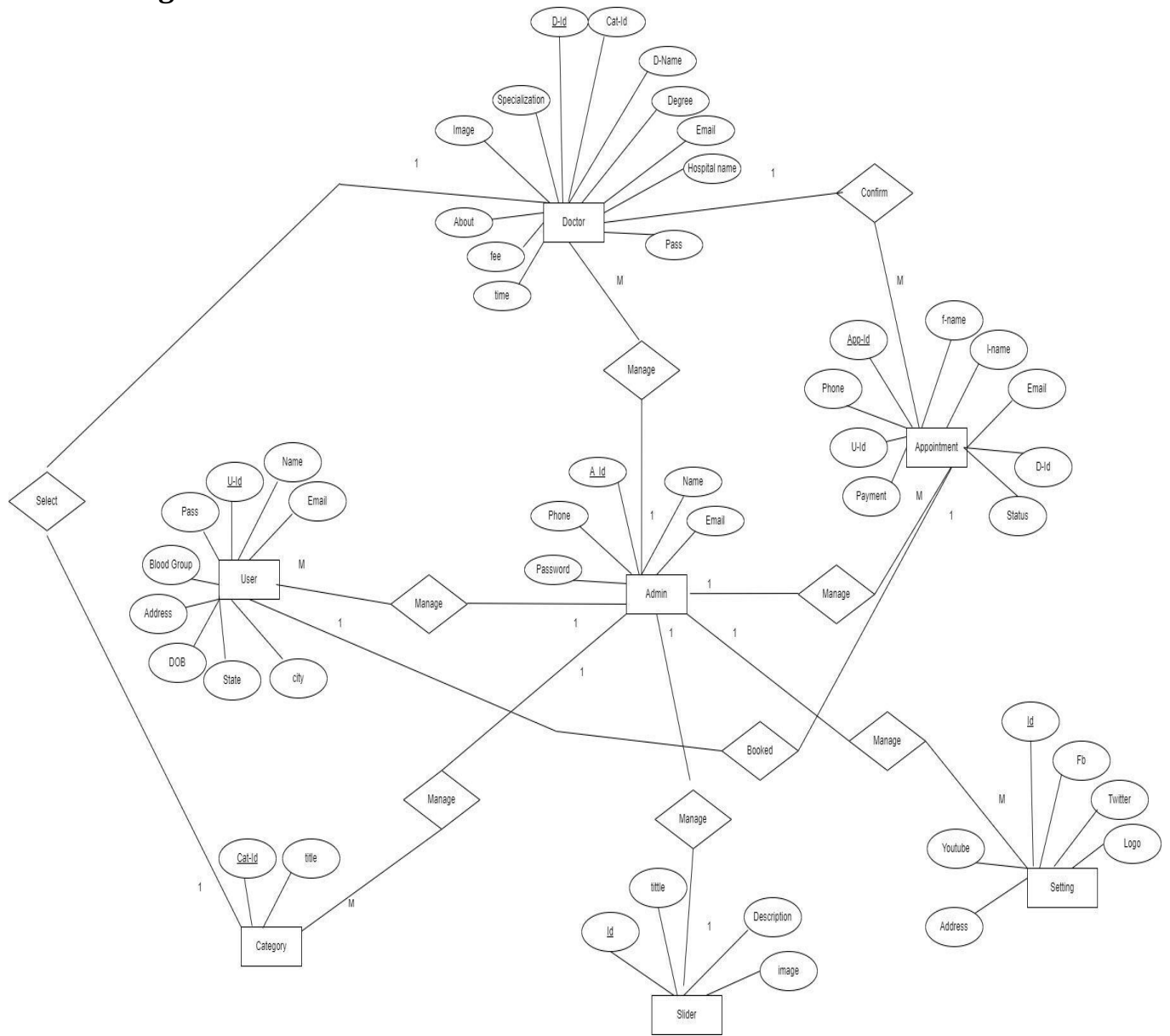


Fig 4.5 ERD

## 4.6 class Diagram

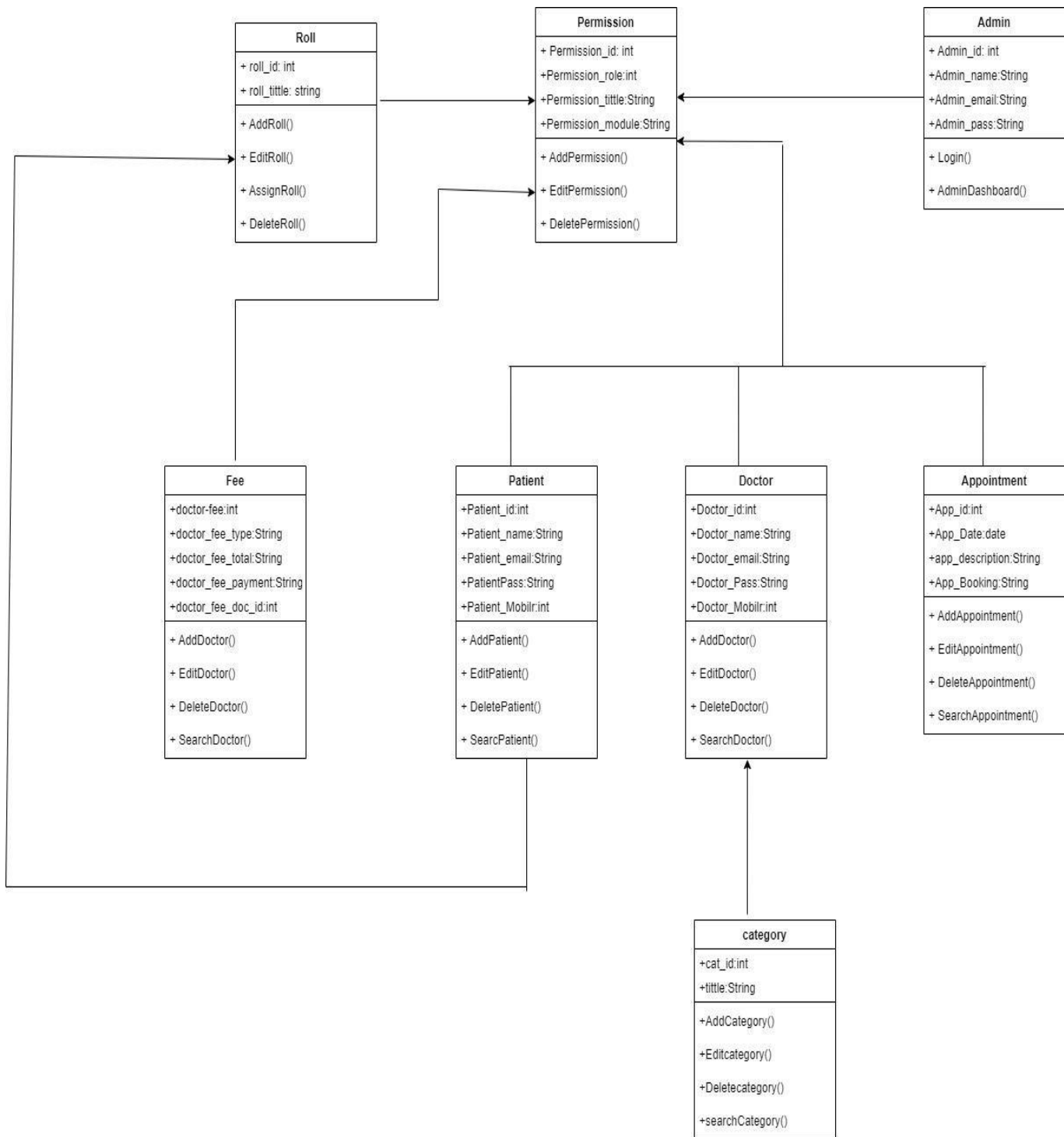


Fig 4.6 Class Diagram

## **PART-FIVE**

### **END-TO-END EVALUATION**

#### **5.1 Overview**

Testing is an essential step in the software creation process, ensuring that the integrated system meets the specified requirements. It involves evaluating the system's functionality, performance, security, and overall behavior under various conditions.

