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“Doctor Finder”

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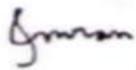
This Project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering.

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APPROVAL

This Project titled as “**Doctor Finder**”, submitted by **Md. Faysal Rabbi** 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 B.Sc. in Software Engineering and approved as to its style and contents.

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DECLARATION

I, hereby state that, I have taken this project under the supervision of Mr. Md. Mushfiqur Rahman Lecturer, Department of Software Engineering, **Daffodil International University**. I also state that I have submitted neither this project nor any part of it for award of any degree.



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ACKNOWLEDGEMENT

I express my heartiest thanks and gratefulness to Almighty Allah for his divine blessing makes me possible to complete this project successfully.

I am grateful and wish my profound and indebtedness to **Mr. Md. Mushfiqur Rahman, Lecturer**, Department of SWE, Daffodil International University, Dhaka. Deep Knowledge and keen interest of my supervisor in the field of Web Programming to carry out this project. His endless patience, scholarly guidance, continual encouragement, constant and energetic supervision, constructive criticism, valuable advice, reading many inferior drafts and correcting them at all stages have made it possible to complete this project.

I would like to express my heartiest gratitude to **Dr. Imran Mahmud, Associate Professor and Head of Department**, Department of SWE, for his kind help to finish our project and also to other faculty members and the staffs of SWE department of Daffodil International University.

I would like to thank my entire course mates in Daffodil International University, who took part in this discuss while completing the course work.

Finally, I must acknowledge with due respect the constant support and patience of my parents.

ABSTRACT

The main purpose of this project is to develop a website called Search a Specific **Doctor** where **patient/visitor** can search a specific doctor.

Sometimes we see that patient live a specific location but, in that location, they cannot find a specialist doctor as they want. They go to Dhaka to show specialist doctor.

For this reason, they loss their time and money. If they find their specialist doctor in their location, they can save their time and money. But in our country doctor information is not available everywhere.

We hope that through our website they can find doctor by location, name and specialist. We know that it is very difficult to collect accurate doctor information all over the country.

That's why we create a system that user can add doctor information which is verified by us. We hope that by using this system we can collect accurate information by patient.

Patient can find their desired doctor easily by our advanced search system.

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CHAPTER 1

INTRODUCTION

1.1 Project Overview

In this system people can find easily their expected doctor. We know that in Bangladesh it is very difficult to find specific doctor.

Sometimes lack of accurate information we find charlatan. That's why they are facing a lot of health problem. They lost their money and time. If they find right information, they will not face this kind of problem.

For this reason, we create such a system that people can find easily their needed doctor. Our system is accurate and reliable. We hope that people can get help by using this system.

This project is focused on how to “Search A Specific Doctor” which is a web based online application. To ensure easier, reliable and faster service we have built this website user friendly. People can easily search doctor by name, specialist or location within few moments.

1.2 Project Purpose

1.2.1 Background

Bangladesh is a densely populated country. Most of the people here use internet. So we hope that search a specific doctor will create high demand. Almost all feel comfortable to get information from online.

But most of the time they cannot find as they want. Our project searches a specific doctor will be helpful for those people who find a specialist doctor.

It is the time of information technology so we try to build this type of online based web application. We have discovered some problems that people can't find specific doctor what they want. We think this project future demand will increase. So, we want to work with this project.

1.2.2 Benefits & Beneficiaries

This project is mainly beneficiaries for patient and doctor. The following benefits will be provided by this system-

- Patient can
 - Conduct appointment easily
 - Manage Doctor easily

- Doctor
 - Manage appointments
 - Manage all patient under his surveillance

1.2.3 Goals:

The basic functionality of this system is making the process user friendly for doctor and patient. It helps users to control easily the medical activities like-

- Find Doctor
- Create Appointment

The main purpose of this project is to reduce time and make a reliable system. By using this system, user can find a doctor easily.

1.3 Proposed System Model

A software process model is a simplified representation of a software process. Each Model represents a process from a specific perspective.

1.3.1 Agile-Model

Our proposed system model is agile model which is an incremental process of software development. Each iteration lasts one to three weeks on average. Engineering actions are carried out by cross functional teams. In software development the term 'agile' means the ability to respond to changes-changes from requirements, technology and people.

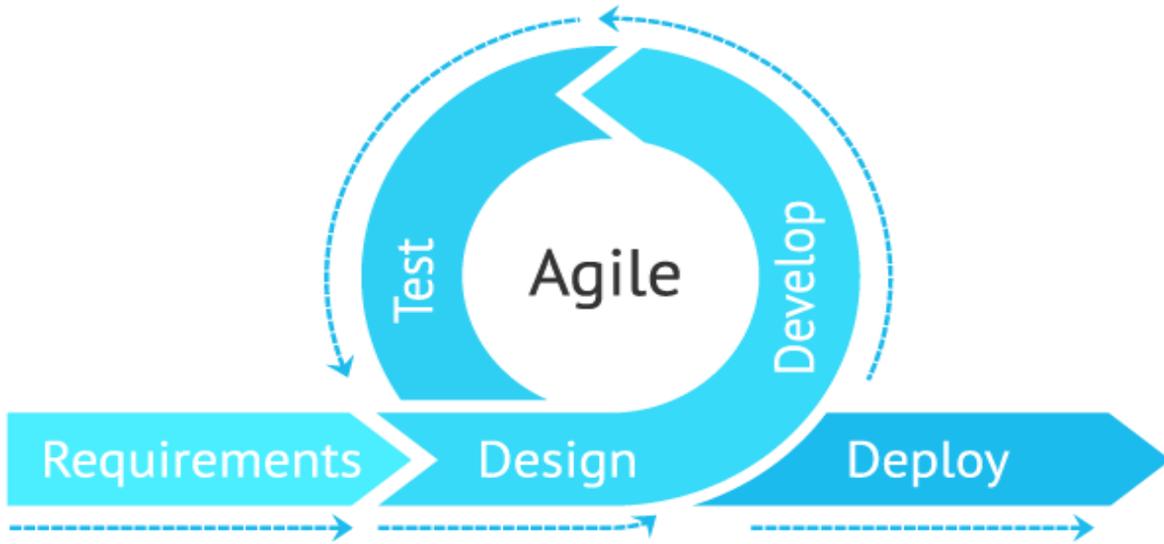


Figure 1.3.1.1 Agile Model

CHAPTER 02

SOFTWARE REQUIREMENT SPECIFICATION

We all know that; a project must be developed by considering with requirements. Without requirements, no one can build a single project. In this portion we are going to discuss the requirements related to my project.

2.1 Functional Requirements

There is no system without functional requirements. Therefore, I have tried to find out the functional requirements and arrange them considering to their priority in my project.

Priority Chart

It is a technique to assemble the requirements according to priority. Using this technique, we can easily categorize the functional requirements that can be performed by my system and can identify which function should get High Priority and which one should get Medium Priority and which one get Low Priority.

There are two parts of a Priority Matrix such as Important and Urgent.

If any function is:

Important also Urgent =High Priority

Important but not Urgent =Medium Priority

Not Important but Urgent =Low Priority

Not Important and not Urgent =Ignore

Important/Urgent	Yes	No
Yes	High Priority	Medium Priority
No	Low Priority	Ignore

FR ID	Description	Important	Urgent	Priority
FR01	Registration for users	Yes	Yes	High
FR02	Login for authenticate users	Yes	Yes	High
FR03	Logout for authenticate users	Yes	Yes	High
FR04	Can create property post	Yes	Yes	High
FR05	Can view property posts	Yes	Yes	High
FR06	Can update property posts	Yes	Yes	High
FR07	Can delete property posts	Yes	Yes	High
FR08	Can view necessity posts	Yes	Yes	High
FR09	Property search by location	Yes	No	High
FR10	Property search by amount	Yes	No	High
FR11	Can create necessity posts	Yes	Yes	High
FR12	Can update necessity posts	Yes	Yes	High
FR13	Can delete necessity posts	Yes	Yes	High
FR14	Can view Area Guide	Yes	Yes	High
FR15	Can view Blog	Yes	Yes	High
FR16	Can add Area Guide	Yes	Yes	High
FR17	Can edit Area Guide	Yes	Yes	High
FR 18	Can delete Area Guide	Yes	Yes	High
FR19	Can add Blog	Yes	Yes	High
FR20	Can edit Blog	Yes	Yes	High

FR21	Can delete Blog	Yes	Yes	High
FR22	Contact with system admin	Yes	Yes	High
FR23	Retrieve password by email	Yes	No	Medium

2.1.1 Registration for users

FR01	Registration for users			
Description	Users can create a new account by providing required information through the registration form. The user needs to submit a request post by clicking “Register” button from the Home page.			
Stakeholders	Admin, D.C, Patient	Priority	High	

2.1.2 Login for authenticate users

FR02	Login for authenticate users			
Description	Authenticate users can login to the system by using email and password.			
Stakeholders	Admin, D.C, Patient	Priority	High	

2.1.3 Logout for authenticate users

FR03	Logout for authenticate users		
Description	Authenticate users can logout from the system by clicking “logout” button.		
Stakeholders	Admin, D.C, Patient	Priority	High

2.1.4 Can create Doctor post

FR04	Can create property post		
Description	Can create a new property post by providing required information. The user needs to submit a request post by clicking “Submit” button.		
Stakeholders	D.C	Priority	High

2.1.5 Can view Doctor posts

FR05	Can view property posts		
Description	Can view property posts by clicking required button.		
Stakeholders	Admin, D.C, Patient, Representative	Priority	High

2.1.6 Can update property posts

FR06	Can update property posts		
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Description	Can update property posts by clicking “update” button.		
Stakeholders	D.C, Admin	Priority	High

2.1.7 Can delete Doctor posts

FR07	Can delete property posts		
Description	Can delete property posts if it seems unnecessary by clicking “delete” button.		
Stakeholders	D.C, Admin	Priority	High

2.1.8 Can view necessity posts

FR08	Can view necessity posts		
Description	Can view necessity posts by clicking required button		
Stakeholders	Patient, D.C, Admin, Representative	Priority	High

2.1.9 Doctor search by location

FR09	Property search by location		
Description	Can search property details by selecting location.		
Stakeholders	Patient, Admin, D.C	Priority	High

