Doctor Information Portal

Submitted by

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This Project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering.

APPROVAL

This project titled on "Doctor Information Portal", submitted by Niaz Murshed Siam, ID: 173-35-2262 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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DECLARATION

I hereby declare that I have taken this project under the supervision of Asif Khan Shakir, Lecturer (Senior Scale), Daffodil International University. I also declare that neither this project nor any part of this project has been submitted elsewhere for the award of any degree.

Niaz Murshed Siam

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ACKNOWLEDGEMENT

To begin, I'd want to express my gratitude to Allah, the Almighty. I have put in effort in my project. It would not have been possible without the generous support and cooperation of many people. I'd want to express my heartfelt gratitude to each and every one of them.

Asif Khan Shakir, Lecturer (Senior Scale), Department of SWE, Daffodil International University, Dhaka, has my profound gratitude and desire for my deep accountability.

To complete this research, I relied on my supervisor's sound judgment and keen interest in the topic of "Doctor Information Portal." This project could not have been completed without his unwavering leniency, scholarly guidance, consistent inspiration, persistent and careful supervision, constructive criticism, and helpful counsel.

I'd want to show my gratitude to Asif Khan Shakir, Lecturer (Senior Scale), as well as the other faculty members and staff of Daffodil International University's SWE department, for their assistance in completing my research.

Finally, I'd like to express my gratitude to my parents for remembering me in their prayers and encouraging me to improve at every turn. I would not be successful without their love and support.

Dedication

This attempt is dedicated to my honorable Father and Mother, my supervisor, and my honorable teachers, all of them are constantly costly and close to me. It would not have been possible to reach this point without their patience, understanding, unwavering support, care, love, and cherishing.

Abstract

It is an online based activity where anyone can search any kind of Doctor Information. Doctor information portals are being used for a variety of purposes. The doctor service and cadet alumni are seeking for new ways to make their regular operations more visible. A website that automates all aspects of doctor management could be referred to as a doctor information portal. The doctor will provide the patient with additional services at no cost. Doctors in the disciplines of general medicine, surgery, cavity prevention, pediatrics, and kidney illness will use the online medium. The patient should make an appointment with the doctor before going. A doctor is also on call 24 hours a day, 7 days a week, and a phone service is available. Doctors will be able to maintain their own blogs. The doctors will post the counseling message here. At the same moment, all of the Cadet Doctors were brought in. All cadet graduates will be aware of the cadet doctors' batch and current location. This will aid in the formation of a cadet doctor community. The doctor will be able to see a list of patients who have taken the doctor's flat. He'll have access to the patient over the internet. The patient will select Doctor Specialist Book Appointment from the drop-down menu after setting a date in the calendar. Then, before pressing the submit button, he will be presented with an input window in which he will enter his information. As a result, he will be able to make doctor appointments. All of the information that a patient receives after logging in is visible to all of the other patients.

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Chapter 1

Introduction

It is an online based activity where anyone can search any kind of Doctor Information. People are now using doctor information portals for a variety of reasons. The doctor service and cadet alumni are looking for ways to publicize their daily activities. A doctor information portal could be a website that automates all aspects of doctor management. The doctor will give the patient with complimentary services. The internet medium will be used by doctors in the fields of general medicine, surgery, cavity protection, pediatrics, and kidney disease. Before seeing the doctor, the patient should schedule an appointment. There is also a doctor on call and a phone service available 24 hours a day, 7 days a week. Doctors will have their own blog. The counseling message will be posted here by the doctors. Cadet Doctors were all brought in at the same time. The cadet doctors' batch and current location will be known to all cadet graduates. This will help to establish a cadet doctor community. The list of patients who have taken the doctor's flat will be visible to the doctor. He'll be able to view the patient via the internet. The patient will first set a date in the calendar, then select Doctor Specialist Book Appointment from the drop-down menu. After that, he will be presented with an input window in which he will enter his information before pressing the send button. He will be able to schedule doctor appointments as a result of this. After a patient logs in, all of the information the patient receives is visible to all of the other patients.

I need to decide on the language and tools I'll use to prepare my project. Model View Controller (MVC) which is one of the most effective strategies for creating PHP applications has numerous variations such as Laravel, Symfony, CodeIgniter, CakePHP, etc. For my project, I find ReactJs, NodeJs, Expressjs, and mongodb to be useful. I had no idea how to use ReactJs, NodeJs, Expressjs, or mongodb before starting this project. At the time, I was studying the System and had gained some expertise. I have a search for how to run a doctor information portal in my report.

1.1 Project Overview:

The doctor will be able to see the patient online. Patients will be able to see a doctor online. The doctor will be able to book according to when the doctor is sitting in the chamber. You will see many doctor lists and description. Creating a community of cadet doctors

1.2 Project Purpose:

Information on cadet alumni will also be available. Poor patients can be treated for free by bringing all cadet alumni together. Creating a community of cadet doctors. Hopefully, this online system will decrease the complexity of that problem.

1.3 Motivation:

Inspiration is exceptionally pivotal to create any decision as well as to bridge any errand adequately. I accomplished driving force from my supervisor to construct my arranging tasks. His forthwith correspondence reality is that it is exceptionally vital for my lifetime. He boosts me each period of the venture.

1.4 Objectives:

My project purpose is to facilitate the doctor and patient by doctor information portal. Then, I have done the research and found that one-third of them do not use doctor information portal those who use the technology is not modernizing which is the fact of wastage of time. In my portal, I will remove this type of problem, on the other hand, my doctor information portal will upgrade day by day because I will be continuing my project in the future scope.

1.5 Expected Outcome:

Information on cadet alumni will also be available. Poor patients can be treated for free by bringing all cadet alumni together.

Background:

1.1.1 Technical Perspective:

I have been working on a real-life project using ReactJs, NodeJs and Mongodb Database.

1.1.2 Domain Perspective:

I have tried to do something new like Doctor Information System.

1.1.3 Benefits:

- Collection Information
- The services of a doctor can be taken easily.
- Doctors will then create communication with other doctors
- Reduce time cost

1.1.4 Goals:

The main goals of this project is to-

- Making a User-friendly and easy interface website.
- Decrease the complexity of those existing system process using this online system.
- Reduce the complexity of Doctor.

1.1.5 Stakeholders:

The main stakeholder's are-

- Admin
- Doctor
- Patient

1.1.5 Project Schedule:

1.1.6.1 Gantt Chart:

Doctor Information System Gantt chart

	Starting Date	End Date
Planning	**10 May,2021**	**5 june,2021**
Analysis	**15 june,2021**	**20 aug,2021**
Design	**25 aug,2021**	**15 sep,2021**
Implementation	**19 sep,2021**	**20 nov,2021**
Testing	**22 nov,2021**	**2 dec,2021**
Release	**4 dec,2021**	**10 dec,2021**

Figure 1.1: Gantt chart for Doctor Information Portal

CHAPTER 2

BACKGROUND STUDY

2.1 Background of Project:

Now people are utilizing doctor information portal for differing purposes. The doctor service and cadet alumni are seeing for the scope to promote their everyday actions. A doctor information portal may be a portal that computerizes all the processes included in doctor management. The doctor will provide services to the patient for free. Doctor General Medicine, Surgery, Cavity Protection, Child and Kidney patients will see the online medium. The patient should make an appointment with the doctor before seeing the doctor. There is also 24 hour doctor service and phone service. Doctors will have a blog site. Doctors will upload the counseling message here. Cadet doctors have been brought here in one go. All cadet alumni will know what batch the cadet doctors were and where they are now working. This will build up a cadet doctor community. The doctor will be able to see the list of patients who have taken the doctor's apartment. He will be able to see the patient through online. The patient will first fix the date in the calendar then he will click on Doctor Specialist Book Appointment. After that input box will come where he will give his information then click on send button. Through this he will be able to make doctor appointment. After the patient logs in, all the information that the patient receives will be seen by all the patient.

2.2 Related Work:

As this project is the way of doctor portal so we have a quest on the websites that are available now on the internet. The websites are available at present on the internet.

Existing websites:

- Praavahealth
- Doctorola

2.3 Challenges:

The challenge is accepted in its entirety. Attempt to resolve all existing activity leaks and add unique features. The goal of the project is to achieve project success, which we will do by adding more files to the project.

CHAPTER 3

Software Requirement Specification:

All requirement specifications are described in this section are based on this project.

3.1 Functional Requirements:

FR -01	Admin Registration
Description	He or she will only be able to see the website if he or she is not a registered admin in this system. This module will assist the admin with registering for the system.
Stakeholders	Admin

FR -02	Admin Profile
Description	Only the registered administrator has access to the profile. This module will allow the admin to view his or her own profile.
Stakeholders	Admin

FR -03	Doctor Detail’s
Description	Only registered admins have access to the Doctor's information. This module will assist the administrator in viewing Doctor information.
Stakeholders	Admin

FR -04	Patient Information
Description	Patient information can only be added by registered admins. This module will assist the admin in entering patient information.
Stakeholders	Admin

FR -05	Doctor Registration
Description	He or she will be allowed to see the website if he or she is not a registered doctor in this system. However, non-registered doctors are unable to access the website. This module will assist the patient in completing the registration process.
Stakeholders	Doctor

FR -06	Add Doctor
Description	After registering the doctor he will go to the dashboard then he will click add doctor then a form will come he will fill up with his information then click submit button then doctor profile will be build.
Stakeholders	Doctor

FR -07	Doctor Service
Description	The doctor will provide services to the patient for free. Doctor General Medicine, Surgery, Cavity Protection, Child and Kidney patients will see the online medium. The patient should make an appointment with the doctor before seeing the doctor. There is also 24 hour doctor service and phone service
Stakeholders	Doctor

FR -08	Doctor Blog
Description	Doctors will have a blog site. Doctors will upload the counseling message here.
Stakeholders	Doctor

FR -09	Doctor Community
Description	Cadet doctors have been brought here in one go. All cadet alumni will know what batch the cadet doctors were and where they are now working. This will build up a cadet doctor community.
Stakeholders	Doctor

FR -10	Seeing the patient
Description	The doctor will be able to see the list of patients who have taken the doctor's apartment. He will be able to see the patient through online.
Stakeholders	Doctor

FR -11	Profile
Description	Only registered Doctor he/she will only be able to see profile. This module will help the doctor to see he/she profile
Stakeholders	Doctor

FR -12	Patient Registration
Description	A patient who is not registered in this system will only be able to view the webpage. This module will assist the patient in completing the registration process.
Stakeholders	Patient

FR -12	Add Patient
Description	The patient will first register via email. Then it can be added.
Stakeholders	Patient

FR -13	Doctor Appointment
Description	The patient will first fix the date in the calendar then he will click on Doctor Specialist Book Appointment. After that input box will come where he will give his information then click on send button. Through this he will be able to make doctor appointment.
Stakeholders	Patient

FR -14	Patient Personal opinion
Description	The patient will write something about the benefits of this website.
Stakeholders	Patient

FR -15	All Patient Information
Description	After the patient logs in, all the information that the patient receives will be seen by all the patient.
Stakeholders	Patient

FR -16	Profile
Description	Only the registered patient will be able to see the profile. This module will assist the patient in viewing his or her profile.
Stakeholders	Doctor

3.2 Performance Requirements:

3.2.1 Speed and Latency Requirements:

This system required a fair speed especially when an admin can add doctor and patient can see.

PR -1	Page Refresh Rate
Description	The page will appear in a moment while the admin, doctors, and patients are viewing this system. It also depends on the internet connectivity of the admin, doctors, and patients.
Stakeholders	admin, doctors and patients

3.2.2 Accuracy Requirements:

There are nothing specific accuracy requirements

3.2.3 Capacity Requirements:

The system is able to manage all the information admin, doctors and patients.

PR -2	At initially, the system will have all of the information on the admin, doctors, and patients who have registered.
Description	At initially, the system will have all of the information on the admin, doctors, and patients who have registered. The database will store the information of registered admin, doctors, and patients.
Stakeholders	admin, doctors and patients

PR -3	All of the applicant's information will be stored in the system.
Description	The information about the applicant will be saved in a database.
Stakeholders	Admin and doctors

3.3 Dependability Requirements:

3.3.1 Reliability Requirements:

Because this is a project involving a Doctor Information Portal, it will be extremely sensitive for administrators, doctors, and patients. Our project's major purpose is to reduce the complexity of the doctor-patient information process. In this manner, I will be able to acquire patient trustworthiness.

3.3.2 Availability Requirements:

This endeavor demands additional project availability.

DR -1	The system must be available seven days a week, 24 hours a day.
Description	The system must be available 24 hours a day, seven days a week. On a regular basis, the system must be updated.
Stakeholders	admin, doctors, patients and system Developer

3.3.3 Robustness and Fault Tolerance Requirements:

DR -2	Over access is managed by the system.
Description	This system can sometimes be abused by several users. Multiple users can access the system at the same time. The mechanism has almost insured that there would be no crushing.
Stakeholders	admin, doctors, patients and system Developer

3.3.4 Safety Critical Requirements:

There are no specific safety-critical requirements.

3.4 Maintainability and Supportability:

3.4.1 Maintenance Requirements:

MR -1	This webpage can be seen at any moment by the system.
Description	Admin can access the site, doctor and patient maintenance. The doctor will provide services to the patient for free. Doctor General Medicine, Surgery, Cavity Protection, Child and Kidney patients will see the online medium. The patient should make an appointment with the doctor before seeing the doctor. There is also 24 hour doctor service and phone service
Stakeholders	Admin and doctors

3.4.2 Supportability Requirements:

There are no explicit standards for supportability.

3.4.3 Adaptability Requirements:

There are no explicit prerequisites for adaptation.

3.5 Security Requirements:

This system has some security requirements. Like-

- Username/Password
- Email Authentication
- Validation
- Authentication

3.5.1 Access Requirements:

The system provides validation and authentication mechanisms to gain access to all modules.

SR -1	A security policy is provided by this system.
Description	He/she will not be allowed to access the website until he/she registers as an admin, manager, or employee in this system. Security services are provided through this method.
Stakeholders	Admin, doctors and Patient

3.5.2 Integrity Requirements:

All usernames and passwords are stored in encrypted form to ensure data security. The username and password are difficult to decode.

3.5.3 Privacy Requirements:

This system patient some security measures. Validation and authentication, for example. All information is saved in a database. All usernames and passwords are encrypted before being saved. Decryption is tricky. This component ensures the safety of clients.

SR -2	All information will be kept private.
Description	All information is kept safe. All information is stored in an encrypted way in the database. It's not easy to figure out.
Stakeholders	Admin, doctors and Patient

3.6 Usability and Human Integrity Requirements:

3.6.1 Ease of Use Requirements:

This method is really simple to use as well as understandable.

3.6.2 Understand-ability and Politeness Requirements:

This system is simple to comprehend and implement.