For example -

- Functional Testing
- Unit Testing
- Integration Testing
- System Testing
- Acceptance Testing

##### **5.1.1 Test Objectives**

| Figure | Designation    | Details                                             | Precedence |
|--------|----------------|-----------------------------------------------------|------------|
| I.     | Enrollment     | Verification of client authentication processes.    | 3          |
| II.    | Login          | Verification of user authentication processes.      | 3          |
| III.   | Search Doctor  | Validating the search features for finding doctors. | 2          |
| IV.    | Manage Profile | Ensuring users can view and update their profiles.  | 3          |
| V.     | Logout         | Ensure the session is terminated upon signout.      | 3          |

At this point, 1 = Less Critical; 2 = Moderate Criticality; 3 = Top Criticality

##### **5.1.2 Test Plan**

The testing schedule is divided into different phases, each focusing on specific modules of the system:

| Test Phase              | Time   |
|-------------------------|--------|
| Test Plan               | 1 Week |
| Test Specification      | 2 Week |
| Test Specification Team | 1 Week |
| Component Test          | 3 Week |

|                  |          |
|------------------|----------|
| Integration Test | 2 Week   |
| System Testing   | 3,4 Week |

## 5.2 Test Methods

The testing strategies employed include both manual and automated testing methods to ensure thorough coverage:

- **Manual Testing:** Conducted by testers who execute test cases manually without using automated tools.
- **Automated Testing:** Utilizing testing tools to execute predefined test scripts, ensuring consistency and efficiency in repetitive tests.

## 5.3 Testing Instances

### 5.3.1 Test Instance 01: Sign-In Process

| Trial Example: 01              |                                                                       | Trial Example Title: SignIn                          |               |                                       |
|--------------------------------|-----------------------------------------------------------------------|------------------------------------------------------|---------------|---------------------------------------|
| Platform: Authentication Entry |                                                                       | Section: Not Available                               |               |                                       |
| Developed by: Emran Karim      |                                                                       | Plan Timestamp: 7-5-2024                             |               |                                       |
| Performed by: Emran Karim      |                                                                       | Performance Timestamp: 8-5-2024                      |               |                                       |
| Phase                          | Task                                                                  | Anticipated system reaction                          | Valid/Invalid | Opinion                               |
| i.                             | When the user enters login credentials and clicks the sign-in option. | Prompt 'Email required' if email is not provided.    | Approve       | Email field is mandatory.             |
| ii.                            | Upon email entry by the user.                                         | This project indicates the email field is mandatory. | Approve       | A valid email is required to sign in. |

### 5.3.2 Test Instance 02 (Explore Doctor)

|                           |  |                                     |  |
|---------------------------|--|-------------------------------------|--|
| Trial Example: 02         |  | Trial Example Title: Explore Doctor |  |
| System: Search Doctor     |  | Section: Not Available              |  |
| Developed by: Emran Karim |  | Plan Timestamp: 4-5-2024            |  |
| Performed by: Emran Karim |  | Performance Timestamp: 9-5-2024     |  |

| Phase | Task                                                   | Anticipated system reaction                                     | Valid/Invalid | Opinion                                      |
|-------|--------------------------------------------------------|-----------------------------------------------------------------|---------------|----------------------------------------------|
| 1     | When someone enter Doctor name and click search Doctor | If Doctor name does not match the system show Doctor not found. | Pass          | Doctor name required                         |
| 2     | When user enters Doctor name                           | The system shows Doctor .                                       | Pass          | A valid NID is required for the application. |

## 5.4 Test Outcome Criteria

- **Valid:** The system behaves as expected, and the output matches the expected results.
- **Invalid:** The system does not perform as expected, or discrepancies are found in the output.