2.1.10 Doctor search by amount

FR10	Property search by amount		
Description	Can search property details by selecting amount/budget.		
Stakeholders	Tenant, Admin, Owner	Priority	High

2.1.11 Can create necessity posts

FR11	Can create necessity posts		
Description	Can create a new necessity post by providing some required information. The user needs to submit a request post by clicking “Submit” button.		
Stakeholders	Patient	Priority	High

2.1.12 Can update necessity posts

FR12	Can update necessity posts		
Description	Can update necessity information by clicking “update” button.		
Stakeholders	Patient, Admin	Priority	High

2.1.13 Can delete necessity posts

FR13	Can delete necessity posts		
Description	Can delete necessity posts if it seems unnecessary by clicking “delete” button.		
Stakeholders	Patient, Admin	Priority	High

2.1.14 Can view Area Guide

FR14	Can view Area Guide		
Description	Can view Area Guide by clicking “Area Guide” option.		
Stakeholders	Patient, Admin, D.C, Representative	Priority	High

2.1.15 Can view Blog

FR15	Can view Blog		
Description	Can view Blog by clicking “Blog” option.		
Stakeholders	Patient, Admin, D.C, Representative	Priority	High

2.1.16 Can add Area Guide

FR16	Can add Area Guide		
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Description	Can add YouTube link as Area Guide by providing location. The user needs to submit a request post by clicking “Submit” button.		
Stakeholders	Admin	Priority	High

2.1.17 Can edit Area Guide

FR17	Can edit Area Guide		
Description	Can edit Area Guide information by clicking “Edit” button		
Stakeholders	Admin	Priority	High

2.1.18 Can delete Area Guide

FR18	Can delete Area Guide		
Description	Can delete Area Guide if it seems unnecessary.		
Stakeholders	Admin	Priority	High

2.1.19 Can add Blog

FR19	Can add Blog		
Description	Can add blog by providing location. The user needs to submit a request post by clicking “Submit” button.		
Stakeholders	Admin	Priority	High

2.1.20 Can edit Blog

FR20	Can edit Blog		
Description	Can edit Blog information by clicking “Edit” button		
Stakeholders	Admin	Priority	High

2.1.21 Can delete Blog

FR21	Can delete Blog		
Description	Can delete Blogs if it seems unnecessary.		
Stakeholders	Admin	Priority	High

2.1.22 Contact with system admin

FR22	Contact with system admin		
Description	Can contact with system by providing email.		
Stakeholders	Patient, D.C, Representative	Priority	High

2.1.23 Retrieve password by email

FR23	Retrieve password by email		
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Description	If users forget their password, they can retrieve password by email by clicking “Forgot Password?” option.		
Stakeholders	Patient, D.C	Priority	Medium

2.2 Performance Requirements

Performance requirements defines how well the system performs under the required condition. It can be justified by measuring speed of response, throughput, execution time and storage capacity etc.

2.2.1 Speed and latency Requirements

In some cases, the legal requirements will dictate the response time. User satisfaction is largely dependent on response time in a system. If the system takes more than 10 seconds to load, it will be possibility to avoid the system by the users.

PR01	View and post result should be displayed in less than 1 second		
Description	When the user wants to see any information and want to manage the posts, the result must be shown in less than 3 second time period.		
Stakeholders	Patient, D.C, Representative, Admin	Priority	High

2.2.2 Accuracy Requirements

Always should show the accurate result for all users. It is not accepted to show any wrong information.

PR02	Information should be accurate		
Description	When the user wants to see any information then the system must ensure that the provided information is most accurate.		
Stakeholders	Patient, D.C, Representative, Admin	Priority	High

2.2.3 Capacity Requirements

The system should be capable of supporting a certain number of users and a certain number of interactions. It should not get crushed easily.

PR03	Information should be accurate		
Description	When the user wants to see any information then the system must ensure that the provided information is most accurate.		
Stakeholders	Patient, D.C, Representative, Admin	Priority	High

2.3 Dependability Requirements

Dependability is a measure of a system's services to the users. It is based on five criteria.

They are

- Reliability
- Availability
- Maintainability

- Durability
- Safety and Security

In my system, I have used three of them to fulfill the Dependability Requirements.

2.3.1 Reliability Requirements

DR01	System must provide continuity for correct service		
Description	All the information providing by the system must be reliable.		
Stakeholders	Patient, D.C, Representative, Admin	Priority	High

2.3.2 Availability Requirements

DR02	The availability of the system to deliver services when requested.		
Description	The system must be available 24/7. It must be able to deliver services to the user when requested.		
Stakeholders	Patient, D.C, Representative, Admin	Priority	High

2.3.3 Maintainability Requirements

DR03	Ability for easy maintenance		
Description	The system should provide the maintenance issue to the user.		
Stakeholders	Admin	Priority	High

2.4 Security System Requirements

System security is one of the most important requirements for any project. For the lacking of security service, the data could be manipulated. The system can face cyberattack.

SR01: Login as D.C

SR02: Login as Patient

SR03: Login as Admin

SR04: Logout as Representative

SR05: Logout as Patient

SR06: Logout as Admin

2.5 Usability and Human-Interaction Requirements

User experience is one of the most important factors to any system. When anyone or any company develops any system, they try to make the system easier. That's why the system must be easy to use, easy to understand and easy to learn.

2.5.1 Ease of Use Requirements

The system is very easy to use and easy to understand. There is no long process to complete a task. User can complete any task with only a few steps.

EUR01	The system must be usable for all type of users
Description	The system should be usable for the Owner, Admin and Tenant. The Guest user can also able to use the system.

Stakeholders	Admin, Patient, D.C, Representative	Priority	High
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2.5.2 Understand Ability and Politeness Requirements

The system can be used by all types of people. The system will not use any term that is not specified in this web application.

2.5.3 Accessibility Requirements

The system is very user friendly. It is easy to use and understand for the users. There are no access requirements besides those that has been outline in the below:

AR ID	AR Name
AR01	Login as Admin
AR02	Login as D.C
AR03	Login as Patient
AR04	Logout as Admin
AR05	Logout as D.C
AR06	Logout as Patient

2.5.4 User Documentation Requirements

User feedback will be taken and analyzed properly to understand and fulfil their expectations. The requirements will be added to the system after proper analyzation.

2.6 Training Requirements

A simple user manual will be provided to the user for training purposes. The system is really easy to understand so extensive training is not required.

2.7 Look and Feel Requirements

User will feel bored to look at a monotonous user interface. Look and feel requirements provide information on how the system will look like and how the user interface or graphical user interface of the system will display to the user.

2.7.1 Appearance Requirements

LFR01	Mandatory input fields must have visible marking		
Description	If there is any mandatory input field in any form, the field must have visible marking for the user.		
Stakeholders	D.C, Patient, Admin	Priority	High

2.7.2 Style Requirements

LFR02	All content must appear within the same format		
Description	Input field and other view results must be shown in a specific format.		
Stakeholders	Admin, Patient, D.C, Representative	Priority	Medium

2.8 Operational and Environmental Requirements

This requirement focuses on how the users operate the system, include in interfaces and interoperability with other systems. The requirement established how the system can perform under conditions.

2.9.1 Expected Physical Requirements

There are no specific expected physical requirements.

2.9.2 The Requirements for Interfacing Adjacent System

There is no specific interface with adjacent system requirements.

2.9 Legal Requirements

Legal requirements are the rules and regulations set by any organization.

2.10 Compliance Requirements

There are no specific compliance requirements.

CHAPTER 3

SYSTEM ANALYSIS

3.1 Use Case Diagram

A use case diagram is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved. In My system, except Admin, all the users are primary actor. D.C can create doctor posts and Patient can see those posts. On the other hand, Patient can create necessity posts and D.C can view the post. Admin can do anything as he/she wants. He/she has the access to all the posts created by any users. Representative users have some specific field.



Figure 3.1: Use case diagram for Doctor's Finder

3.1.1 Use Case Diagram for D.C(Diagnostic Center)

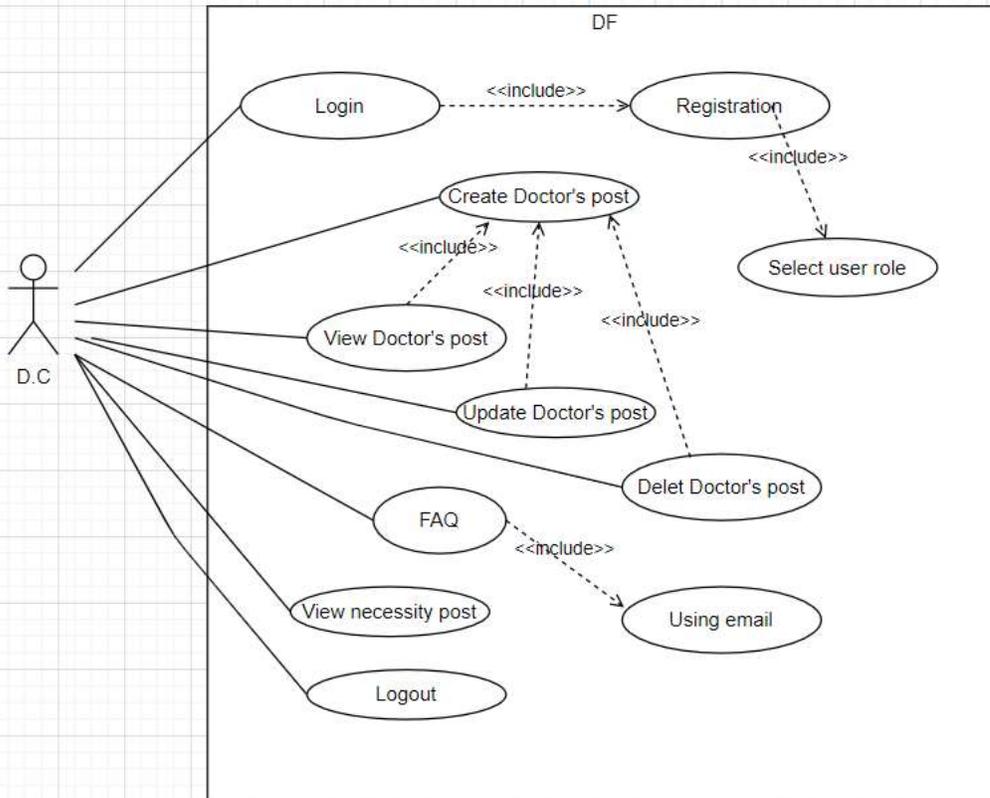


Figure 3.2: Use Case Diagram for D.C

Figure 3.2 represents the D.C(Diagnostic Center) Use Case Diagram. In my system, D.C(Diagnostic Center) needs to do registration for login to the system. After logging into the system, D.C(Diagnostic Center) can create the doctor posts for appointment. He has also the access to make any changes in his/her created posts. Our system will also provide to the D.C(Diagnostic Center) about Necessity/Appointment posts created by patient.