3.6.3 Accessibility Requirements:

Aside from the ones listed below, there are no further access requirements:
AR-1: Log in as an Admin
AR-2: Log in as a Doctor
AR-3: Log in as an Patient
AR-4: Log out as an Admin
AR-5: Log out as a Doctor
AR-6: Log out as an Patient

CHAPTER 4

Scope of the Study

4.1 Use Case Diagram:

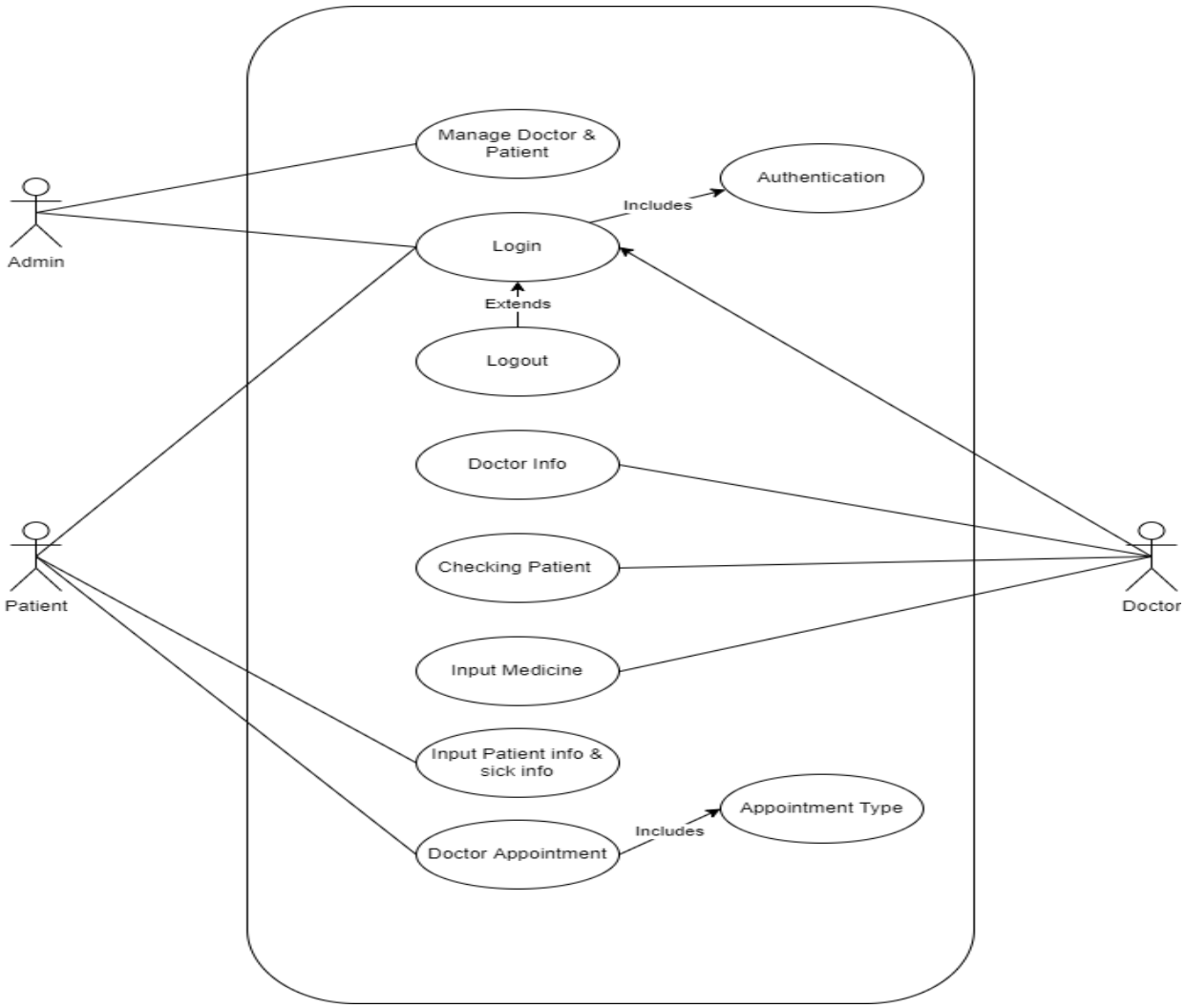

Figure 4.1: Use case Diagram for Doctor Information Portal

4.2 Use case Description:

<table>
<tr><td>Use Case – 01</td><td>Login</td></tr>
<tr><td>Goal</td><td>To handle patients and doctors, an admin login is required. Access to the Dashboard and other information requires a doctor login. After the patient login, the specialist will be able to make an appointment with the doctor.</td></tr>
<tr><td>Preconditions</td><td>It is necessary to log in and enter the correct admin, doctor, and patient email addresses.</td></tr>
<tr><td>Success End Condition</td><td>Come into the system and use all of its functions.</td></tr>
<tr><td>Failed End Condition</td><td>Admins and Doctors are both unable to view all features. The patient is unable to view his or her doctor's appointment or list of doctors.</td></tr>
<tr><td>Actors</td><td>1. Admin
2. Doctor
3. Patient</td></tr>
<tr><td>Trigger</td><td>To use the system, you must first login.</td></tr>
<tr><td>Description</td><td><table><tr><td>Step</td><td>Action</td></tr><tr><td>1</td><td>To use the system, you must first login.</td></tr><tr><td>2</td><td>Please enter the right email address.</td></tr><tr><td>3</td><td>Click google sign in button</td></tr></table></td></tr>
<tr><td>Alternative Flows</td><td>N/A</td></tr>
<tr><td>Quality Requirements</td><td>Don’t provide google authentication</td></tr>
</table>

<table>
<tr><td>Use Case – 02</td><td>Manage Doctor & Patient</td></tr>
<tr><td>Goal</td><td>The admin usually manages the doctor and the patient. Authenticator checks the doctor and the patient.</td></tr>
<tr><td>Preconditions</td><td>It is necessary to log in and enter the correct admin, doctor, and patient email addresses.</td></tr>
<tr><td>Success End Condition</td><td>Admin can manage successfully.</td></tr>
<tr><td>Failed End Condition</td><td>The admin checks whether the doctor is authentic or not. Doctor and patient don’t authentic admin does not allow access</td></tr>
<tr><td>Actors</td><td>1. Admin</td></tr>
<tr><td>Trigger</td><td>To use the system, you must first login.</td></tr>
<tr><td>Description</td><td><table><tr><td>Step</td><td>Action</td></tr><tr><td>1</td><td>Login admin</td></tr><tr><td>2</td><td>Manage doctor and Patient</td></tr></table></td></tr>
<tr><td>Alternative Flows</td><td>N/A</td></tr>
<tr><td>Quality Requirements</td><td>The admin usually manages the doctor and the patient.</td></tr>
</table>

<table>
<tr><td>Use Case – 03</td><td>Doctor Info</td></tr>
<tr><td>Goal</td><td>You will be able to see the dashboard's components if you are a registered doctor. If he goes to the doctor, he can add the doctor by entering the doctor's details.</td></tr>
<tr><td>Preconditions</td><td>It is necessary to log in and enter the correct admin, doctor, and patient email addresses.</td></tr>
<tr><td>Success End Condition</td><td>If you are a logged in doctor then you will have access to all the components of the dashboard.</td></tr>
<tr><td>Failed End Condition</td><td>If the doctor is not logged in, you will not be able to access all the components of the dashboard.</td></tr>
<tr><td>Actors</td><td>1. Doctor</td></tr>
<tr><td>Trigger</td><td>To use the system, you must first login.</td></tr>
<tr><td>Description</td><td><table><tr><td>Step</td><td>Action</td></tr><tr><td>1</td><td>To use the system, you must first login.</td></tr><tr><td>2</td><td>Click add doctor.</td></tr><tr><td>3</td><td>After you've completed the form and hit the submit button.</td></tr><tr><td>4</td><td>The doctor information will be added.</td></tr></table></td></tr>
<tr><td>Alternative Flows</td><td>N/A</td></tr>
<tr><td>Quality Requirements</td><td>Don’t provide google authentication</td></tr>
</table>

<table>
<tr><td>Use Case – 04</td><td>Checking Patient</td></tr>
<tr><td>Goal</td><td>The admin usually manages the doctor and the patient. Authenticator checks the doctor and the patient.</td></tr>
<tr><td>Preconditions</td><td>It is necessary to log in and enter the correct admin, doctor, and patient email addresses.</td></tr>
<tr><td>Success End Condition</td><td>Doctor can manage successfully.</td></tr>
<tr><td>Failed End Condition</td><td>The doctor checks whether the patient is authentic or not. patient don’t authentic admin does not allow access</td></tr>
<tr><td>Actors</td><td>1. Doctor
2. Patient</td></tr>
<tr><td>Trigger</td><td>To use the system, you must first login.</td></tr>
<tr><td>Description</td><td><table><tr><td>Step</td><td>Action</td></tr><tr><td>1</td><td>Doctor is checked by the authenticator.</td></tr><tr><td>2</td><td>The doctor will see the patient</td></tr></table></td></tr>
<tr><td>Alternative Flows</td><td>N/A</td></tr>
<tr><td>Quality Requirements</td><td>The patient is checked by the authenticator.</td></tr>
</table>

<table>
<tr><td>Use Case – 05</td><td>Input Medicine</td></tr>
<tr><td>Goal</td><td>The doctor will see the patient first and then give some medicine to the patient.</td></tr>
<tr><td>Preconditions</td><td>It is necessary to log in and enter the correct admin, doctor, and patient email addresses.</td></tr>
<tr><td>Success End Condition</td><td>Doctor can input medicine successfully.</td></tr>
<tr><td>Failed End Condition</td><td>The doctor checks whether the patient is authentic or not. patient don’t authentic doctor does not allow access</td></tr>
<tr><td>Actors</td><td>1. Doctor
2. Patient</td></tr>
<tr><td>Trigger</td><td>To use the system, you must first login.</td></tr>
<tr><td>Description</td><td><table><tr><td>Step</td><td>Action</td></tr><tr><td>1</td><td>Doctor is checked by the authenticator.</td></tr><tr><td>2</td><td>The doctor will see the patient</td></tr><tr><td>3</td><td>Input the medicine</td></tr></table></td></tr>
<tr><td>Alternative Flows</td><td>N/A</td></tr>
<tr><td>Quality Requirements</td><td>The patient is checked by the authenticator.</td></tr>
</table>

<table>
<tr><td>Use Case – 06</td><td>Input patient info & sick info</td></tr>
<tr><td>Goal</td><td>After the patient has to login, the appointment will be made, the date will be fixed, then the doctor will click the specialist option, input the form, click the send button, the patient information and sick information will be given.</td></tr>
<tr><td>Preconditions</td><td>It is necessary to log in and enter the correct admin, doctor, and patient email addresses.</td></tr>
<tr><td>Success End Condition</td><td>Patient can input patient info & sick info successfully.</td></tr>
<tr><td>Failed End Condition</td><td>The doctor checks whether the patient is authentic or not. patient don’t authentic doctor does not allow access</td></tr>
<tr><td>Actors</td><td>1. Patient</td></tr>
<tr><td>Trigger</td><td>To use the system, you must first login.</td></tr>
<tr><td>Description</td><td><table><tr><td>Step</td><td>Action</td></tr><tr><td>1</td><td>At first login.</td></tr><tr><td>2</td><td>Input sick info & Patient info.</td></tr><tr><td>3</td><td>Click send button.</td></tr></table></td></tr>
<tr><td>Alternative Flows</td><td>N/A</td></tr>
<tr><td>Quality Requirements</td><td>The patient is checked by the authenticator.</td></tr>
</table>

<table>
<tr><td>Use Case – 07</td><td>Doctor Appointment</td></tr>
<tr><td>Goal</td><td>The patient will first fix the date in the calendar then he will click on Doctor Specialist Book Appointment. After that input box will come where he will give his information then click on send button. Through this he will be able to make doctor appointment.</td></tr>
<tr><td>Preconditions</td><td>It is necessary to log in and enter the correct admin, doctor, and patient email addresses.</td></tr>
<tr><td>Success End Condition</td><td>Patient can input doctor appointment successfully.</td></tr>
<tr><td>Failed End Condition</td><td>The patient is authentic or not. patient don’t authentic does not allow access</td></tr>
<tr><td>Actors</td><td>1. Doctor
2. Patient</td></tr>
<tr><td>Trigger</td><td>To use the system, you must first login.</td></tr>
<tr><td>Description</td><td><table><tr><td>Step</td><td>Action</td></tr><tr><td>1</td><td>At first login.</td></tr><tr><td>2</td><td>Appointment Date fixed.</td></tr><tr><td>3</td><td>After you've completed the form and hit the submit button.</td></tr><tr><td>4</td><td>Click send button</td></tr></table></td></tr>
<tr><td>Alternative Flows</td><td>N/A</td></tr>
<tr><td>Quality Requirements</td><td>The patient is checked by the authenticator.</td></tr>
</table>