## 5.5 Partition Testing

Class-Based Testing acts as a structured and efficient input testing method that divides data into distinct groups. The core idea behind ECP is that test cases derived from each partition are representative of all possible values within that partition. This approach helps in significantly reducing the number of test cases required while ensuring comprehensive coverage of the input domain.

In practice, ECP involves identifying valid and invalid input classes, selecting representative values from each class, and verifying that the software behaves as expected for these values. By doing so, testers can efficiently uncover defects and ensure that the system handles various input conditions correctly. ECP is particularly valuable in situations where the input space is large and exhaustive testing is impractical.

### **5.5.1 Behavioral Testing**

Focuses on testing the system from an external perspective without knowledge of the internal code structure. Test cases are derived from the system's specifications.

### **5.5.2 Structural Testing**

Involves testing the internal structures or workings of an application, often performed by developers. It ensures that all possible paths and conditions are tested.

## **5.6 Testing Infrastructure**

- **Hardware:**

- Minimum: Dual-core processor, 4GB RAM, 500GB hard drive
- Recommended: Quad-core processor, 8GB RAM, 1TB SSD

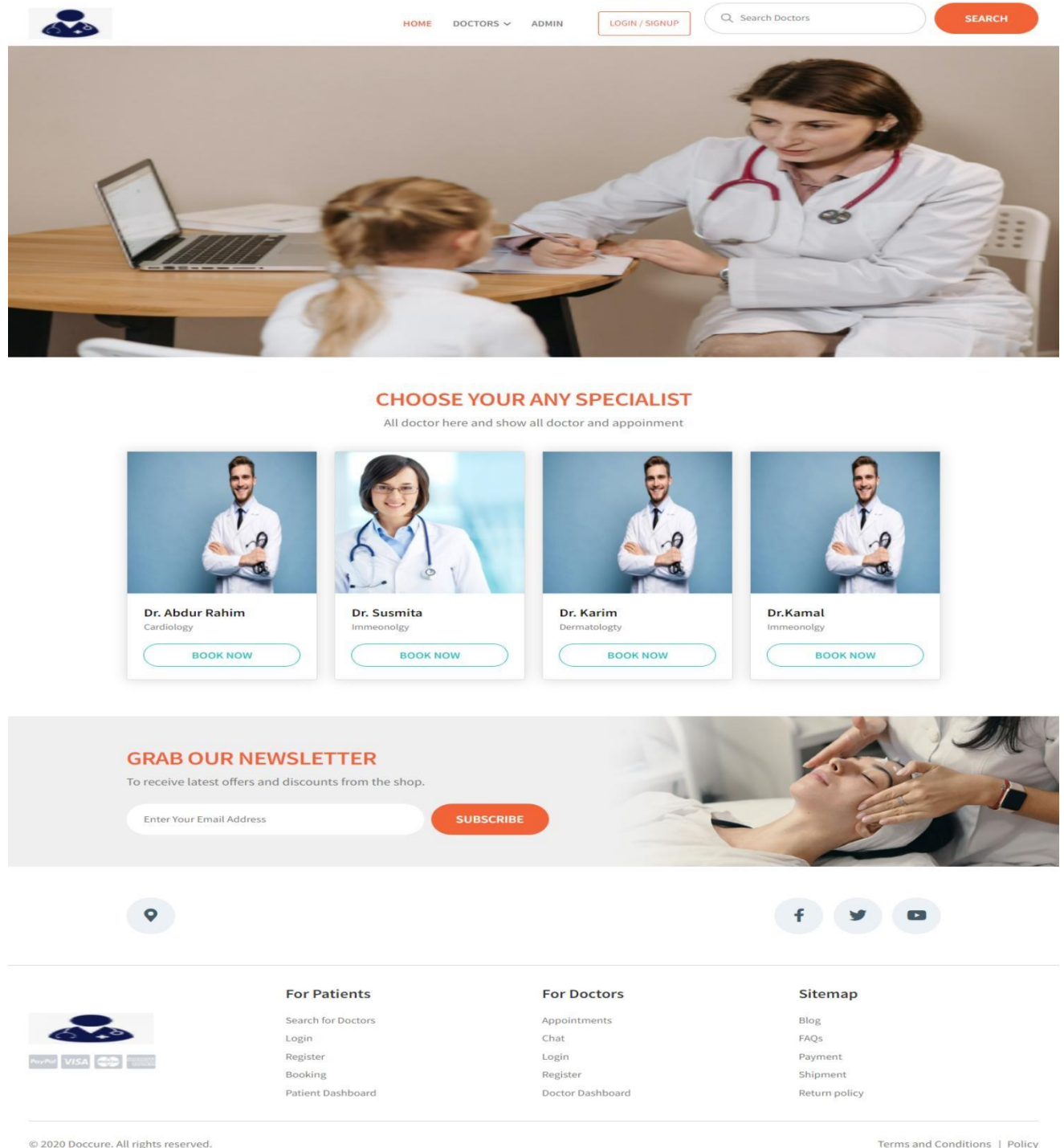
- **Software:**

- Operating System: Windows 10, macOS, or Linux