3.1.2 Use Case Diagram for Patient

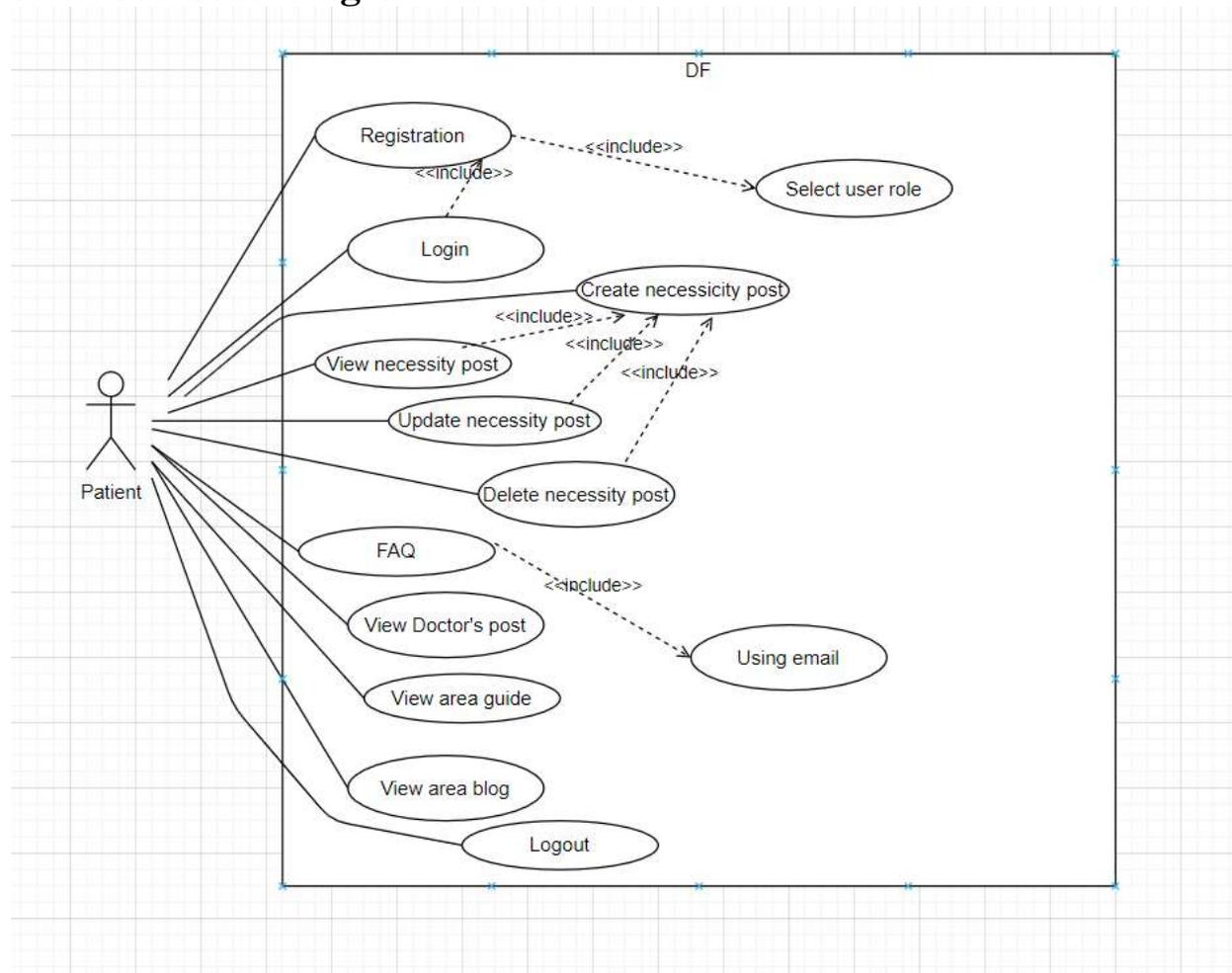


Figure 3.3: Use Case Diagram for Patient

Figure 3.3 represents the Patient Use Case Diagram. In my system, Patient needs to do registration for login to the system. After logging into the system, Patient can create the necessity/appointment posts for the doctor's visit. He has also the access to make any changes in his/her created posts. Our system will also provide to the patient about Doctor posts created by D.C(Diagnostic Center). Patient can also see the area guide and area blog.

3.1.3 Use Case Diagram for Admin



Figure 3.4: Use Case Diagram for Admin

Figure 3.4 represents the Admin Use Case Diagram. As we all know, an Admin is all in all in a system. Therefore, the whole system will be controlled by the Admin. He can make any changes to any user's posts. He can create the area blog and area guide and only he can make any changes to these portions. He can also send the answer which is come to the Representative users.

3.1.4 Use Case diagram for Representative

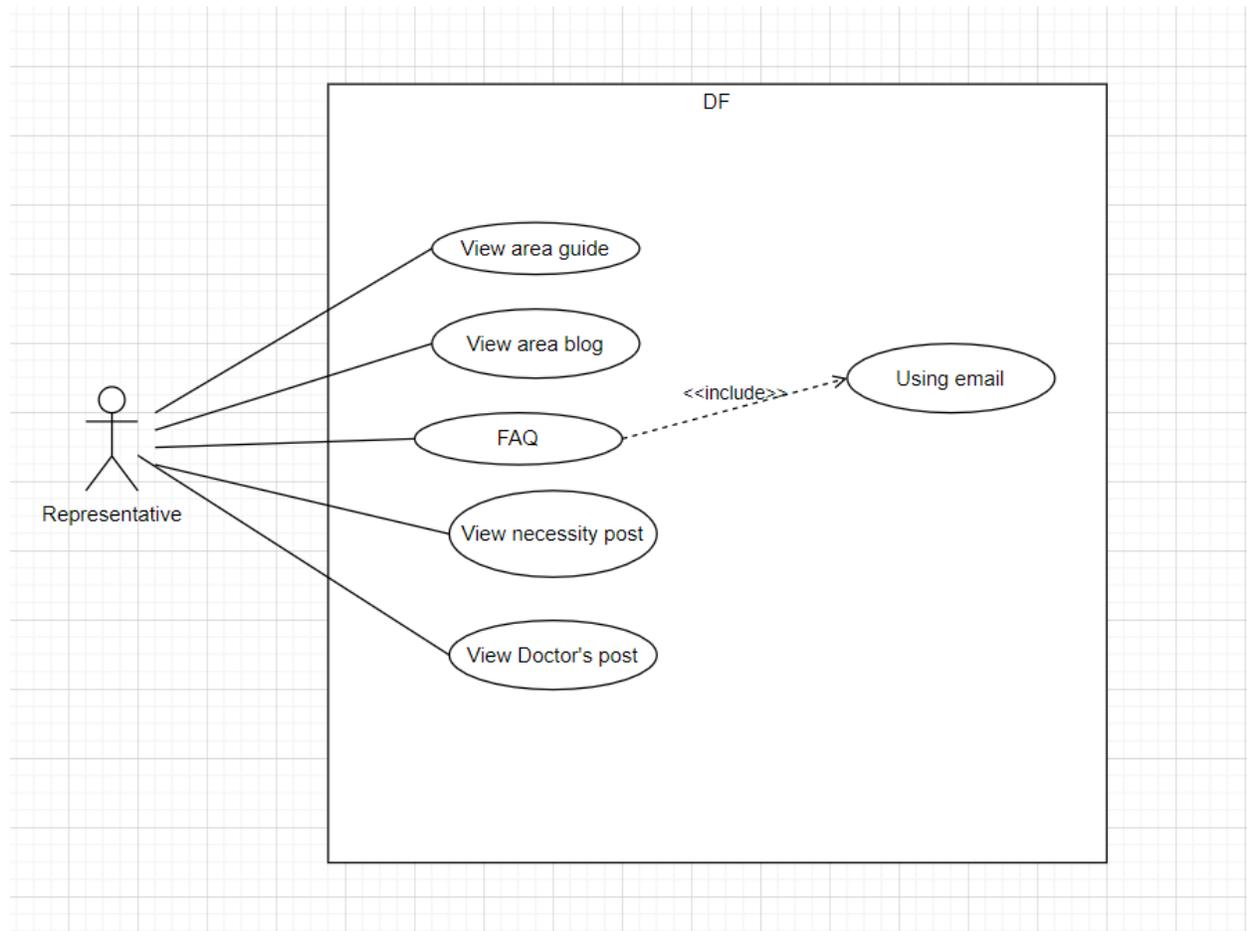


Figure 3.5: Use Case Diagram for Representative

Figure 3.5 represents the Representative Use Case Diagram. My system will give specific access to the Representative users. They can only view area guide and area blog and can send FAQ to the system Admin providing their email.