4.3 Activity Diagram:

Login

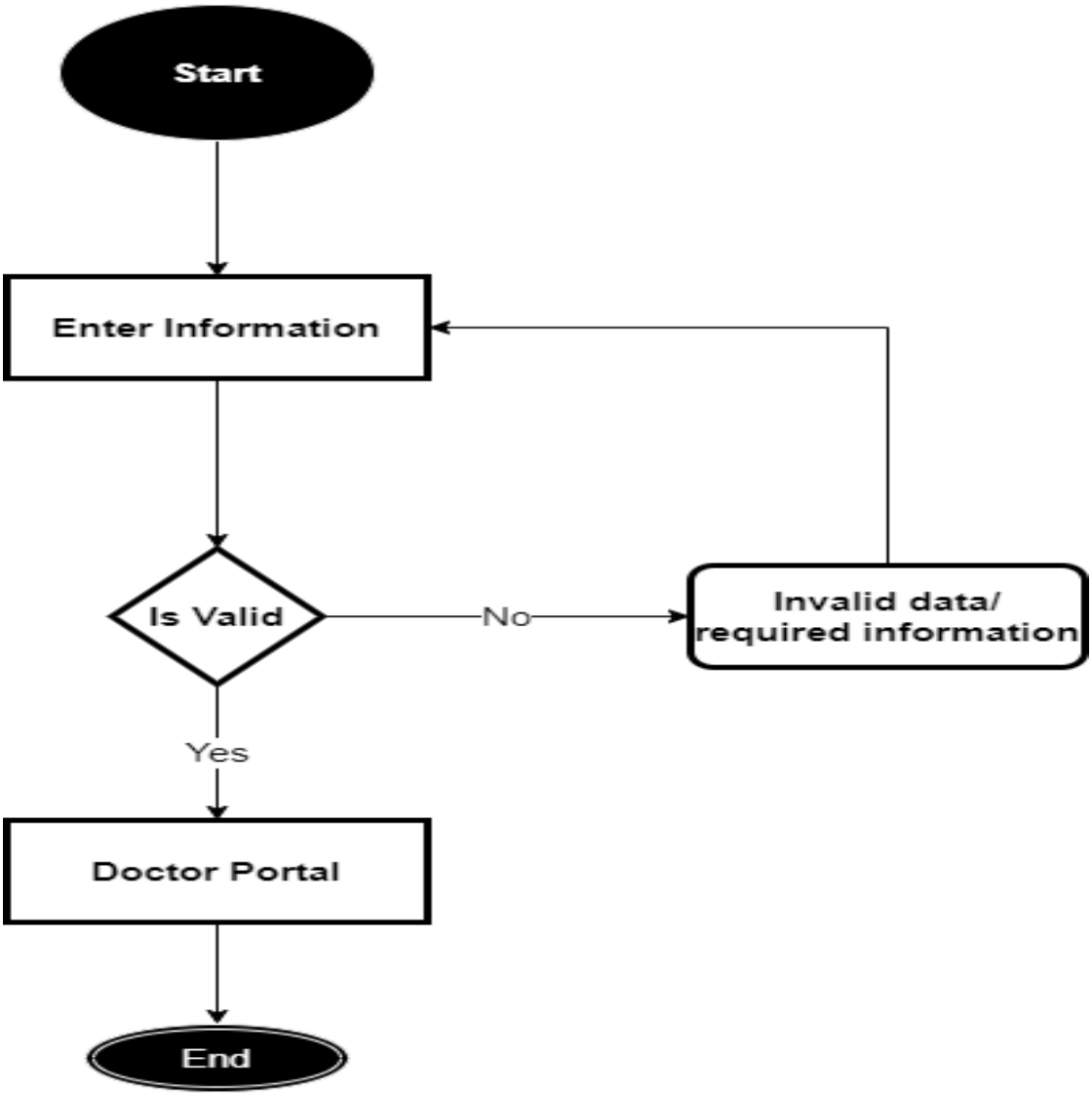

Figure 4.2: Activity diagram for Login

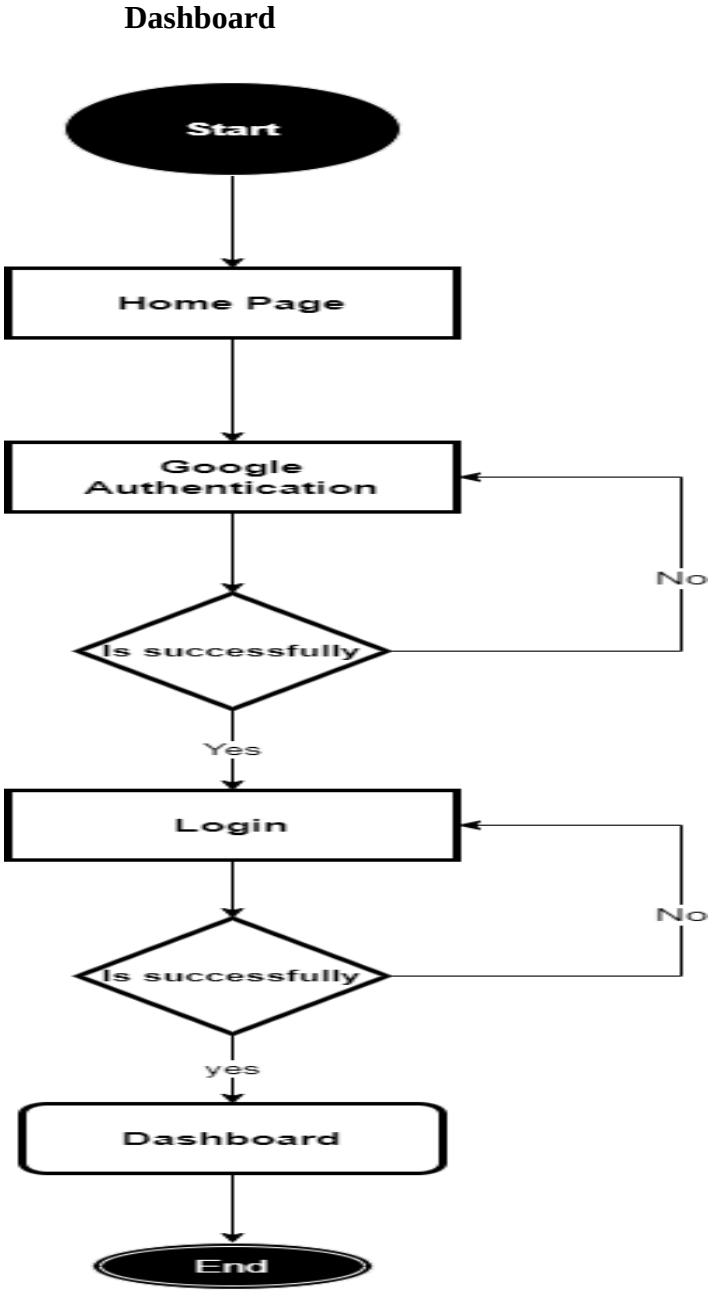

Figure 4.3: Activity diagram for Dashboard

Admin

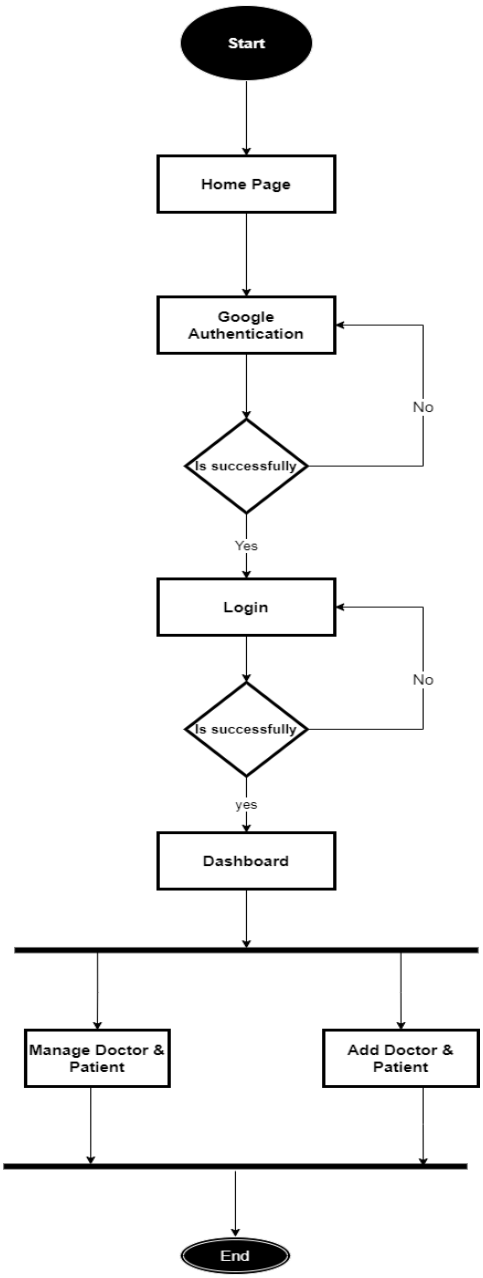

Figure 4.4: Activity diagram fo

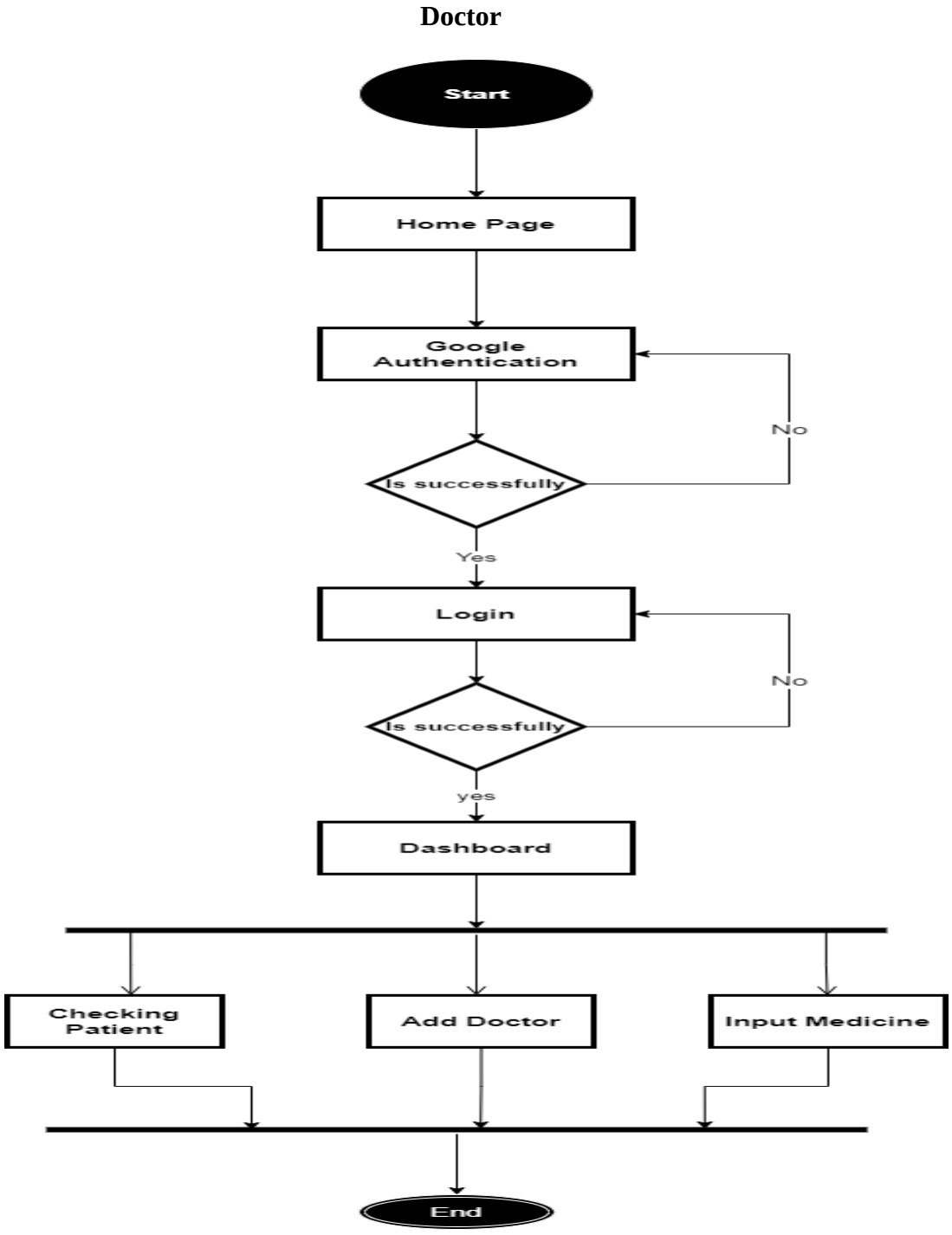

Figure 4.5: Activity diagram for Doctor

Patient

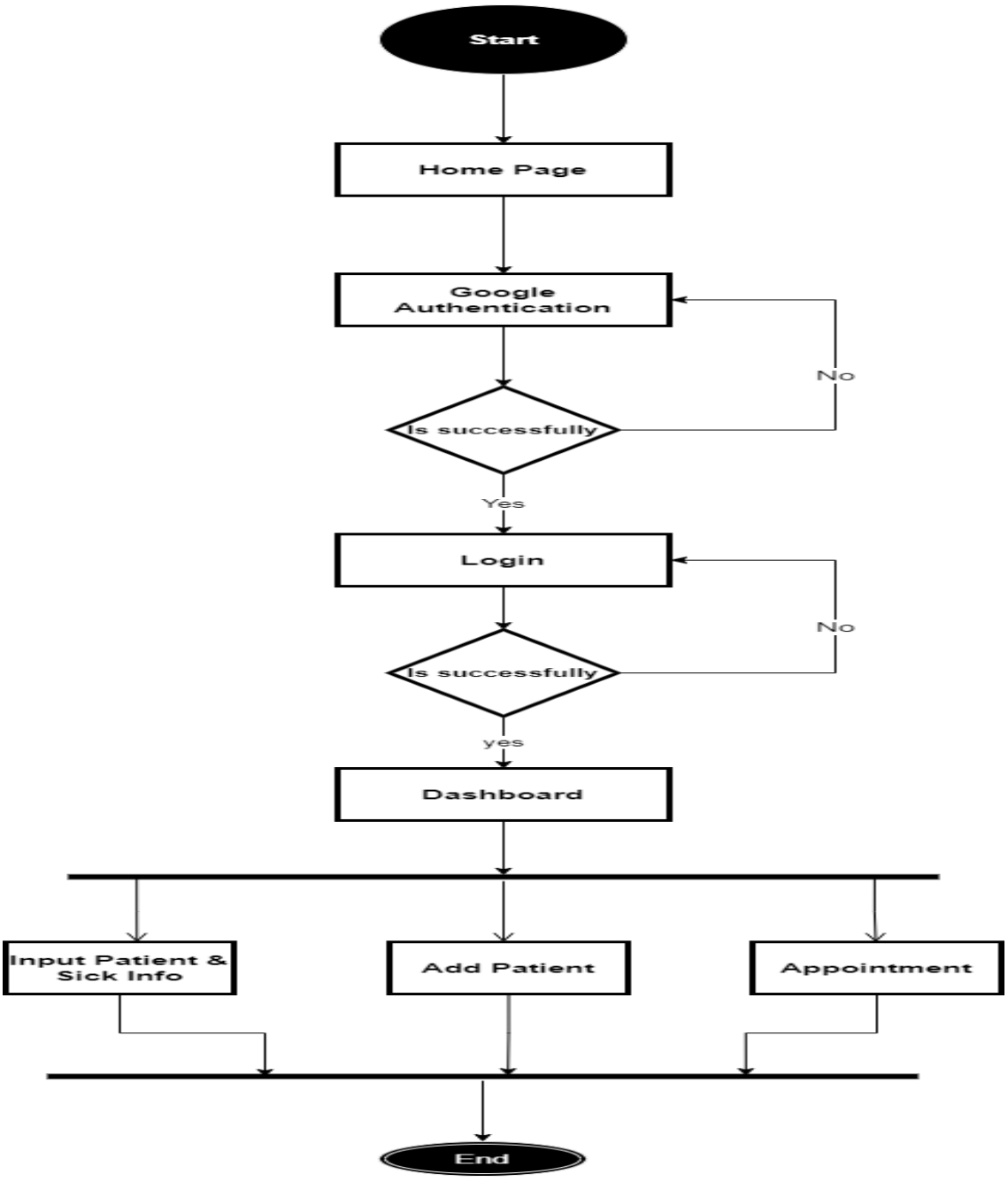

Figure 4.6: Activity diagram for Patient

CHAPTER 5

Diagram

5.1 Sequence Diagram:

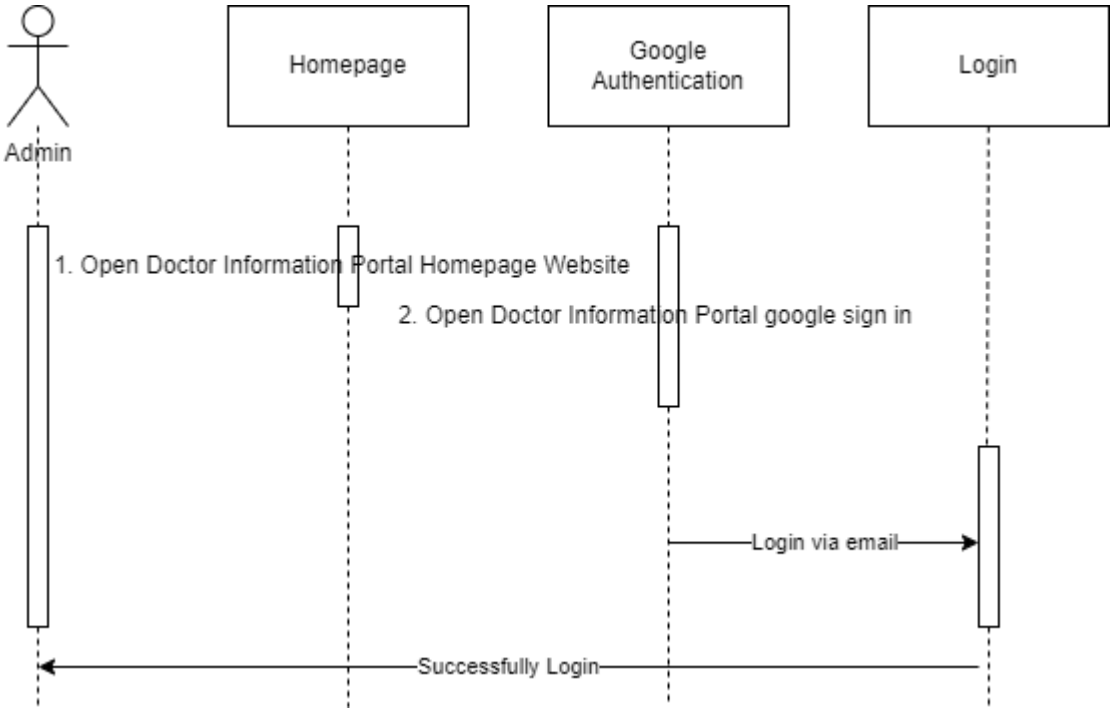

Figure 5.1: Sequence Diagram for Admin authentication

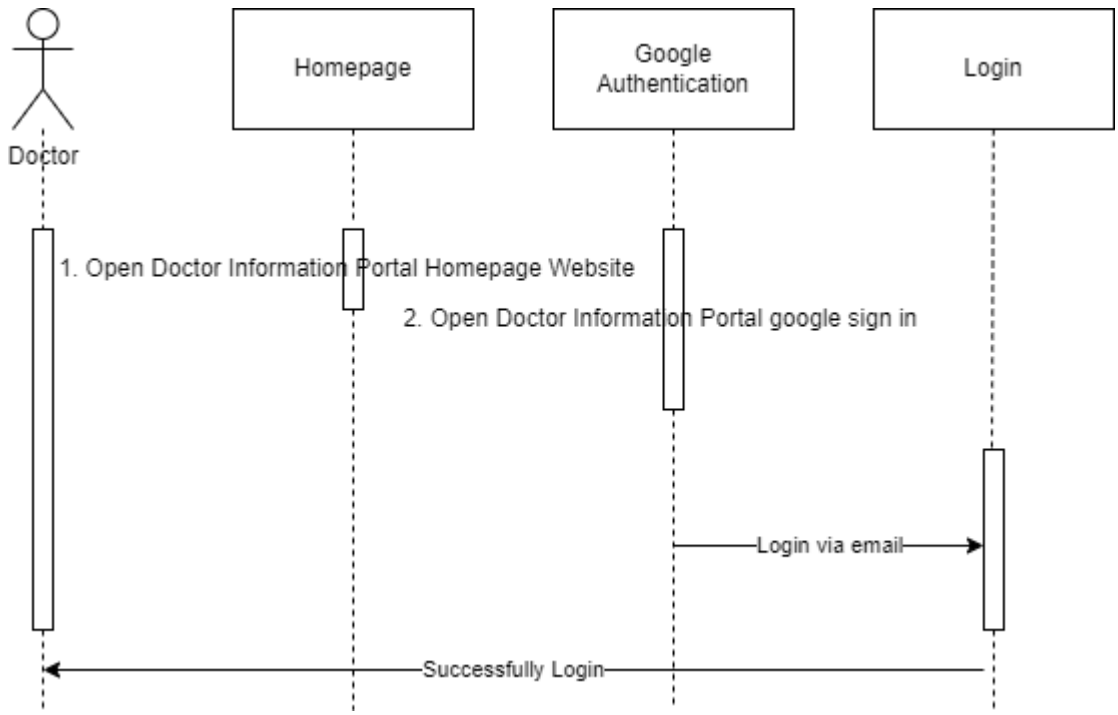

Figure 5.2: Sequence Diagram for Doctor Google authentication