- Web Browsers: Chrome, Firefox, Edge
- Testing Tools: Selenium, JUnit, Postman
- Database: MySQL

## **CHAPTER - 06**

# UI Design

## Home Page



## User Registration

### User Register

---

Name

Email

Password

Confirm Password

[I already have an account](#)

## User Login

User Login

Email

admin@gmail.com

Password

\*\*\*\*\*

Login

[Create new Account](#)

# Patient Profile



[HOME](#) [DOCTORS](#) [ADMIN](#) [Profile](#)

[LOGOUT](#)

[SEARCH](#)

Home <https://doccure.html.dreamsyntech.com/> Dashboard  
**Dashboard**



**Raihanul Islam**  
raihan@gmail.com

[Dashboard](#)

[Update Profile](#)

[Change Password](#)

[Logout](#)

**Appointments**

[Prescriptions](#)

[Medical Records](#)

[Billing](#)

| Serial Number | Doctor                  | Amount | Status                 | Action |
|---------------|-------------------------|--------|------------------------|--------|
| 17            | Dr. Kamal<br>Immeonlogy | TK     | Finaly Done Appoinment |        |



## For Patients

[Search for Doctors](#)  
[Login](#)  
[Register](#)  
[Booking](#)  
[Patient Dashboard](#)

## For Doctors

[Appointments](#)  
[Chat](#)  
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# Appointment Form



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[SEARCH](#)

[Home](#) <https://doccure.html.dreamhosttech.com/> [Checkout](#)

### Checkout

#### Personal Information

mm/dd/yyyy 

--:-- -- 

Existing Customer? [Click here to login](#)

#### Payment Method

☒ Hand Cash

[Confirm and Pay](#)