3.2 Use Case Description

3.2.1 Registration

Use Case	New account registration for Users	
Goal	Users can create an account successfully	
Precondition	N/A	
Success End Condition	New account is created	
Failed End Condition	Already have an account with the given email address	
Primary Actor	Admin, Patient, D.C(Diagnostic Center)	
Secondary Actor	N/A	
Trigger	Click on the “Register” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Registration page
	2	Users fill-up the required fields
	3	Users clicks on the “Register” button
	4	Users has registered an account successfully
Alternative Flows	Step	Branching Action
	1	Mandatory / required input fields are not filled in
	2	Cannot access the system
Quality Requirements	Step	Requirements

	1	N/A
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3.2.2 Login

Use Case	Login for registered users	
Goal	Registered users can login successfully	
Precondition	Registration successfully	
Success End Condition	Access to users' Dashboard	
Failed End Condition	Failed to login	
Primary Actor	Admin, Patient, D.C(Diagnostic Center)	
Secondary Actor	N/A	
Trigger	Click on the "Login" button	
Description / Main Success Scenario	Step	Action
	1	System will display the Login page
	2	It is mandatory to fill-up the login page with correct information
	3	Users clicks on the "Login" button
	4	Users has logged in successfully
Alternative Flows	Step	Branching Action
	1	Mandatory / required input fields are not filled with correct information
	2	Cannot access the system

Quality Requirements	Step	Requirements
	1	N/A

3.2.3 Select User-role

Use Case	Select User-role for Users	
Goal	Users can select role successfully	
Precondition	N/A	
Success End Condition	Users identity is created successfully	
Failed End Condition	Already selected the same role with same email.	
Primary Actor	Admin, Patient, D.C(Diagnostic Center)	
Secondary Actor	N/A	
Trigger	Click on the “User-role” button	
Description / Main Success	Step	Action
Scenario	1	System will display the Registration page
	2	Users fill-up the required fields with selecting user-role module
	3	Users select the user-role option
	4	Users has gained his/her required role successfully
Alternative Flows	Step	Branching Action
	1	User-role doesn't select
	2	Cannot access the system

Quality Requirements	Step	Requirements
	1	N/A

3.2.4 Create Doctor Post

Use Case	Create Doctor Post	
Goal	Users can create a doctor post successfully	
Precondition	Should be registered user	
Success End Condition	Create doctor post properly	
Failed End Condition	Failed to create doctor post	
Primary Actor	D.C(Diagnostic Center)	
Secondary Actor	Admin	
Trigger	Click on the “Submit” button	
Description / Main Success	Step	Action
Scenario	1	System will display the “Doctor create” page
	2	Users fill-up the required fields
	3	Users clicks on the “Submit” button
	4	Users has created a doctor post successfully
Alternative Flows	Step	Branching Action
	1	Mandatory / required input fields are not filled in

	2	Cannot create doctor post
Quality Requirements	Step	Requirements
	1	N/A

3.2.5 View Doctor Post

Use Case	View Doctor Post	
Goal	Users can View Doctor Post successfully	
Precondition	Should be registered user	
	Doctor Post must be created by D.C(Diagnostic Center)	
Success End Condition	View Doctor Post Successfully	
Failed End Condition	Failed to see the Doctor Post	
Primary Actor	D.C(Diagnostic Center), Patient	
Secondary Actor	Admin	
Trigger	Click on the “View Doctor” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Dashboard page
	2	Users clicks on the “View Doctor” button
	3	Users can see the Doctor Post successfully
Alternative Flows	Step	Branching Action
	1	The system is failed to show Doctor Post

Quality Requirements	Step	Requirements
	1	N/A

3.2.6 Update Doctor Post

Use Case	Update Doctor post	
Goal	Users can update doctor information successfully	
Precondition	Should be Registered User	
	Doctor Post must be created by D.C(Diagnostic Center)	
Success End Condition	Update doctor post information successfully	
Failed End Condition	Failed to update information	
Primary Actor	D.C(Diagnostic Center)	
Secondary Actor	Admin	
Trigger	Click on the “Update” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Doctor Post
	2	Users can change information if he/she wants
	3	Users clicks on the “Update” button
	4	Users can update some information successfully

Alternative Flows	Step	Branching Action
	1	Data mismatched
	2	Failed to update
Quality Requirements	Step	Requirements
	1	N/A

3.2.7 Delete Doctor Post

Use Case	Delete Doctor Post	
Goal	Users can delete a post successfully if it seems unnecessary	
Precondition	Should be registered users	
	Doctor post must be created by D.C(Diagnostic Center)	
Success End Condition	Successfully deleting post	
Failed End Condition	Failed to delete	
Primary Actor	D.C(Diagnostic Center)	
Secondary Actor	Admin	
Trigger	Click on the “Delete” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Doctor Post page
	2	Users clicks on the “Delete” button

	4	Users has deleted a doctor post successfully
Alternative Flows	Step	Branching Action
	1	Cannot delete a doctor post successfully
Quality Requirements	Step	Requirements
	1	N/A

3.2.8 Create Necessity Post

Use Case	Create Necessity Post	
Goal	Users can create a necessity post successfully	
Precondition	Should be registered user	
Success End Condition	Create necessity post properly	
Failed End Condition	Failed to create necessity post	
Primary Actor	Patient	
Secondary Actor	Admin	
Trigger	Click on the “Submit” button	
Description / Main Success Scenario	Step	Action
	1	System will display the “Necessity create” page
	2	Users fill-up the required fields

	3	Users clicks on the “Submit” button
	4	Users has created a necessity post successfully
Alternative Flows	Step	Branching Action
	1	Mandatory / required input fields are not filled in
	2	Cannot create necessity post
Quality Requirements	Step	Requirements
	1	N/A

3.2.9 View Necessity Post

Use Case	View Necessity Post
Goal	Users can View Necessity Post successfully
Precondition	Should be registered user
	Necessity Post must be created by Patient
Success End Condition	View Necessity Post Successfully
Failed End Condition	Failed to see the Necessity Post
Primary Actor	D.C(Diagnostic Center), Patient
Secondary Actor	Admin

Trigger	Click on the “View Necessity” button	
Description / Main Success	Step	Action
Scenario	1	System will display the Dashboard page
	2	Users clicks on the “View Necessity” button
	3	Users can see the Necessity Post successfully
Alternative Flows	Step	Branching Action
	1	The system is failed to show Necessity Post
Quality Requirements	Step	Requirements
	1	N/A

3.2.10 Update Necessity Post

Use Case	Update Necessity post
Goal	Users can update necessity information successfully
Precondition	Should be Registered User
	Necessity Post must be created by Patient
Success End Condition	Update necessity post information successfully
Failed End Condition	Failed to update information

Primary Actor	Patient	
Secondary Actor	Admin	
Trigger	Click on the “Update” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Necessity Post
	2	Users can change information if he/she wants
	3	Users clicks on the “Update” button
	4	Users can update some information successfully
Alternative Flows	Step	Branching Action
	1	Data mismatched
	2	Failed to update
Quality Requirements	Step	Requirements
	1	N/A

3.2.11 Delete Necessity Post

Use Case	Delete Necessity Post
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Goal	Users can delete a post successfully if it seems unnecessary	
Precondition	Should be registered users	
	Necessity post must be created by D.C(Diagnostic Center)	
Success End Condition	Successfully deleting post	
Failed End Condition	Failed to delete	
Primary Actor	Patient	
Secondary Actor	Admin	
Trigger	Click on the “Delete” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Necessity Post page
	2	Users clicks on the “Delete” button
	4	Users has deleted a necessity post successfully
Alternative Flows	Step	Branching Action
	1	Cannot delete a necessity post successfully
Quality Requirements	Step	Requirements
	1	N/A

3.2.12 Add Area Guide

Use Case	Add Area Guide	
Goal	Users can create an Area Guide successfully	
Precondition	Should be registered user	
Success End Condition	Add Area Guide properly	
Failed End Condition	Failed to create Area Guide	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “Submit” button	
Description / Main Success	Step	Action
Scenario	1	System will display the “Add Area” page
	2	Users fill-up the required fields
	3	Users clicks on the “Submit” button
	4	Users has created an Area Guide successfully
Alternative Flows	Step	Branching Action
	1	Mandatory / required input fields are not filled in
	2	Cannot add Area Guide
Quality Requirements	Step	Requirements
	1	N/A

3.2.13 View Area Guide

Use Case	View Area Guide	
Goal	Users can View Area Guide successfully	
Precondition	Area Guide must be created by Admin	
Success End Condition	View Area Guide Successfully	
Failed End Condition	Failed to see the Area Guide	
Primary Actor	Admin, Patient, D.C(Diagnostic Center), Representative	
Secondary Actor	N/A	
Trigger	Click on the “View Area Guide” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Home page
	2	Users clicks on the “View Area Guide” button
	3	Users can see the Area Guide successfully
Alternative Flows	Step	Branching Action
	1	The system is failed to show Area Guide
Quality Requirements	Step	Requirements
	1	N/A

3.2.14 Update Area Guide

Use Case	Update Area Guide	
Goal	Users can update area guide information successfully	
Precondition	Should be Registered User	
	Area Guide must be created by Admin	
Success End Condition	Update Area guide information successfully	
Failed End Condition	Failed to update information	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “Update” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Area Guide
	2	Users can change information if he/she wants
	3	Users clicks on the “Update” button
	4	Users can update some information successfully
Alternative Flows	Step	Branching Action
	1	Data mismatched
	2	Failed to update
Quality Requirements	Step	Requirements

	1	N/A
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3.2.15 Delete Area Guide

Use Case	Delete Area Guide	
Goal	Users can delete Area Guide successfully if it seems unnecessary	
Precondition	Should be registered users	
	Area Guide must be created by Admin	
Success End Condition	Successfully deleting post	
Failed End Condition	Failed to delete	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “Delete” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Area Guide page
	2	Users clicks on the “Delete” button
	4	Users has deleted area guide successfully
Alternative Flows	Step	Branching Action
	1	Cannot delete area guide successfully

Quality Requirements	Step	Requirements
	1	N/A

3.2.16 Add Area Blog

Use Case	Add Area Blog	
Goal	Users can create an Area Blog successfully	
Precondition	Should be registered user	
Success End Condition	Add Area Blog properly	
Failed End Condition	Failed to create Area Blog	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “Submit” button	
Description / Main Success Scenario	Step	Action
	1	System will display the “Add Blog” page
	2	Users fill-up the required fields
	3	Users clicks on the “Submit” button
	4	Users has created an Area Blog successfully

Alternative Flows	Step	Branching Action
	1	Mandatory / required input fields are not filled in
	2	Cannot add Area Blog
Quality Requirements	Step	Requirements
	1	N/A

3.2.17 View Area Blog

Use Case	View Area Blog	
Goal	Users can View Area Blog successfully	
Precondition	Area Blog must be created by Admin	
Success End Condition	View Area Blog Successfully	
Failed End Condition	Failed to see the Area Blog	
Primary Actor	Admin, Patient, D.C(Diagnostic Center) , Representative	
Secondary Actor	N/A	
Trigger	Click on the “View Area Blog” button	
Description / Main Success	Step	Action
Scenario	1	System will display the Home page