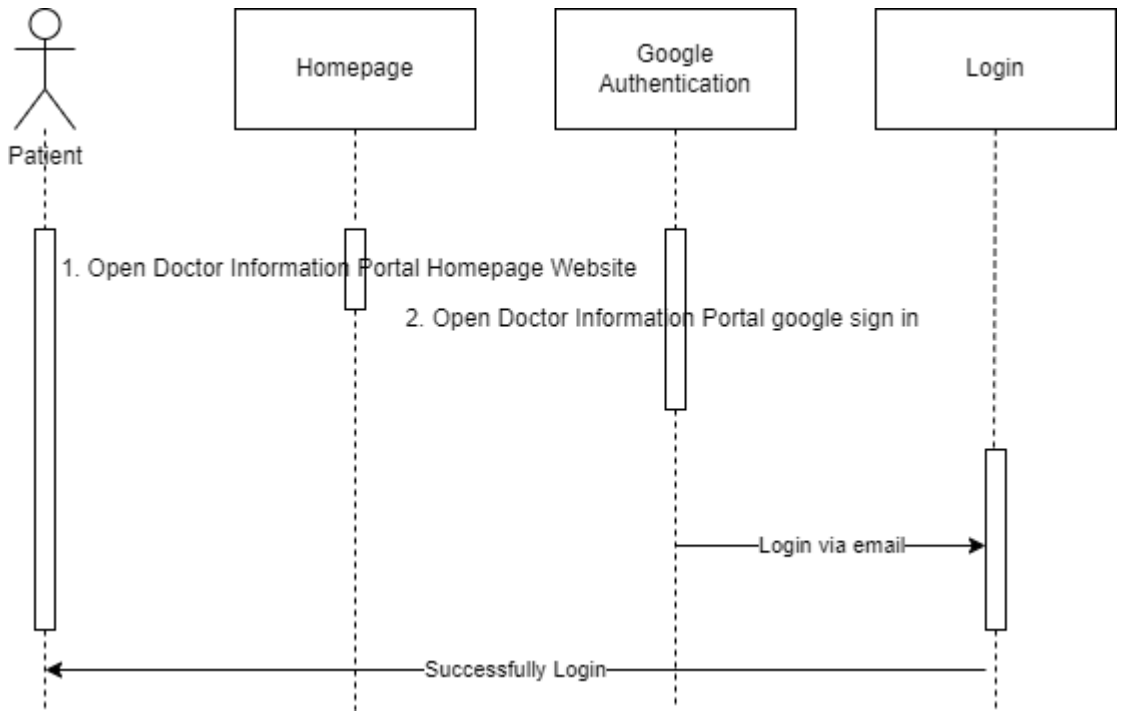

Figure 5.3: Sequence Diagram for Patient Google authentication

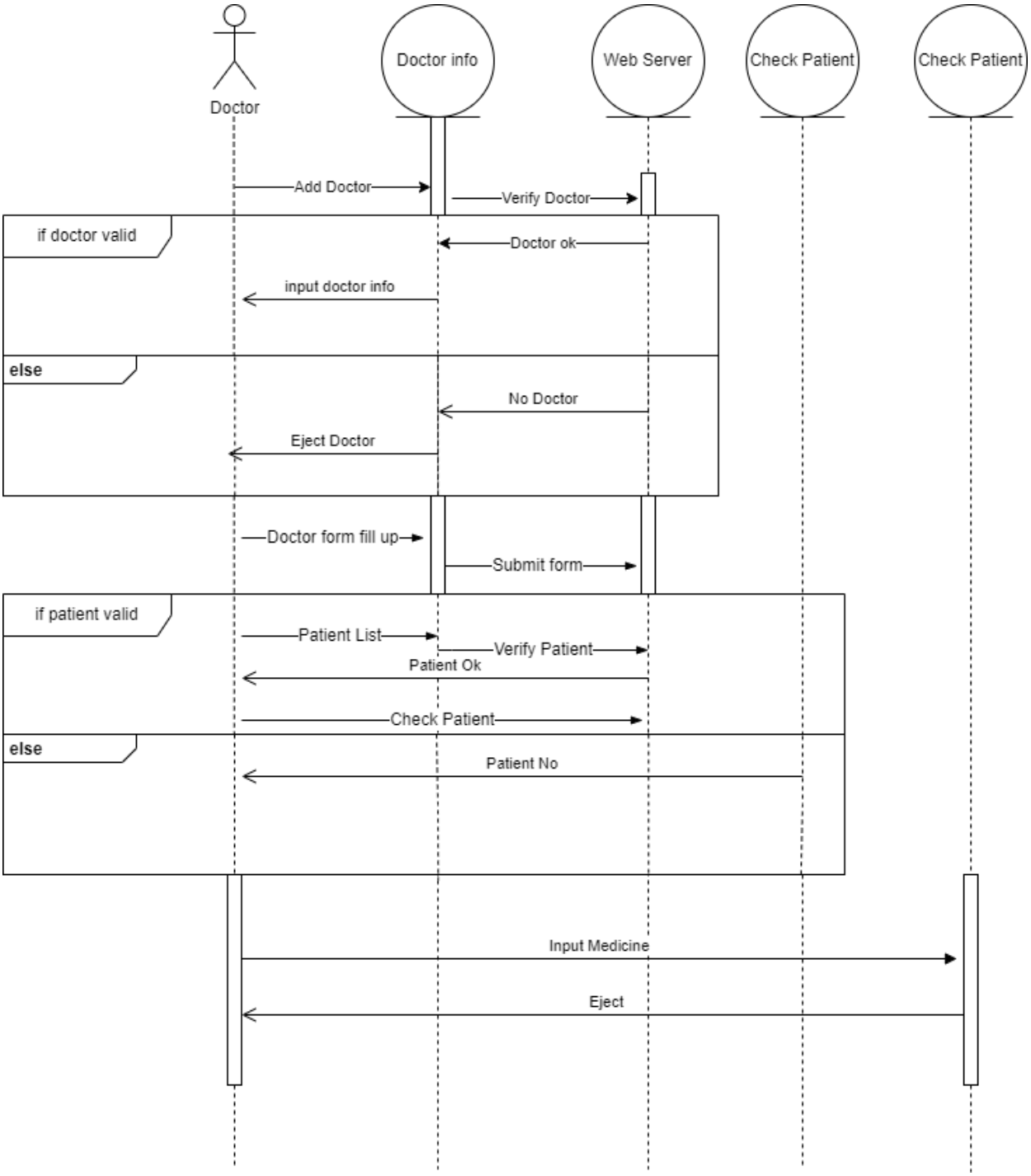

Figure 5.4: Sequence Diagram for Doctor

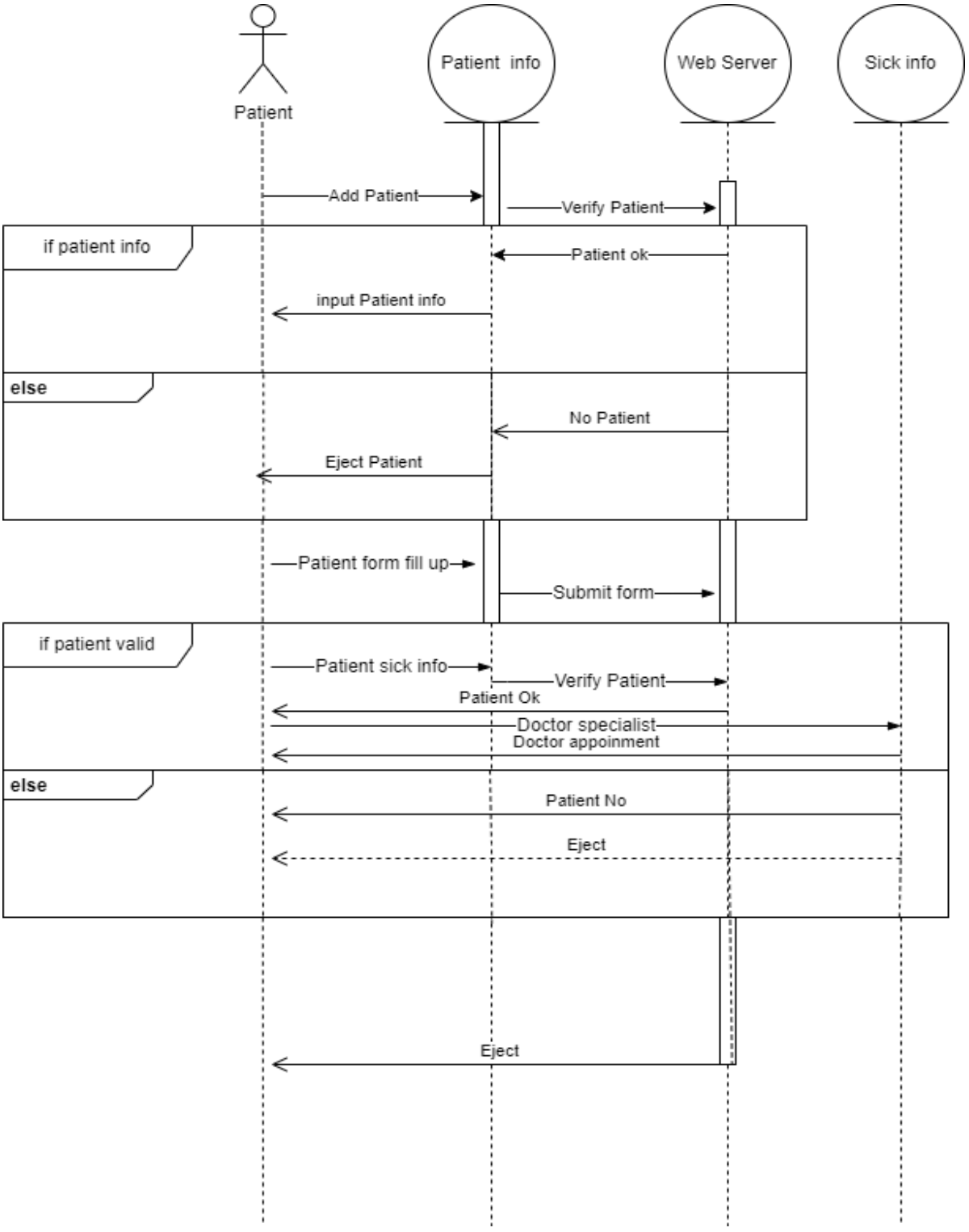

Figure 5.5: Sequence Diagram for Patient info & sick info

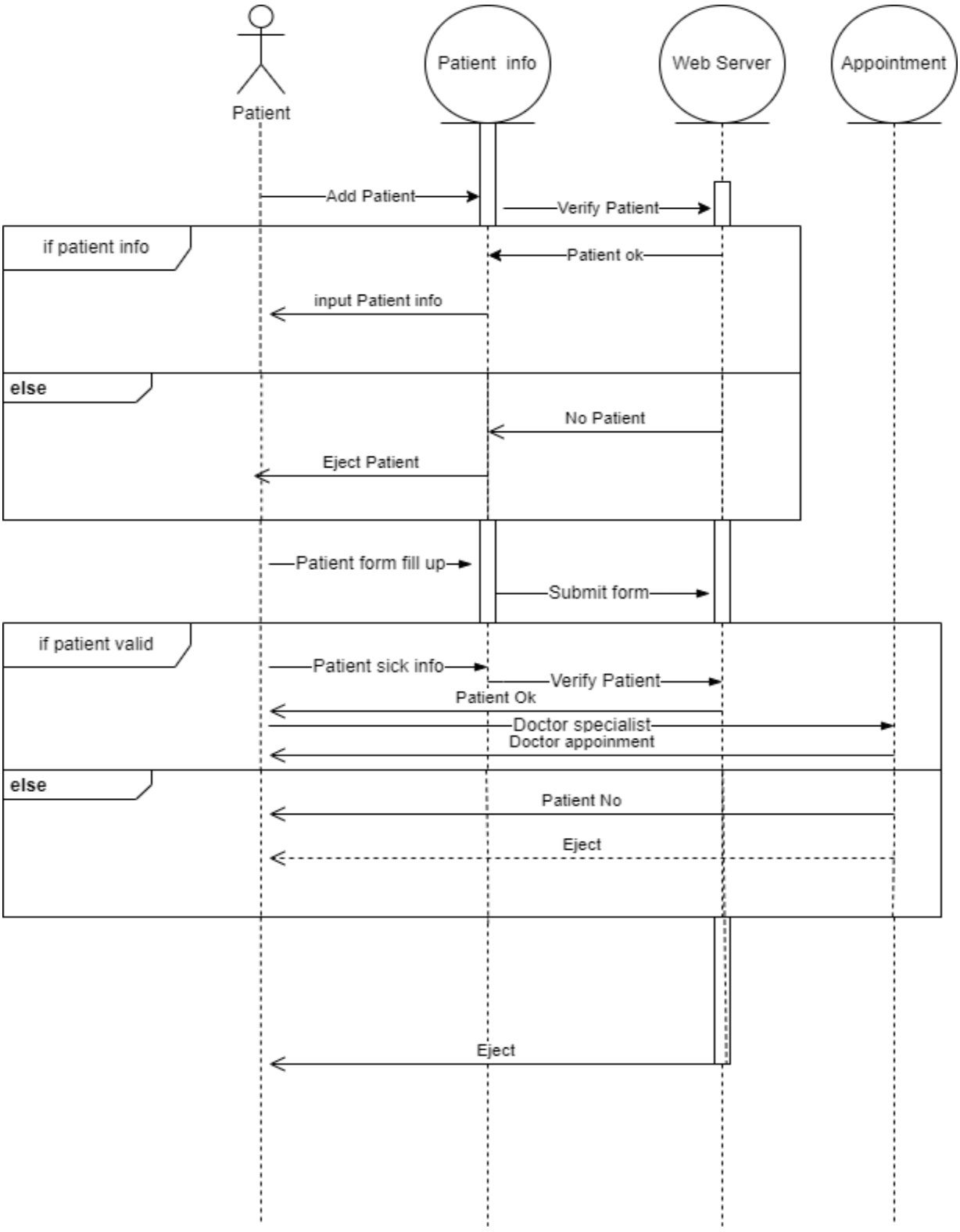

Figure 5.6: Sequence Diagram for Patient Appointment

5.2 Class Diagram:

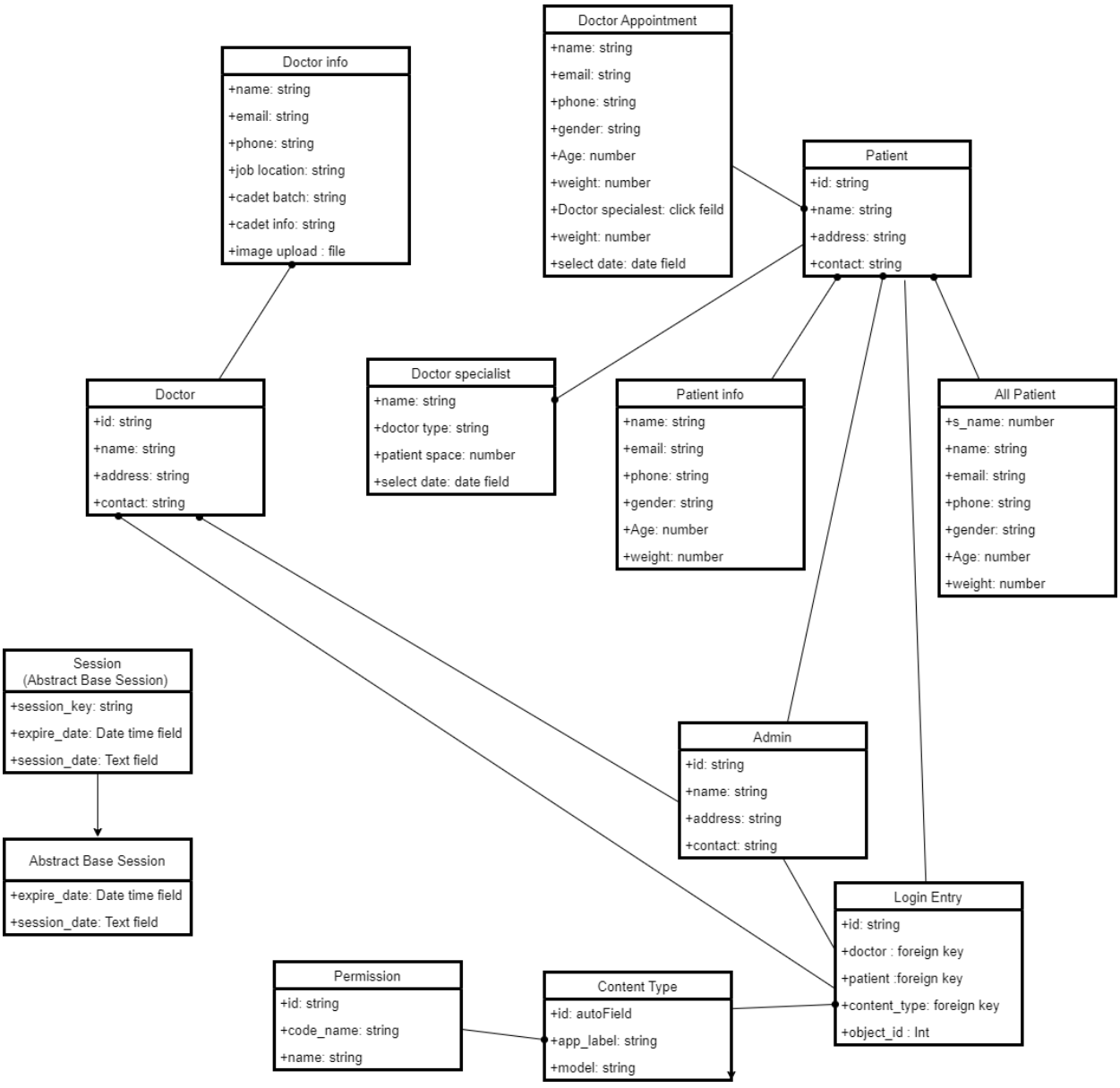

Figure 5.7: Class Diagram for Doctor Information Portal

5.3 Entity Relationship Diagram:

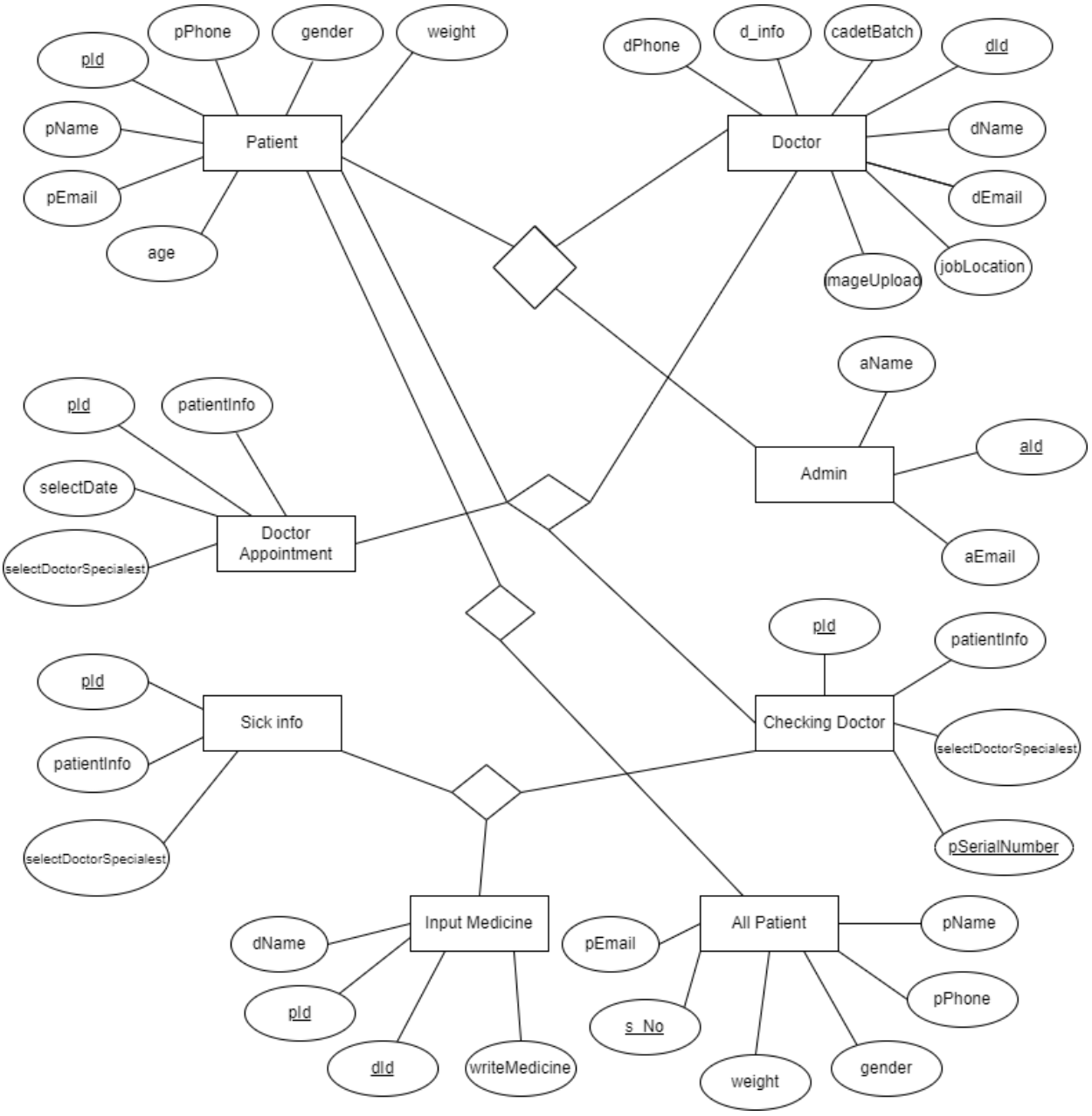

Figure 5.8: Entity Relationship Diagram for Doctor Information Portal

5.4 Development Tools & Technology:

5.4.1 User Interface Technology:

5.4.1.1 Framework:

ReactJs

5.4.1.2 CSS Framework:

Use Bootstrap, React Bootstrap & CSS in this project

5.4.2 Implementation Tools & Platforms:

5.4.2.1 Language:

Use JavaScript as Language.

5.4.2.2 Mongodb Server:

Use Mongodb Server as Database

CHAPTER 6

User Interface

Home Page

This is the homepage for all users.

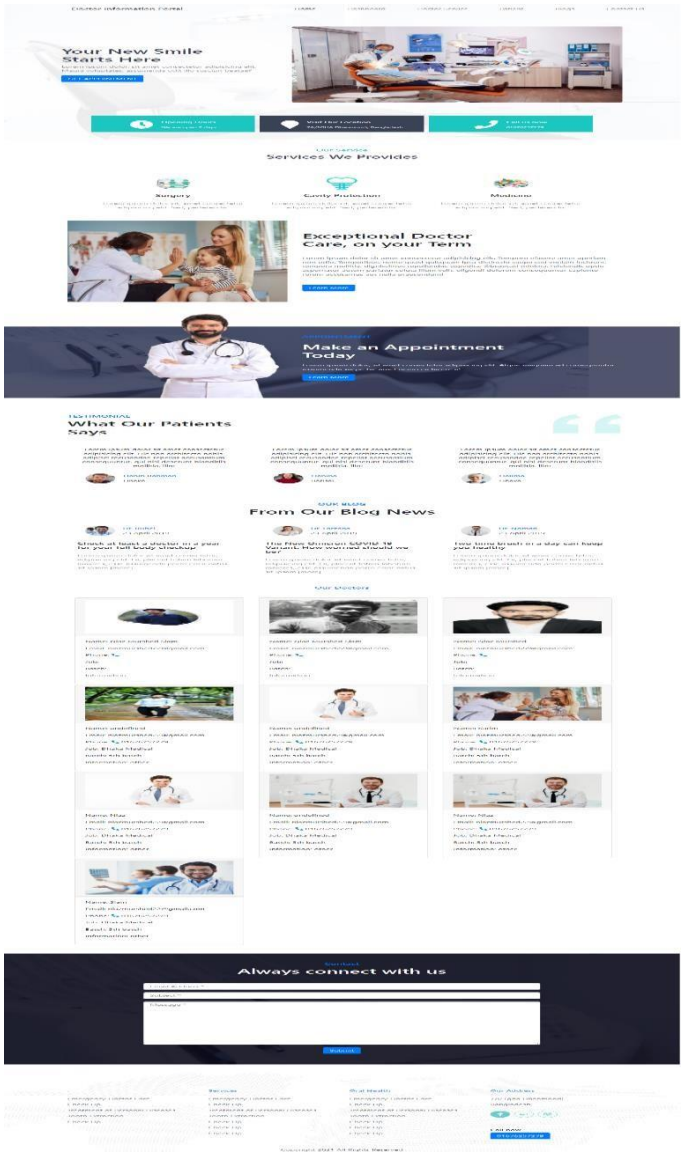

Figure 6.1: UI for Home Page

Registration Page:

Admin registration is required. Admin can register in the system from this page.

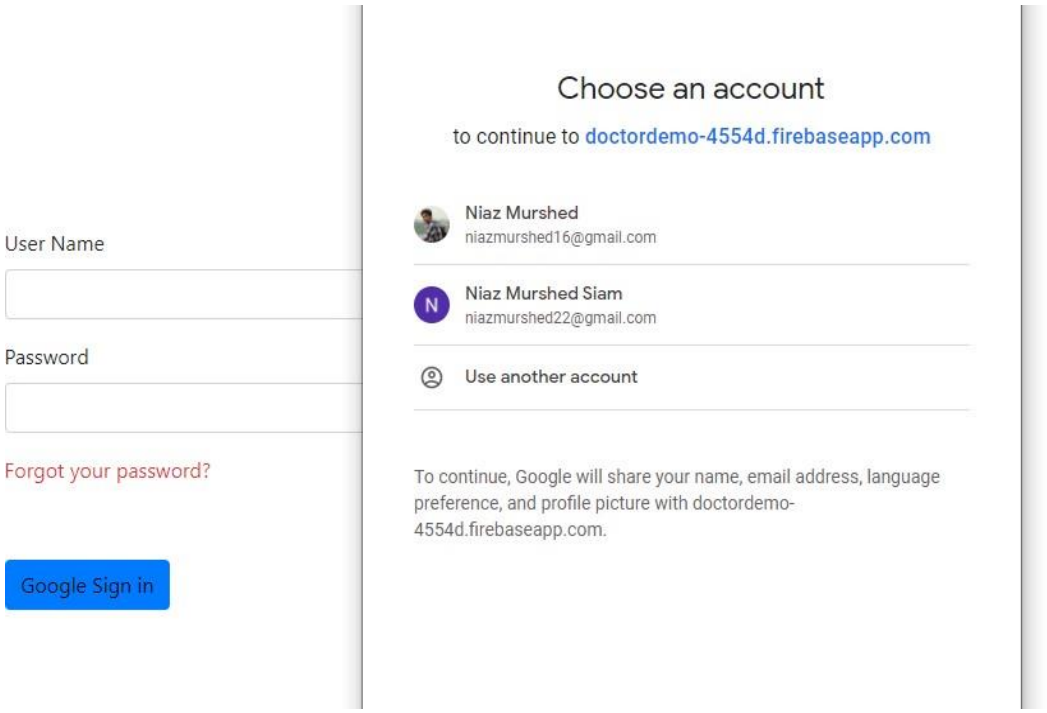

Figure 6.2: UI for Admin Registration Page

Doctor registration is required. Doctor can register in the system from this page.