#### Booking Summary

 **Dr. Susmita**  
 Immunology

Consulting Fee

1200 TK

Total

1200 TK







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## Doctor Registration

### Doctor Register

---

Name

Email

Hospital

specialist

Category

Select Category ▼

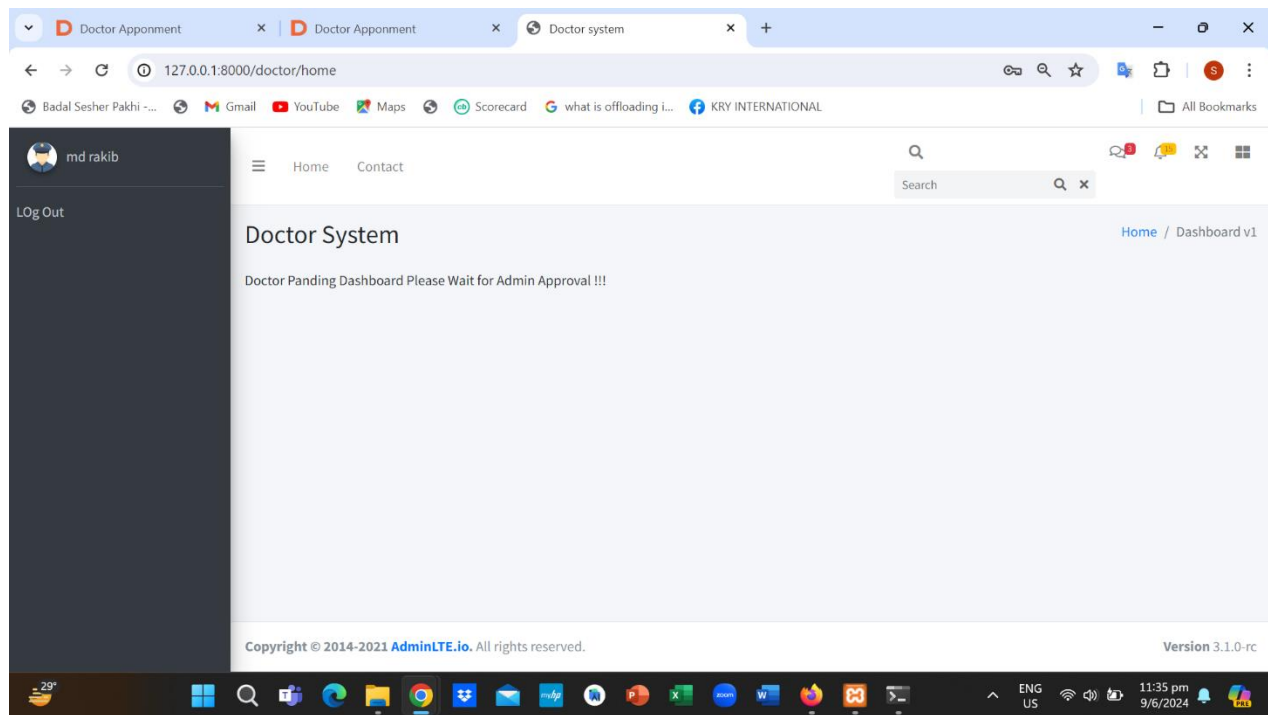
Password

Confirm Password

Register

[I already have an account, Login now](#)

## Doctor Dashboard



# Doctor Profile



[HOME](#) [DOCTORS](#) [ADMIN](#) [Profile](#) [LOGOUT](#)

[SEARCH](#)

[Home](#) [https://daffodil-international.com/](#) Doctor Profile



**Dr. Susmita**  
Immunology

Immunology

★★★★★ (35)

New York, USA - [Get Directions](#)

Dental Fillings

Teeth Whitening

99%

35 Feedback

New York, USA

1200 Tk

[BOOK APPOINTMENT](#)

Overview

Locations

Reviews

Business Hours

Day

Open Now

|           |                 |
|-----------|-----------------|
| Monday    | off Day         |
| Tuesday   | 8.00-AM-1.00PM  |
| Wednesday | off Day         |
| Thursday  | 8.00-AM-1.00PM  |
| Friday    | off Day         |
| Saturday  | 8.00-AM-1.00PM  |
| Sunday    | 1.00AM--10.00PM |







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## Doctor Modify Info

 Dr. Kamal

Dashboard

Appointment

Profile Update

Log Out

Home

Contact

Search

Search

Home / Slider Page

Slider Add

Name

Dr.Kamal

Email

kamal@gmail.com

About Me

About Me

Universiyu name

university name

Degree

degree

year

year

Experience

Experience

experience year

experience year

Awards date

Awards date

Awards Name

award name

award description

award description

Saturday Time

Saturday Time

Sunday Time

Sunday Time

Monday Time

Monday Time

Tuesday Time

Tuesday Time

Wednesday Time

Wednesday Time

Thursday Time

Thursday Time

Friday Time

Friday Time

Price

Price



Image

Choose File

No file chosen

Update Profile

Cancel

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## Admin Dashboard

## Doctor List

The screenshot shows a web application interface for managing a list of doctors. The browser has multiple tabs open, including 'Doctor Apponment' and 'Admin Doctor system'. The address bar shows the URL '127.0.0.1:8000/doctor/list'. The interface includes a sidebar menu with options like 'Dashboard', 'Slidde Maintain', 'Category Maintain', 'Manage Doctor', 'Manage Patent', 'Team Maintain', and 'General settings'. The main content area is titled 'Slider Page' and displays a table of doctors. A green notification banner at the top right states 'Accept Doctor Account Successfully.' The table has columns for Image, Name, Email, Specialization, Price, Permission, and Action. The data rows show doctors like SANDIP SARKER, MD. Golam Mostafa, and MD. Pavel, with their respective specializations and actions like 'Confirm' and 'Delete'.