	2	Users clicks on the “View Area Blog” button
	3	Users can see the Area Blog successfully
Alternative Flows	Step	Branching Action
	1	The system is failed to show Area Blog
Quality Requirements	Step	Requirements
	1	N/A

3.2.18 Update Area Blog

Use Case	Update Area Blog	
Goal	Users can update area blog information successfully	
Precondition	Should be Registered User	
	Area Blog must be created by Admin	
Success End Condition	Update Area Blog information successfully	
Failed End Condition	Failed to update information	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “Update” button	
Description / Main Success	Step	Action
Scenario	1	System will display the Area Blog

	2	Users can change information if he/she wants
	3	Users clicks on the “Update” button
	4	Users can update some information successfully
Alternative Flows	Step	Branching Action
	1	Data mismatched
	2	Failed to update
Quality Requirements	Step	Requirements
	1	N/A

3.2.19 Delete Area Blog

Use Case	Delete Area Blog
Goal	Users can delete Area Blog successfully if it seems unnecessary
Precondition	Should be registered users
	Area Blog must be created by Admin
Success End Condition	Successfully deleting post
Failed End Condition	Failed to delete
Primary Actor	Admin
Secondary Actor	N/A

Trigger	Click on the “Delete” button	
Description / Main Success	Step	Action
Scenario	1	System will display the Area Blog page
	2	Users clicks on the “Delete” button
	4	Users has deleted area blog successfully
Alternative Flows	Step	Branching Action
	1	Cannot delete area blog successfully
Quality Requirements	Step	Requirements
	1	N/A

3.2.20 FAQ

Use Case	FAQ for the users	
Goal	Users can Ask any question to the Admin	
Precondition	N/A	
Success End Condition	Can Ask a question to the admin through email	
Failed End Condition	Failed to ask questions	
Primary Actor	Admin, Patient, D.C(Diagnostic Center)	
Secondary Actor	N/A	
Trigger	Click on the “FAQ” button	
Description / Main Success	Step	Action
Scenario	1	System will display the FAQ page

	2	Users can fill-up the required fields and ask any question
	3	Users clicks on the “submit” button
	4	Users question can be seen by Admin
Alternative Flows	Step	Branching Action
	1	Mandatory / required input fields are not filled in
	2	Cannot ask any question
Quality Requirements	Step	Requirements
	1	N/A

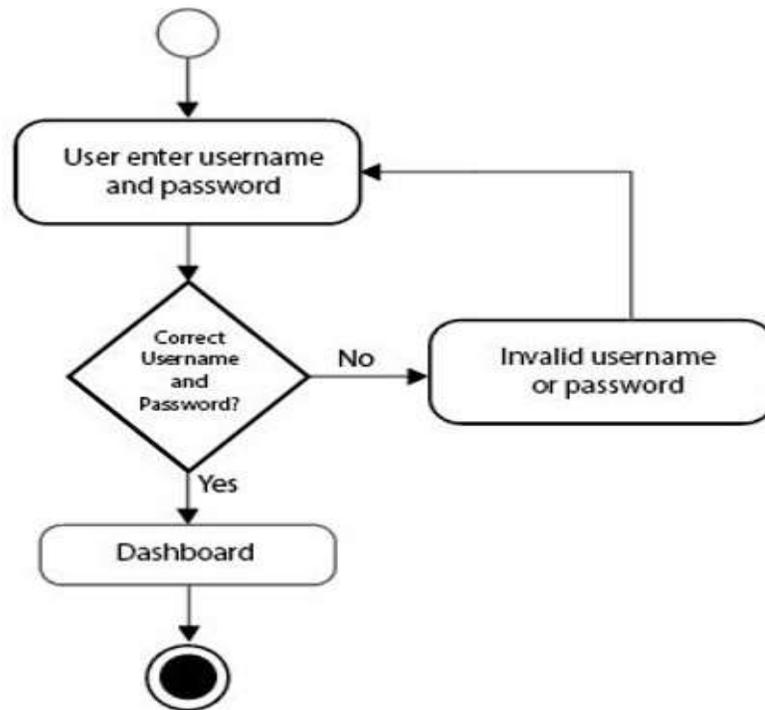
3.2.21 Logout

Use Case	Logout for registered users	
Goal	Users can log out of their account	
Precondition	Users must be logged in to the system	
Success End Condition	Users log out form their Dashboard	
Failed End Condition	Cannot access to the system	
Primary Actor	Admin, Patient, D.C(Diagnostic Center)	
Secondary Actor	N/A	
Trigger	Click on the “Log out” button	
Description / Main Success	Step	Action

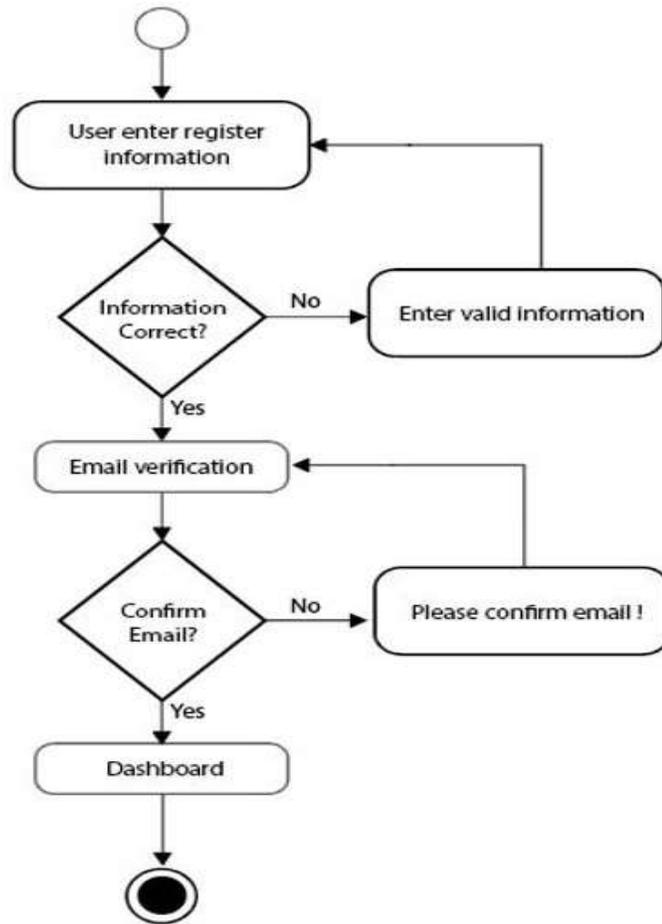
Scenario	1	System will display the member dashboard
	2	Users clicks on the “Log Out” button
	4	Users get logged out to the system
Alternative Flows	Step	Branching Action
	1	Cannot access the system
Quality Requirements	Step	Requirements
	1	N/A