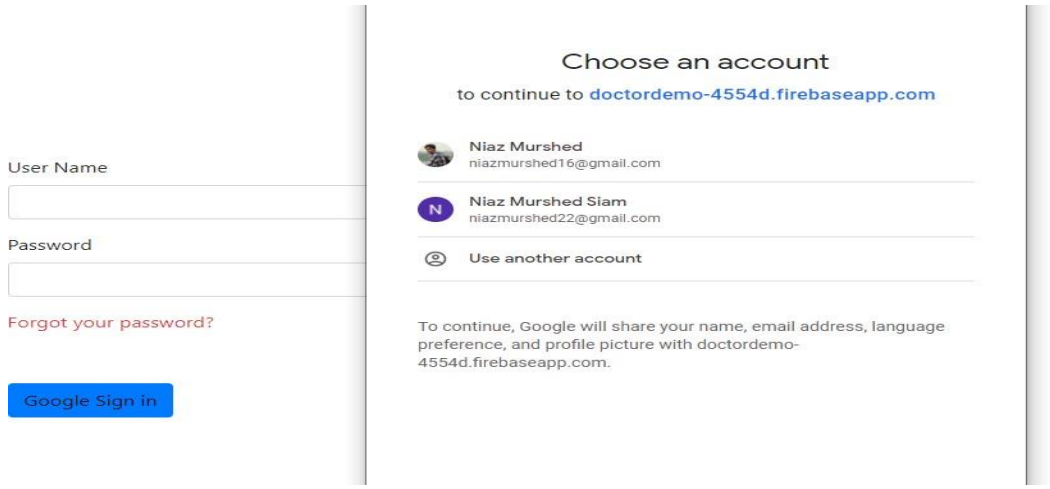

Figure 6.3: UI for Doctor Registration Page

Patient registration is required. Patient can register in the system from this page.

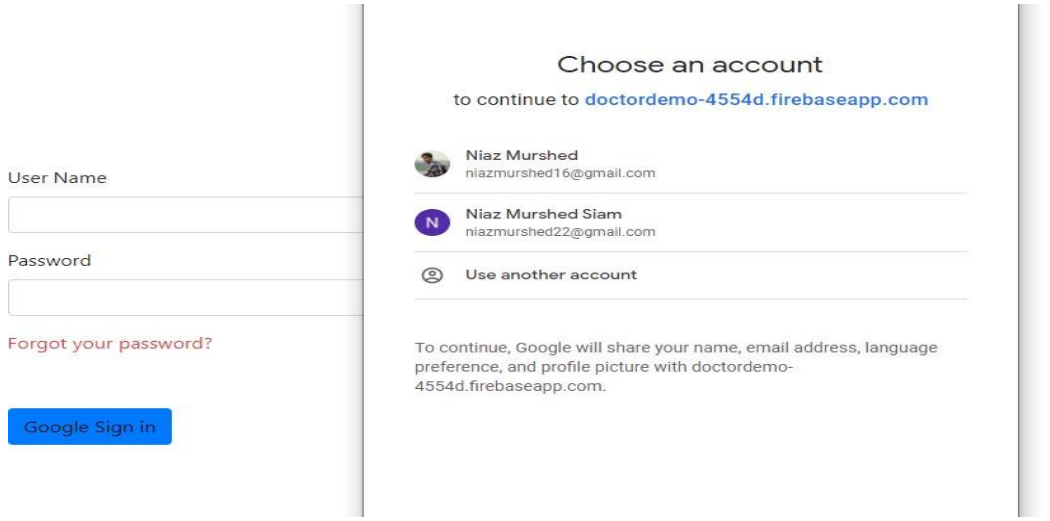

Figure 6.4: UI for Patient Registration Page

Login Page:

After completing the registration process, admins, doctors, and patients can login to the system by clicking the Google sign in button. If the user's email address is valid, the system will allow them to log in.

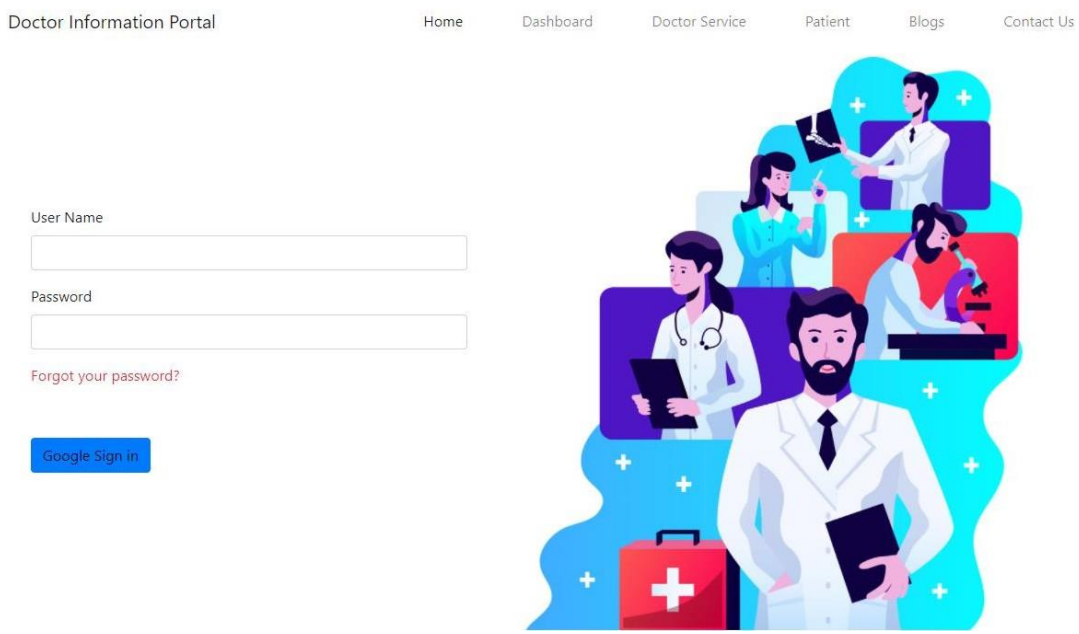

Figure 6.5: UI for Admin, Doctor & Patient Login Page

Admin Profile with Login:

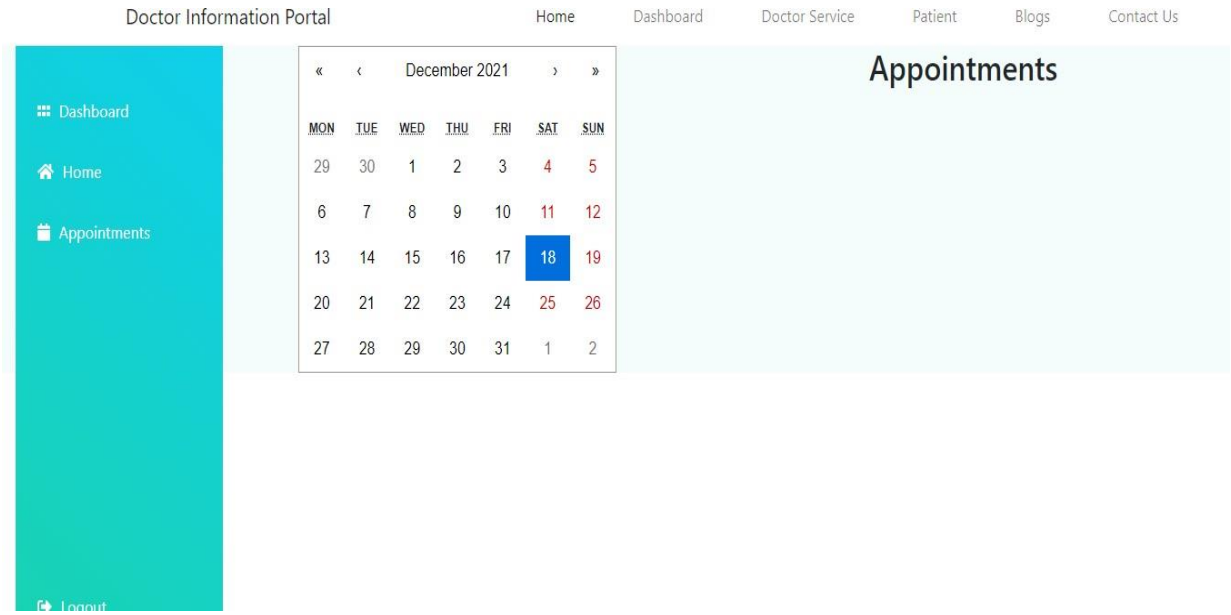

Figure 6.6: UI for Admin profile without email login

Admin Profile

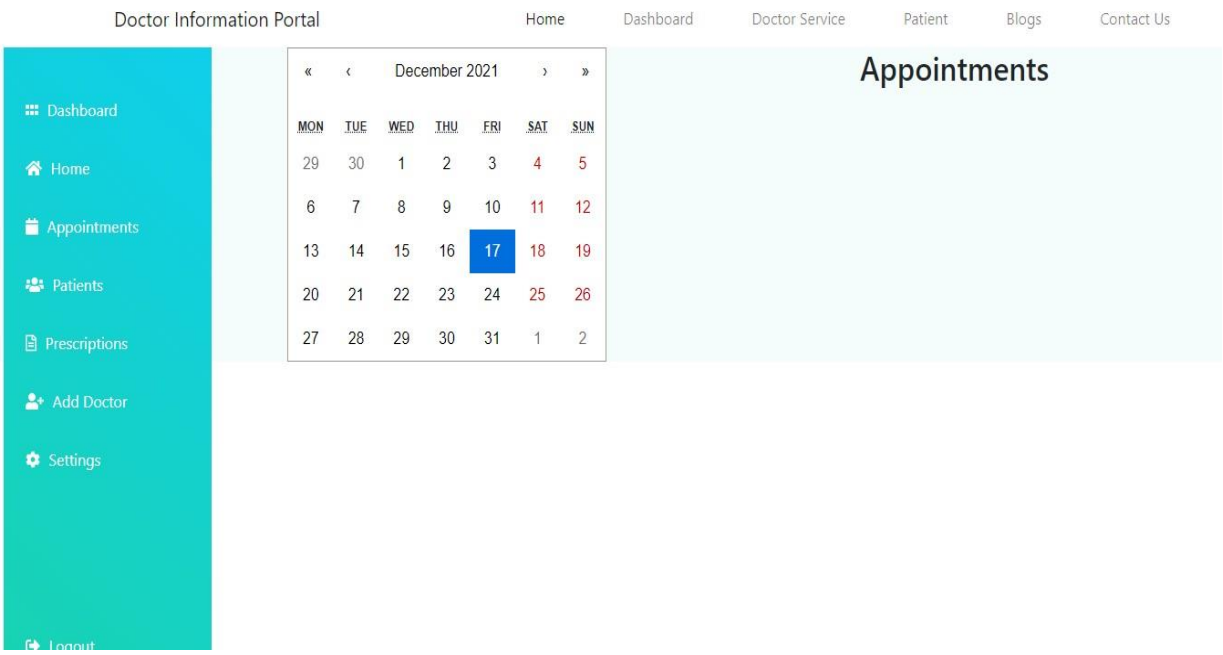

Figure 6.7: UI for Admin Profile

Doctor Profile

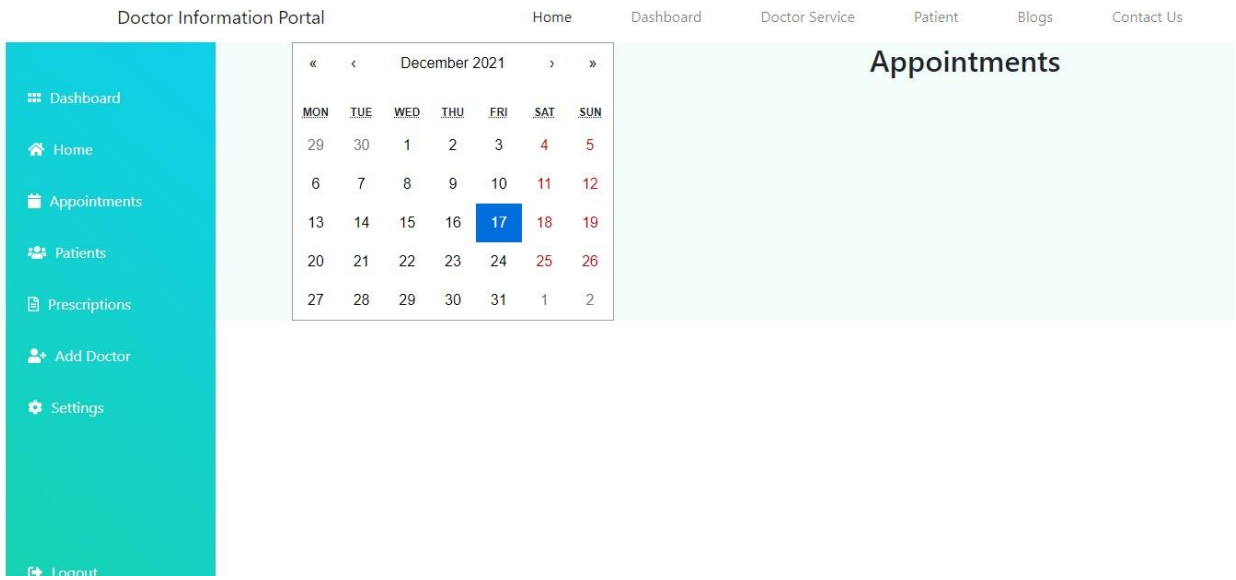

Figure 6.8: UI for Doctor Profile

Add Doctor:

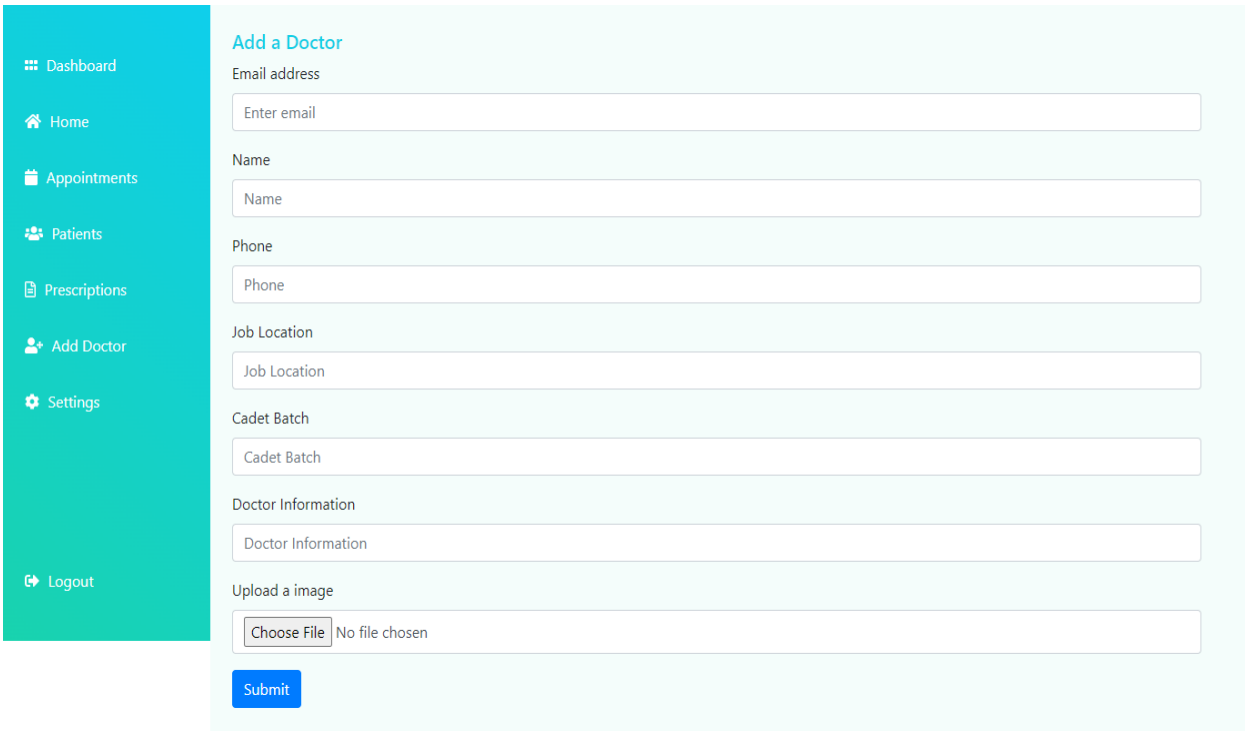

Figure 6.9: UI for Add Doctor

Doctor Information View:

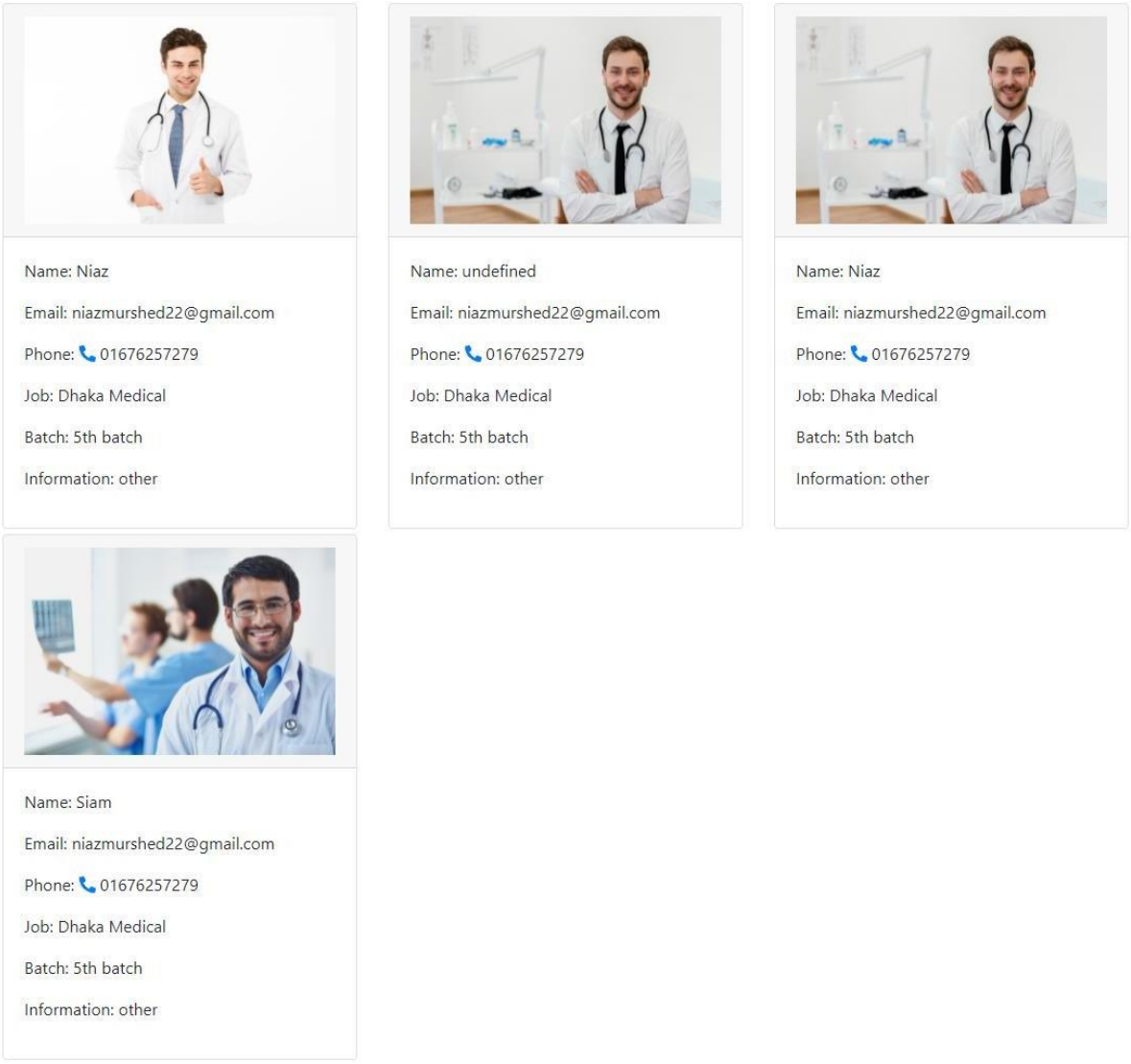

Figure 6.10: UI for Doctor Information View

Doctor Service:

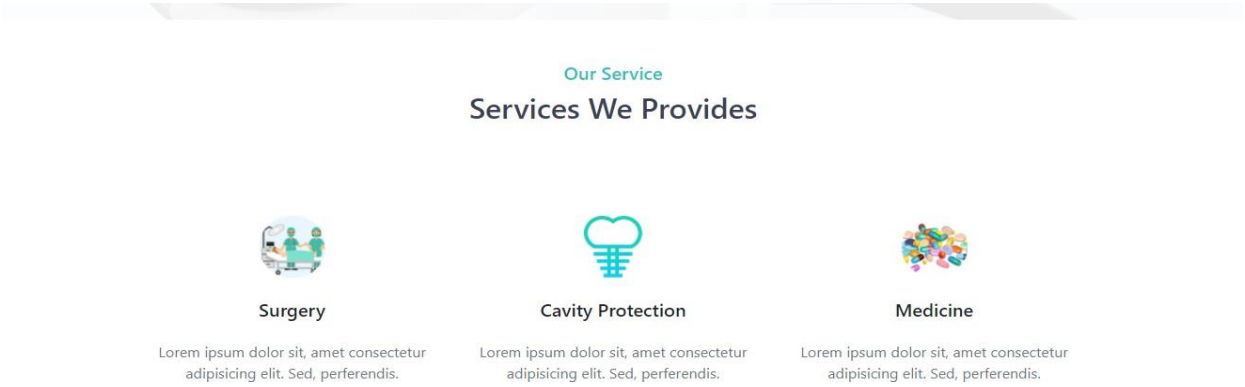

Figure 6.11: UI for Doctor Service

Doctor Blog:

Figure 6.12: UI for Doctor Blog

Patient Profile:

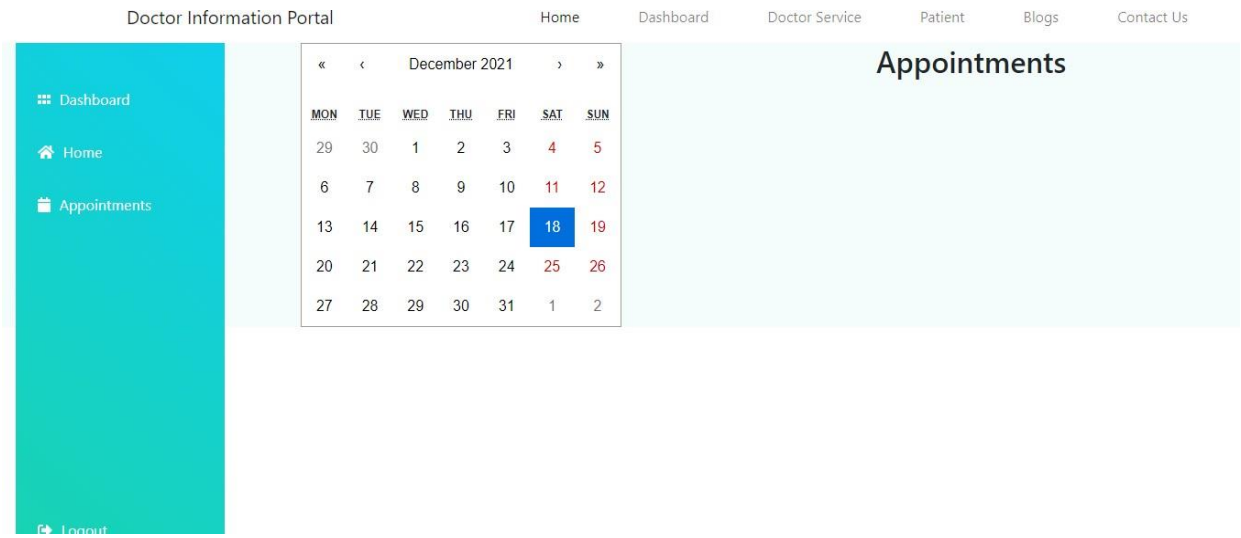

Figure 6.13: UI for Patient Profile

Add Patient:

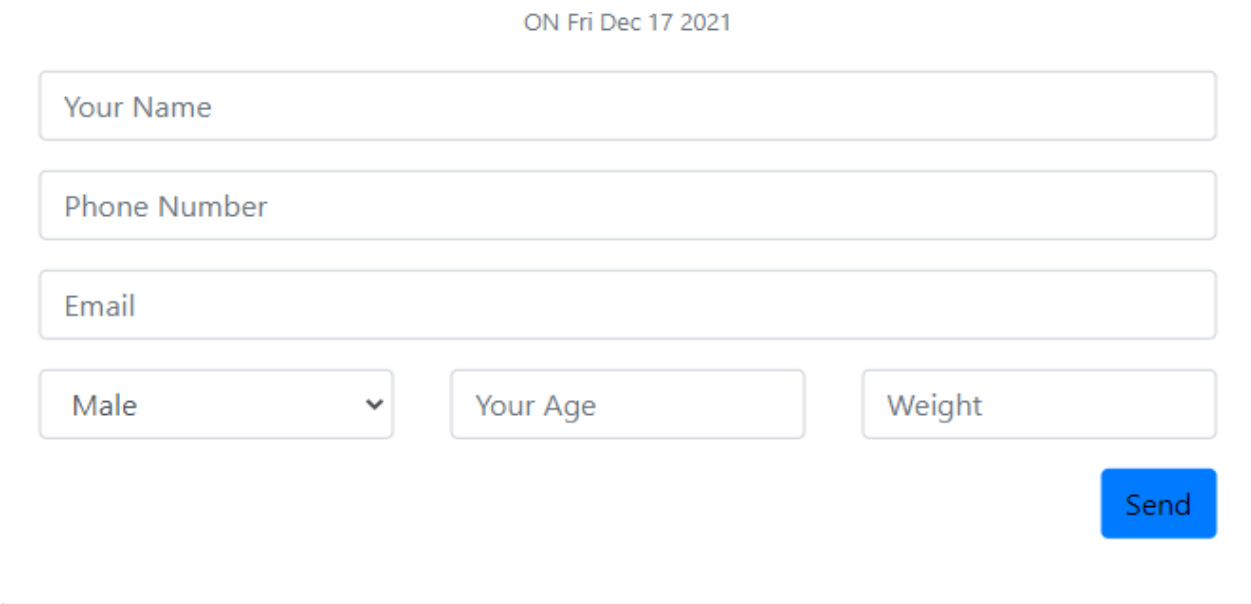

Figure 6.14: UI for Add Patient

Patient List:

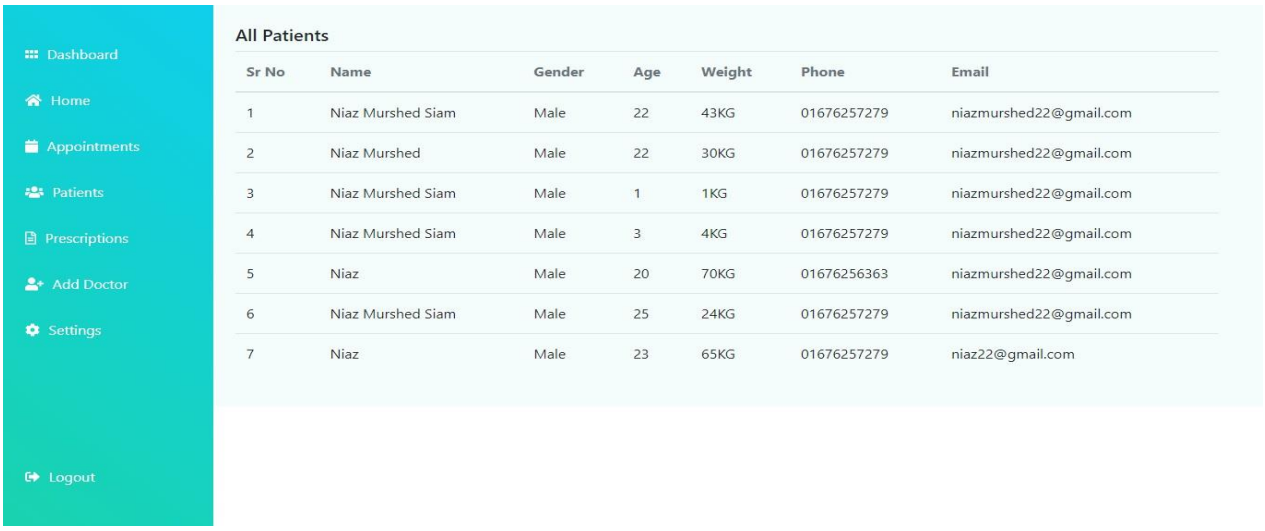

Figure 6.15: UI for Patient list

Patient Testimonial:

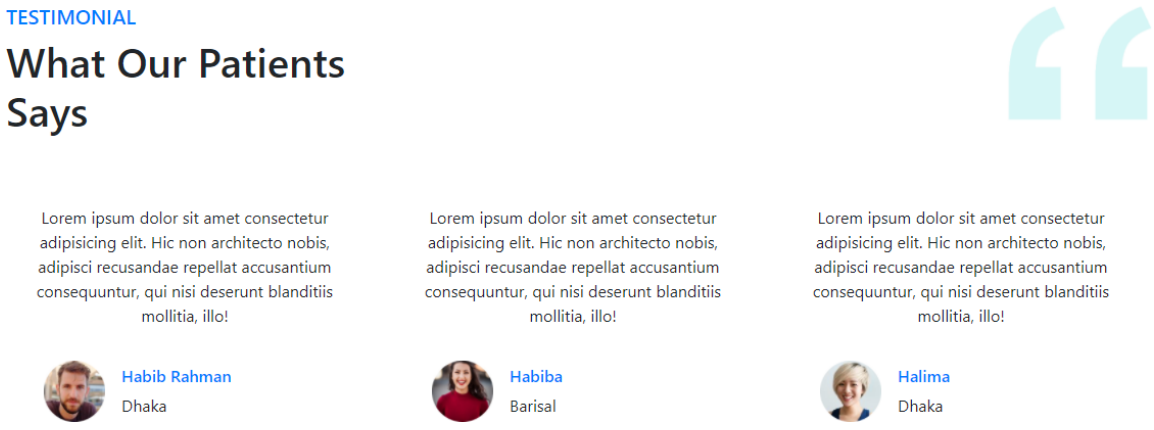

Figure 6.16: UI for Patient testimonial

Patient Appointment Serial Date:

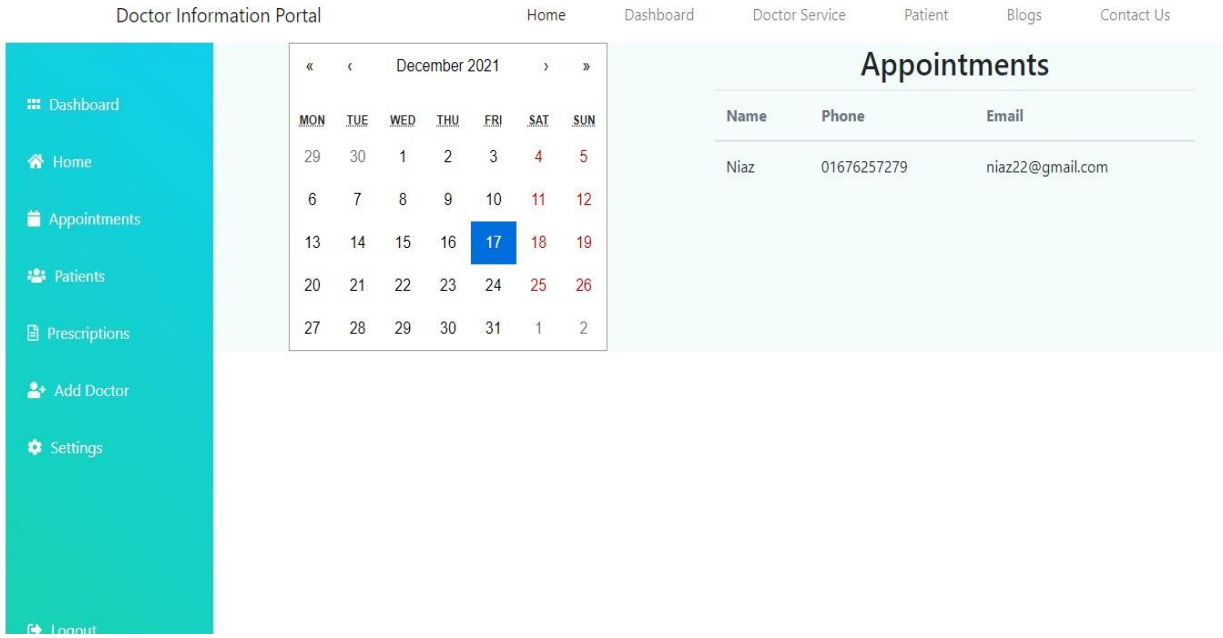

Figure 6.17: UI for Patient Appointment Serial Date

Doctor Appointment:

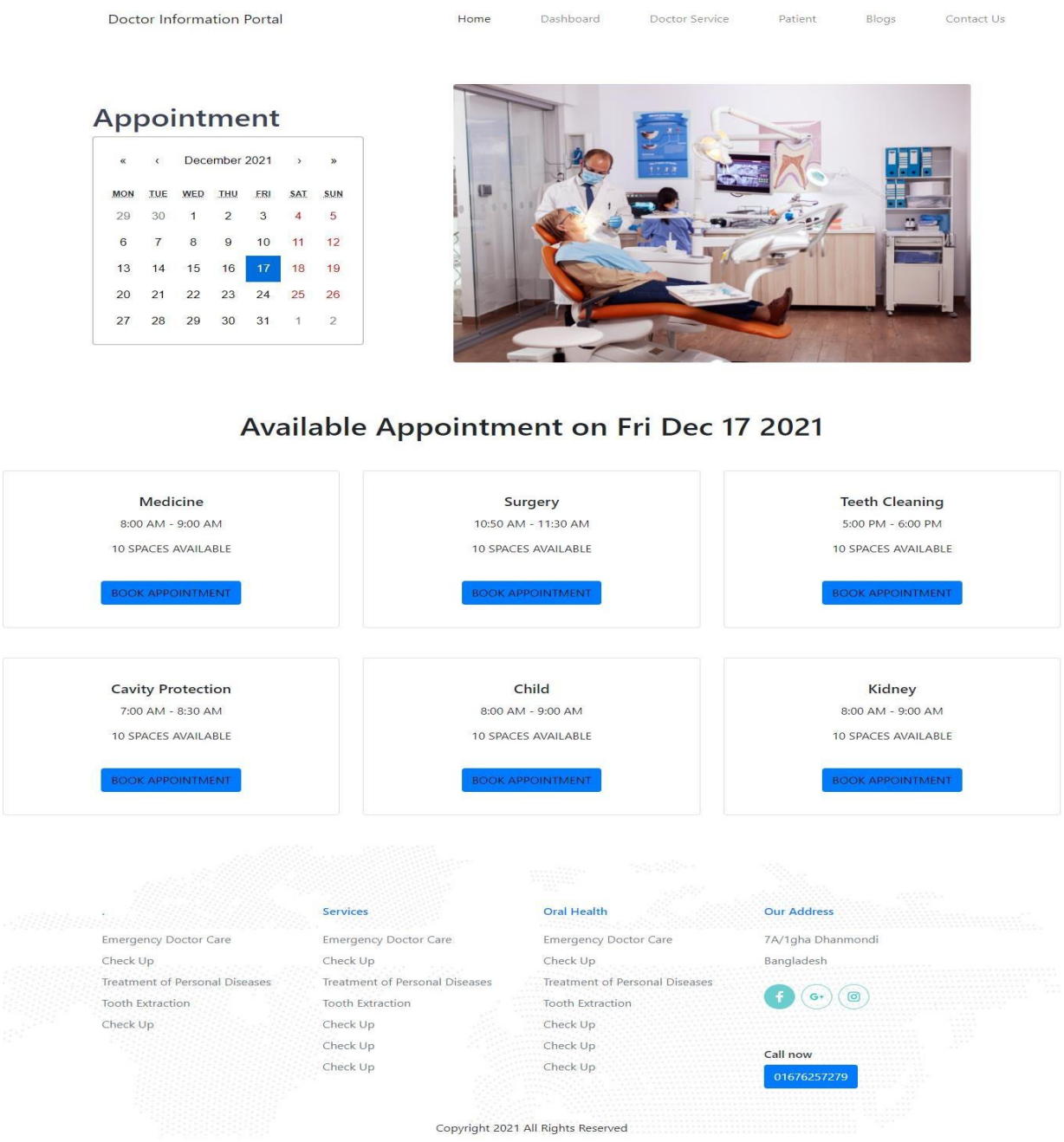

Figure 6.18: UI for Doctor Appointment

Doctor Appointment Type:

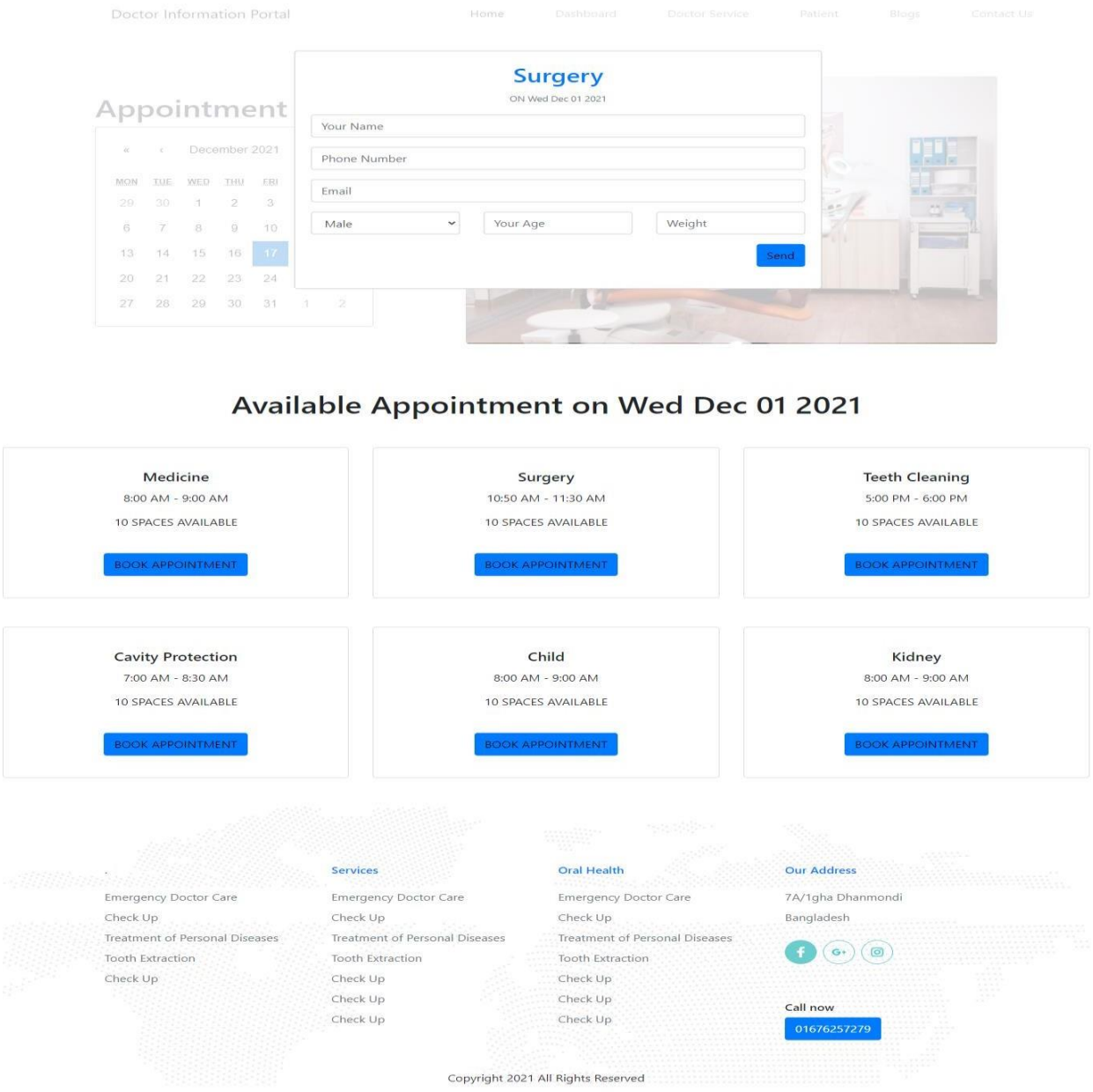

Figure 6.19: UI for Doctor Appointment Type

Contact:

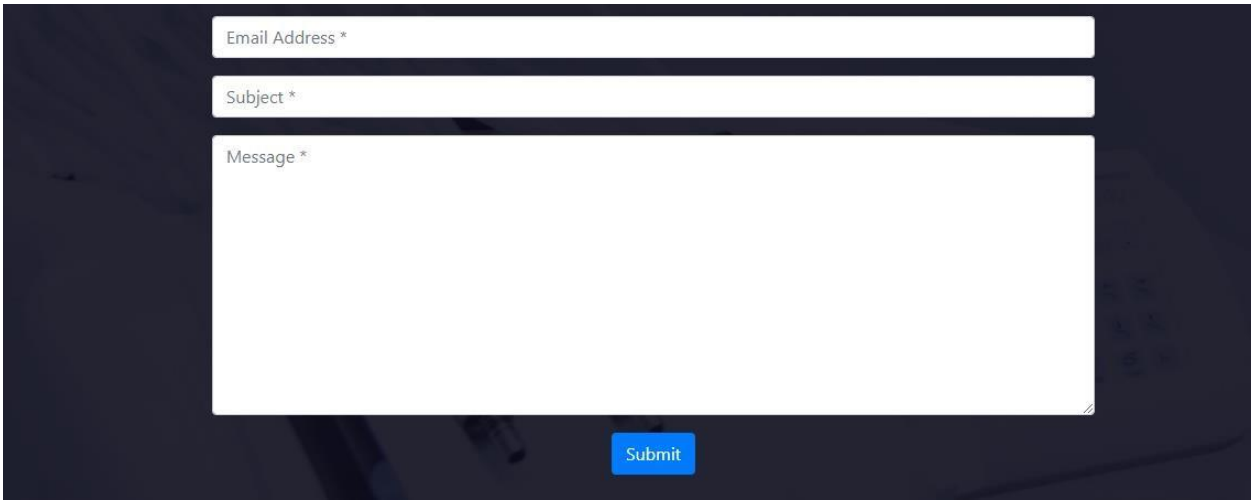

Figure 6.20: UI for Contact

CHAPTER 7

System Testing

7.1 Testing Features

Unit Testing:

A software procedure strategy is unit testing. Each partitioned unit of code is put to the test here. After the job was completed, I used this strategy extensively. In my system, I discovered a few errors. At that moment, I try to address the problem.

Acceptance Testing:

Acceptance testing was first used in the system release a few years ago. When I used this method, I discovered a few tiny errors. At that moment, I try to address the problem. I released it for use after figuring out the framework bug.

7.1.1 Features to be tested

- Google Registration
- Login
- Logout
- Add Doctor & Patient
- Doctor Appointment

7.1.2 Features not to be tested

- Doctor & Patient info
- Doctor specialest
- Doctor Blog

7.2 Testing Strategies

7.2.1 Test Approach

7.2.1.1 Google Registration and Login

Test Case:

- After a successful registration, I verify that the admin email, doctor email, and patient email addresses used during registration are valid in the login.
- Enter the admin, doctor, and patient email addresses, then click Login to verify that everything is working properly.
- It leads us to the web application page when we log in.

7.2.1.2 Apply for Add Doctor:

Test case:

- I was able to access the application form after successfully logging in.
- When you go to the application form, fill it out completely and then hit the submit button. Then I enter the information about the doctor.

7.2.1.3 Apply for Add Patient:

Test case:

- I was able to access the application form after successfully logging in.
- When you go to the application form, fill it out completely and then hit the submit button. Then I enter the information about the patient.

System Testing:

The whole system is tested to insure the workability

Integration Testing:

Command to previous.

Page Regression Testing:

Data network not enabled inventory not shown

7.2.1.3 View Applicant List:

Test case:

- To view the applicant list, you must first log in as an administrator. For login, I use the admin email address.
- After properly logging in, I am able to access the website.
- Then successfully add doctor & patient to doctor information portal.
- Then the doctor's service in the patient was successful.

7.2.2 Pass/Fail Criteria:

My project meets all of the requirements.

CHAPTER 8

Evaluation:

To set an evaluation, we need to know the backup and deftness of the project. The system's evaluation display is primarily a research. The purpose of the evaluation is to see how well the job is progressing. To gain a clear picture of the value of my job among the many clients, I've provided them my system and asked them questions about it. The answer is that they believe I have completed sufficient work, which is essential for a pharmacist to record their day-to-day business transactions. A few people have stated that they have benefited from eliminating time to contribute.

CHAPTER 9

9.1 Limitation

- Mobile Phone access
- Book copy is not possible.
- Impossible for low hard drive space

9.2 Conclusion

There is no appropriate endeavor on this field to save our praiseworthy time and doctor service putting away space in our country. So that's the truth behind our decision to choose and imagine the ideal bear. I was also confronted with the fact that each intention has a few hardiest preventative measures. Trust that my effort will improve execution and reduce the number of pages used.

9.3 Future Scope

I'm attempting this project as a means of testing and gathering expertise. I'll create a better design with more features and options that are more user-friendly.

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I Doctor Information Portal Submitted by Niaz Murshed Siam ID: 173-35-2262 Department of Software Engineering Daffodil International University Supervised by Asif Khan Shakir Lecturer (Senior Scale) Department of Software Engineering Daffodil International University This Project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering. © All right Reserved by Daffodil International University II III Iv

ACKNOWLEDGEMENT To begin, I'd want to express my gratitude to Allah, the Almighty. I have put in effort in my project. It would not have been possible without the generous support and cooperation of many people. I'd want to express my heartfelt gratitude to each and every one of them. Asif Khan Shakir, Lecturer (Senior Scale), Department of SWE, Daffodil International University, Dhaka, has my profound gratitude and desire for my deep accountability. To complete this research, I relied on my supervisor's sound judgment and keen interest in the topic of "Doctor Information Portal." This project could not have been completed without his unwavering leniency, scholarly guidance, consistent inspiration, persistent and careful supervision, constructive criticism, and helpful counsel. I'd want to show my gratitude to Asif Khan Shakir, Lecturer (Senior Scale), as well as the other faculty members and staff of Daffodil International University's SWE department, for their assistance in completing my research. Finally, I'd like to express my gratitude to my parents for remembering me in their prayers and encouraging me to improve at every turn. I would not be successful without their love and support. v Dedication This attempt is dedicated to my honorable Father and Mother, my supervisor, and my honorable teachers, all of them are constantly costly and close to me. It would not have been possible to reach this point without their patience, understanding, unwavering support, care, love, and cherishing. vi Abstract It is an online based activity where anyone can search any kind of Doctor Information. Doctor information portals are being used for a variety of purposes. The doctor service and cadet alumni are seeking for new ways to make their regular