| Image       | Name              | Email                    | Specialization | Price | Permission    | Action |
|-------------|-------------------|--------------------------|----------------|-------|---------------|--------|
| order image | SANDIP SARKER     | sandipsarker58@gmail.com | Nerology       |       | Confirm       | Delete |
| order image | MD. Golam Mostafa | mostafa1@gmail.com       | Nerology       |       | Accept Doctor | Delete |
| order image | MD. Golam Mostafa | mostafa@gmail.com        | cardiology     |       | Confirm       | Delete |
| order image | MD. Pavel         | rjarian1@gmail.com       | heart          |       | Confirm       | Delete |
| order image | MD. Golam Mostafa | mostafa12@gmail.com      | heart          |       | Confirm       | Delete |

## PART -SEVEN Operation Overview

### 7.1 Constraints

- The primary constraint is that the system's inability to process large volumes of data points and signals simultaneously.

### 7.2 Challenges & Successes

## **Challenges**

- Mastering to new technologies and environments poses difficult.
- Completing work within a limited time frame is difficult.
- Gathering requirements is tough.

## **Successes**

- Successfully built a project.
- Learned new technology.
- Gained experience deploying a project on a live server.
- Gained real-life experience and knowledge about the documentation and development process.

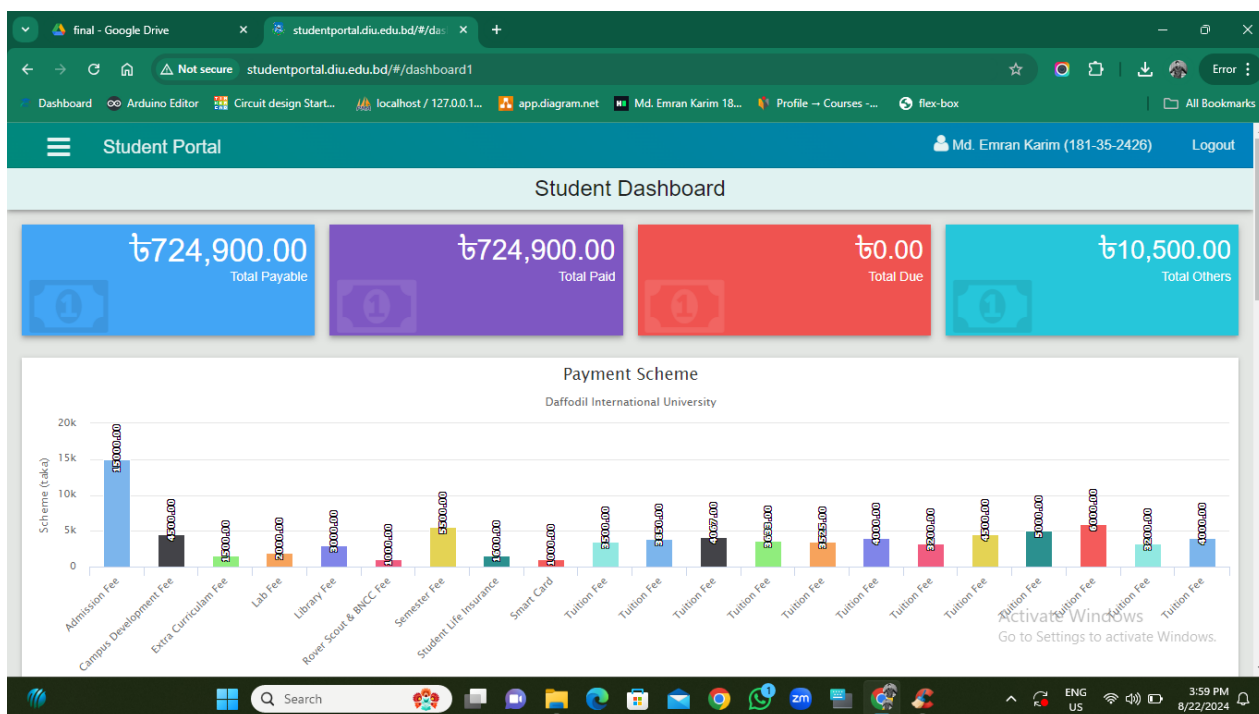
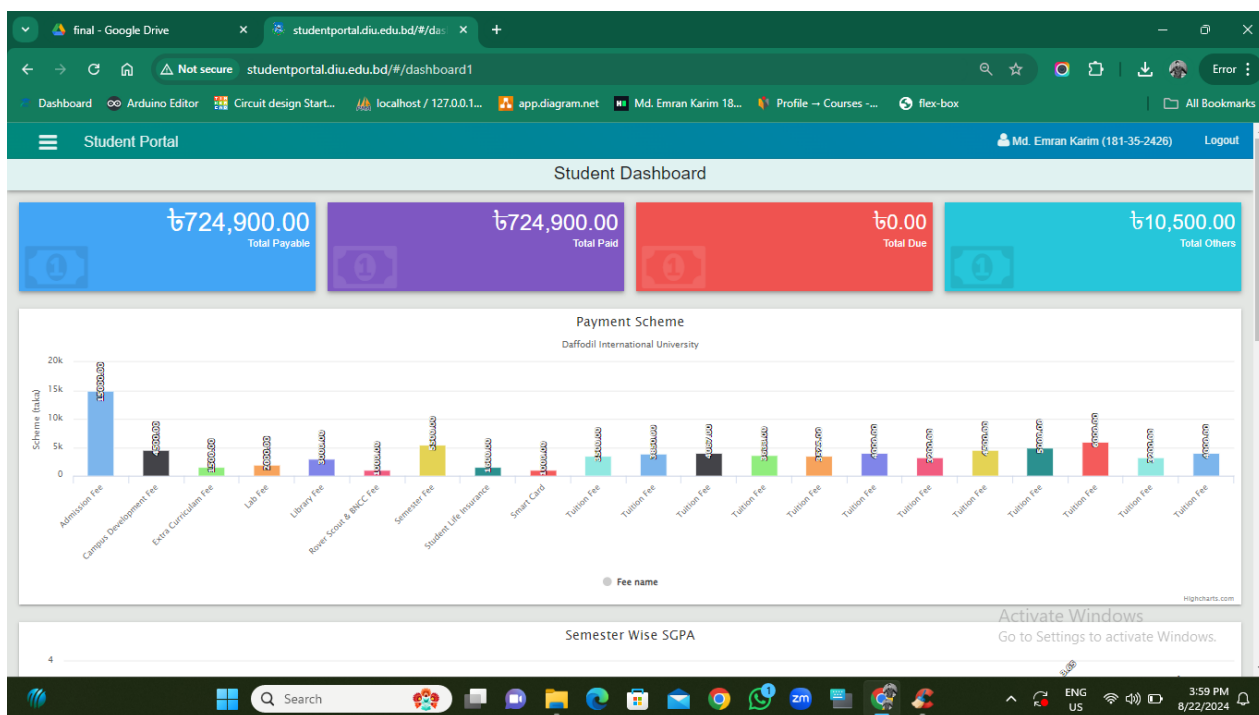
## **7.3 Upcoming Tasks**

- Upcoming efforts will encompass substantial modifications, including the addition of new features to broaden the system's capabilities.

## **Source List**

1. <https://nevonprojects.com/doctor-appointment-booking-system/>
2. <https://www.teamgantt.com/what-is-a-gantt-chart>
3. <https://app.diagrams.net/>

### No Due Screenshot



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