3.3 Activity Diagram

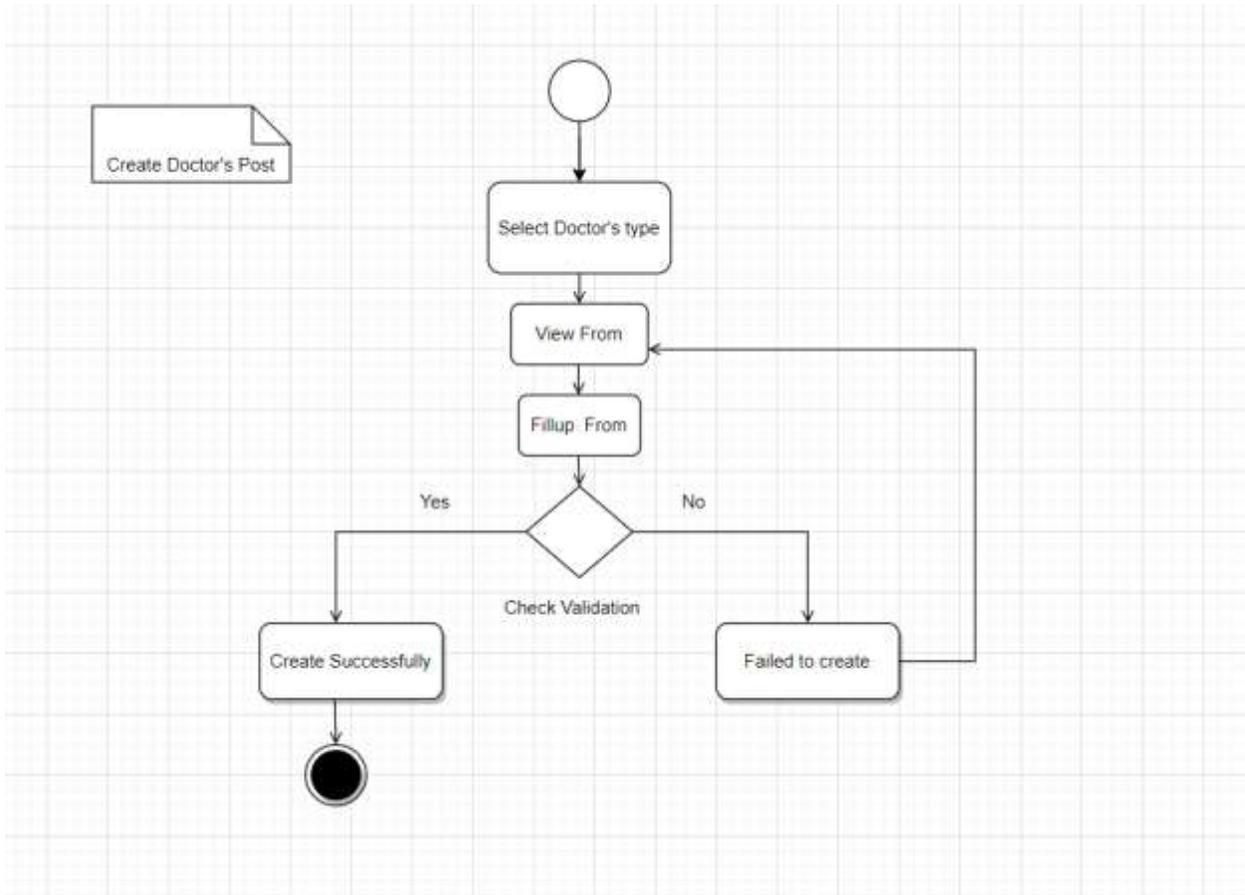
3.3.1 Registration



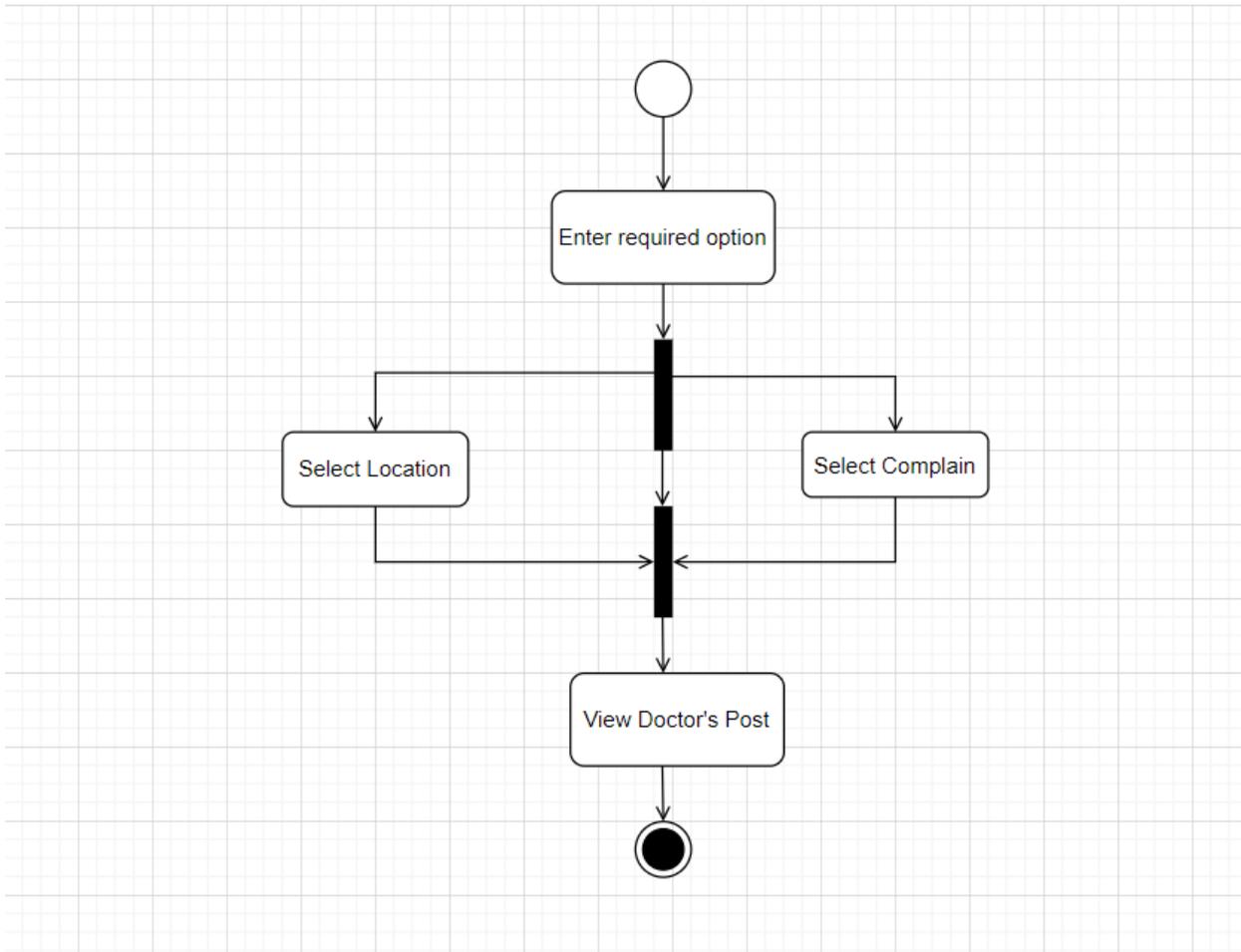
3.3.2 Login



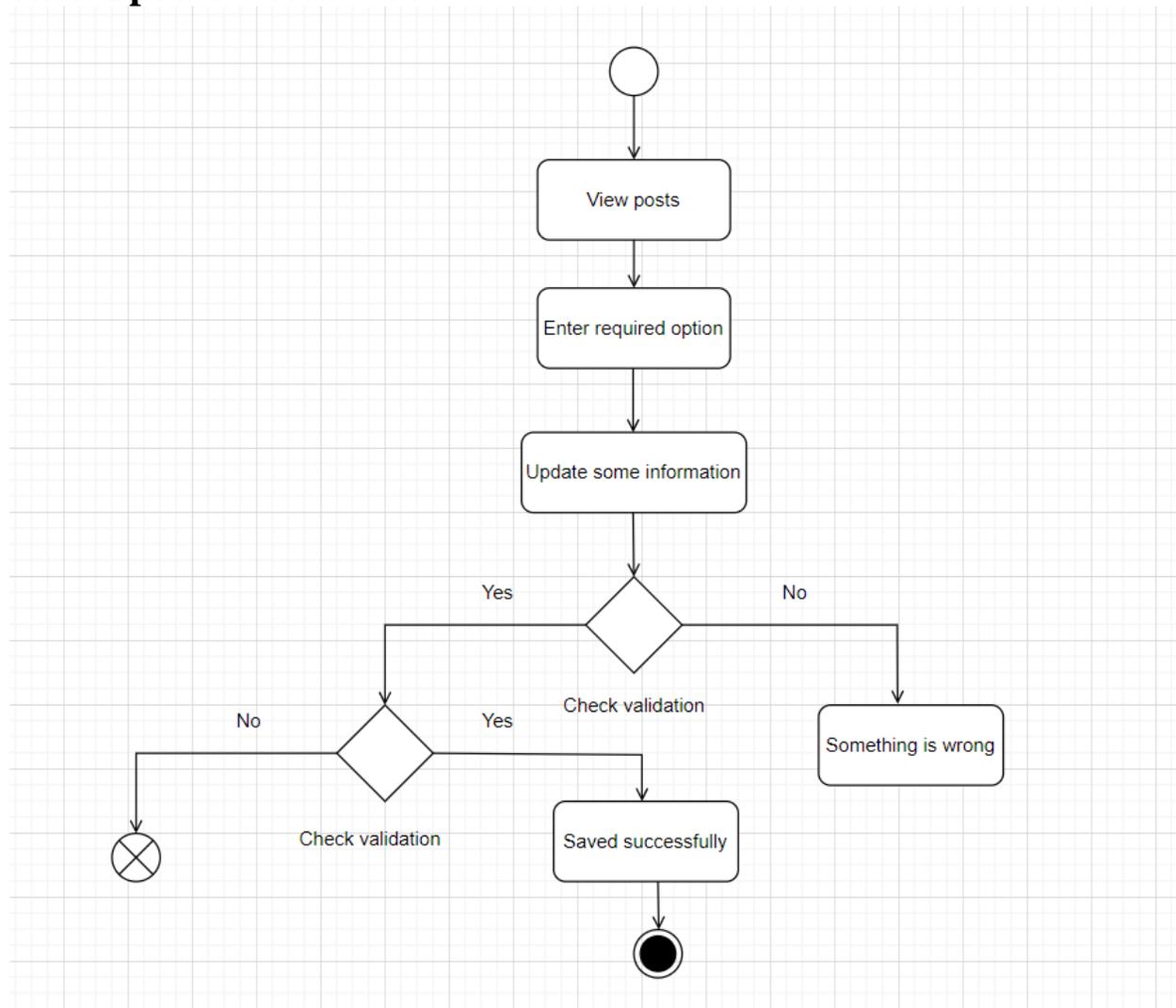
3.3.3 Create Doctor Post



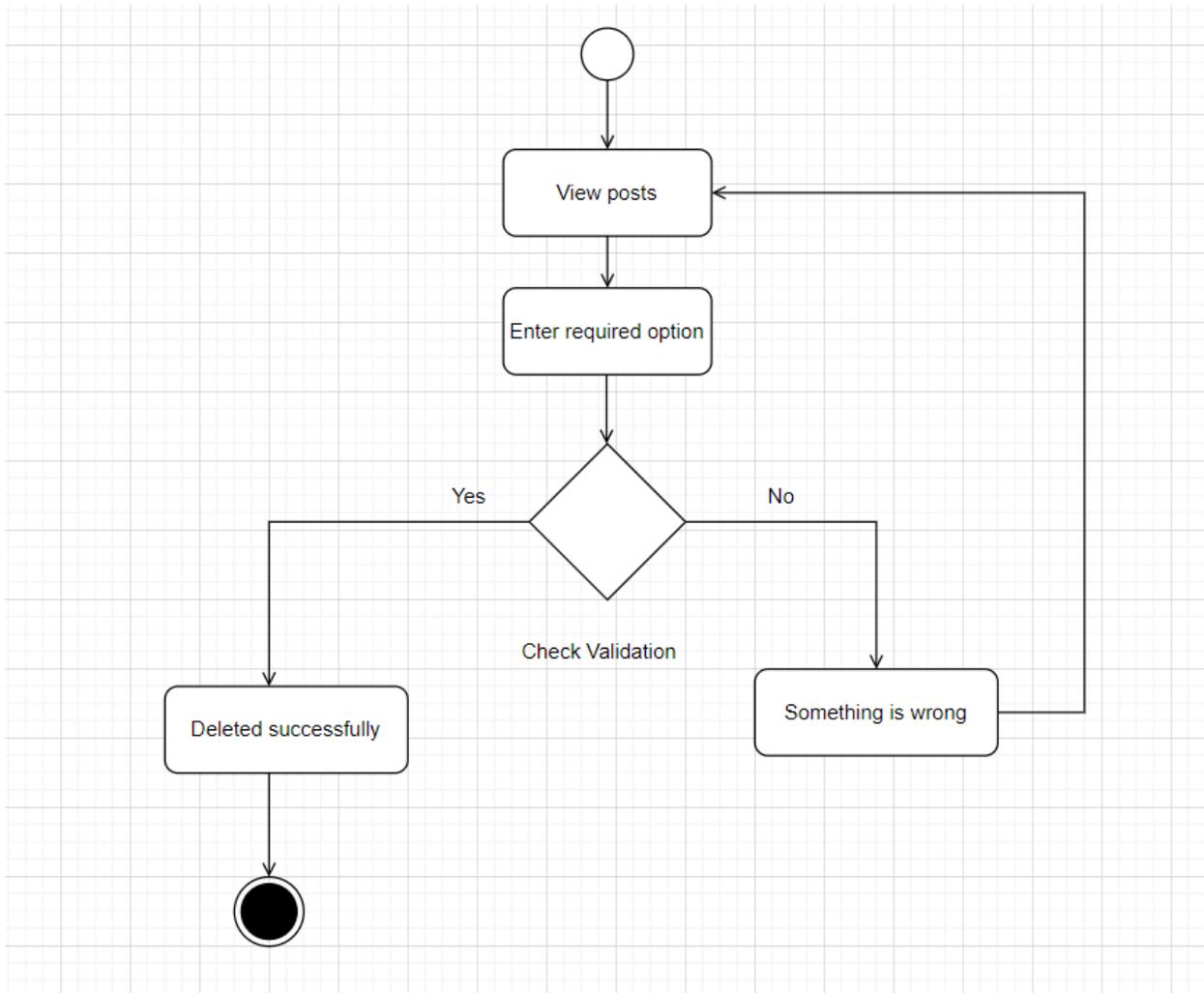
3.3.4 View Doctor Post



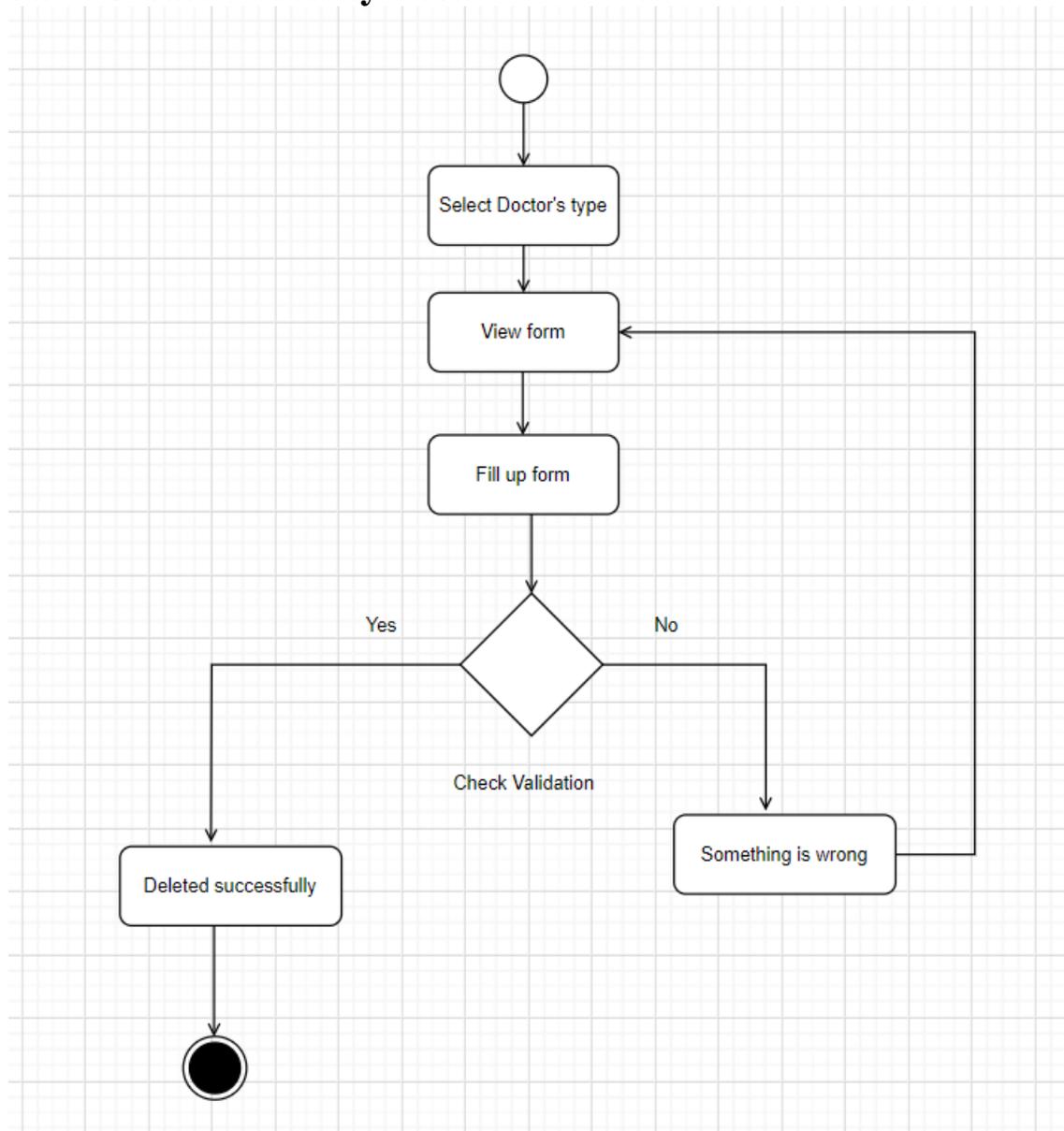
3.3.5 Update Doctor Post



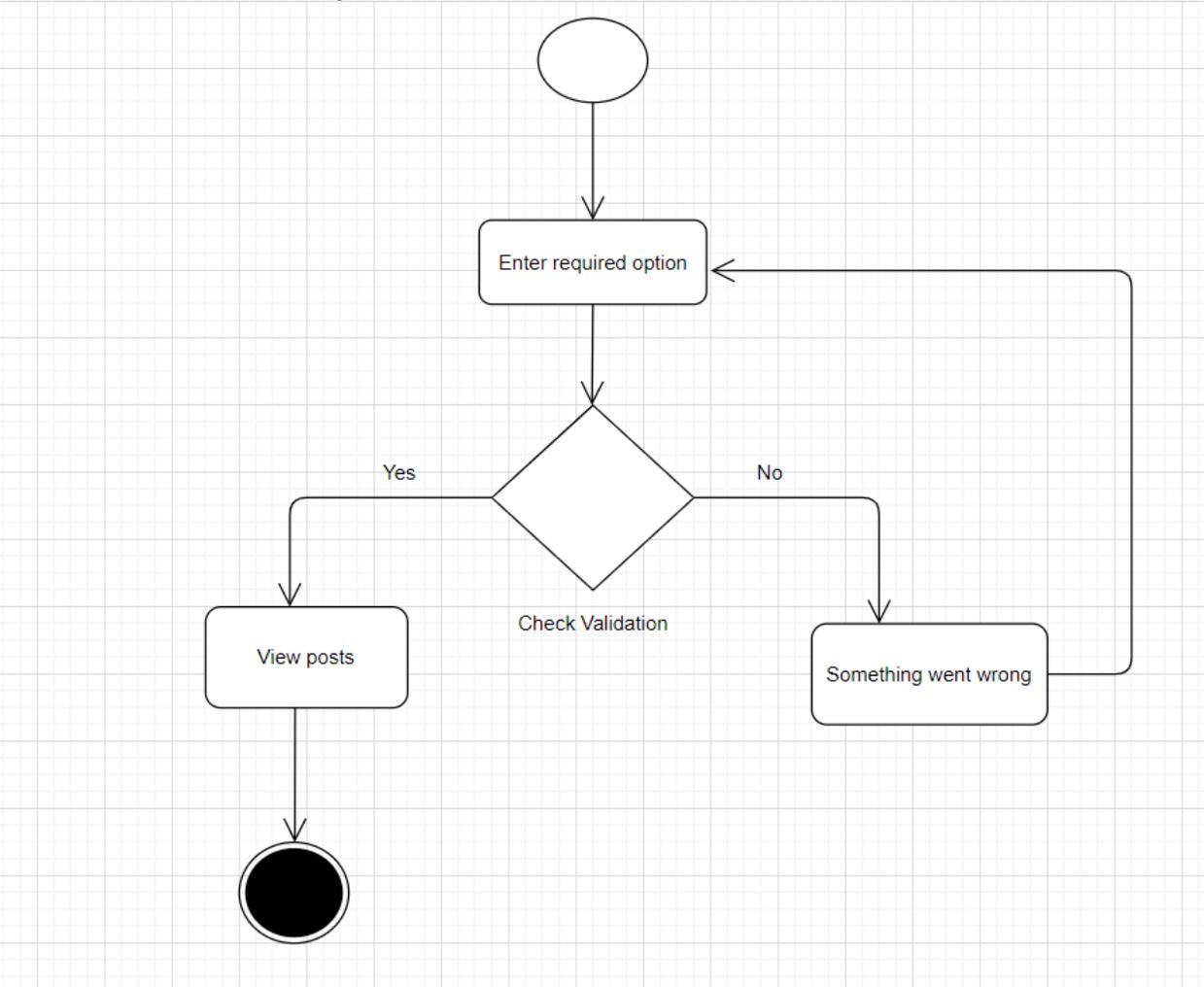
3.3.6 Delete Doctor Post



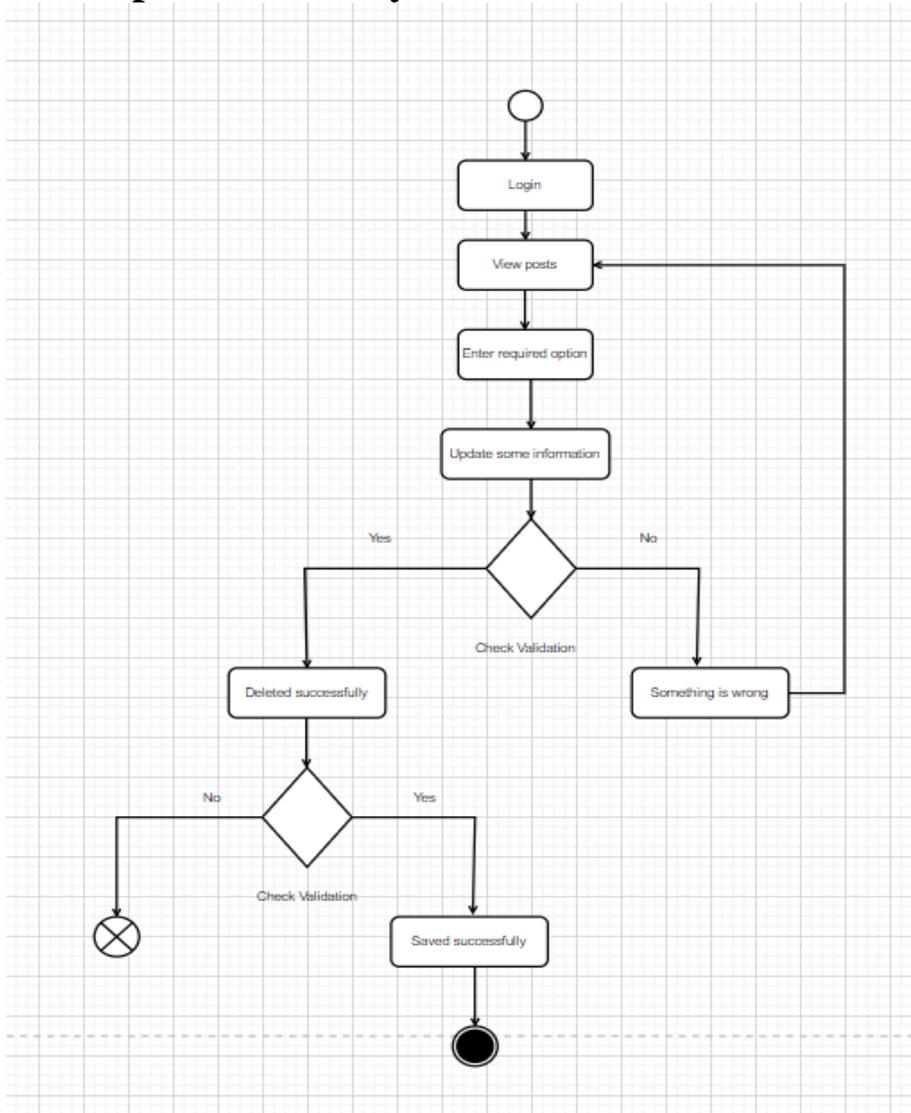
3.3.7 Create Necessity Post



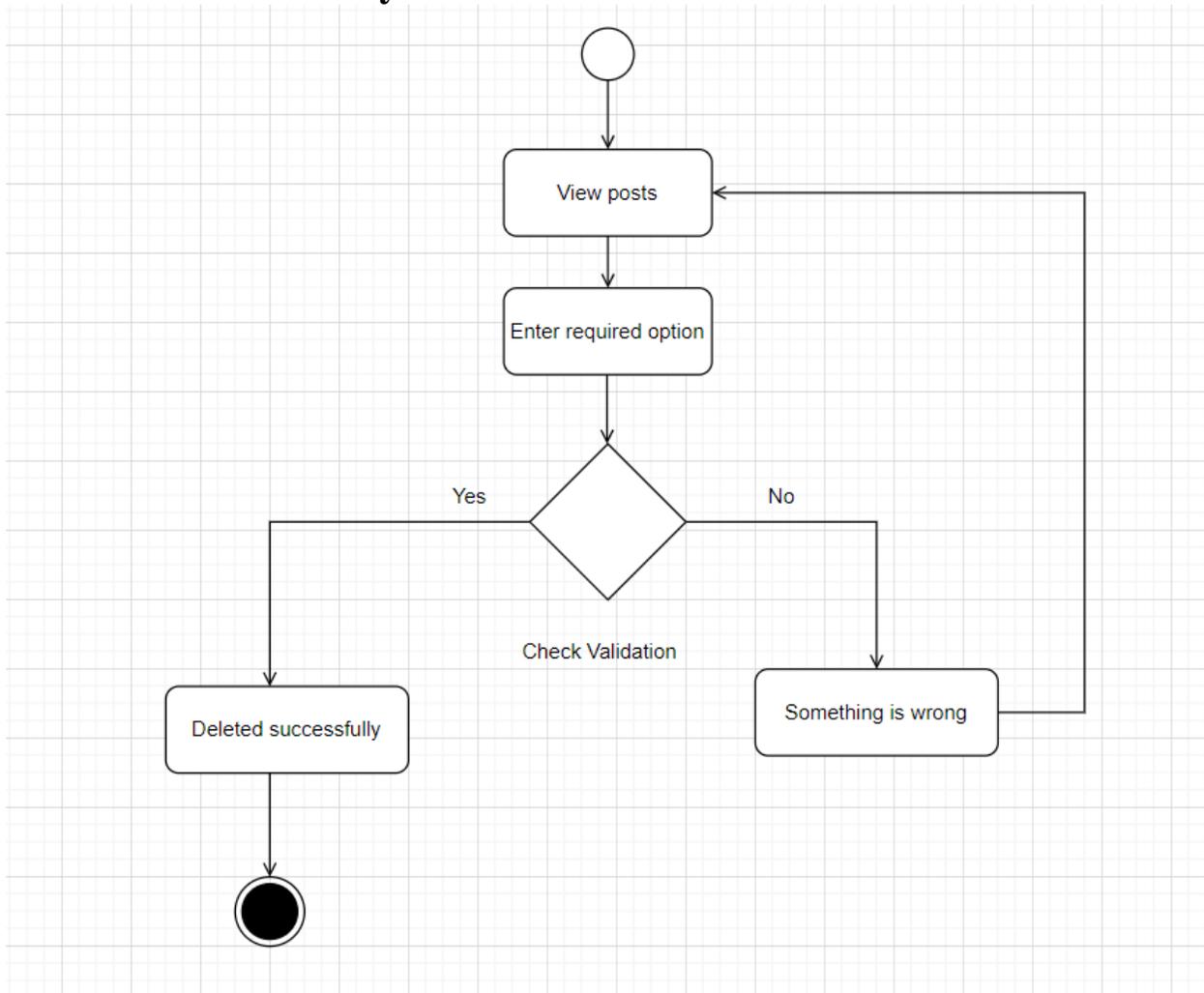
3.3.8 View Necessity Post



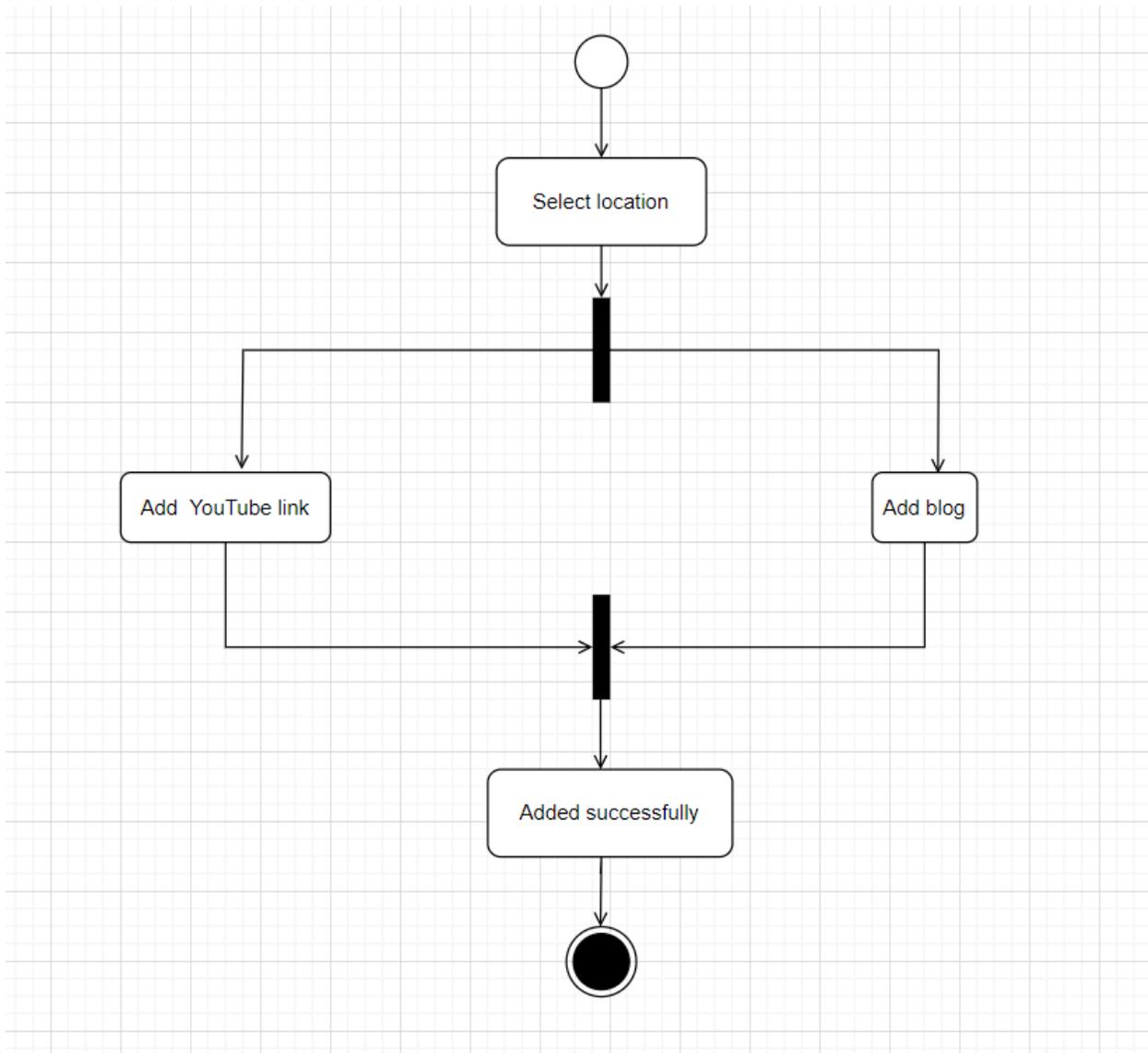
3.3.9 Update Necessity Post



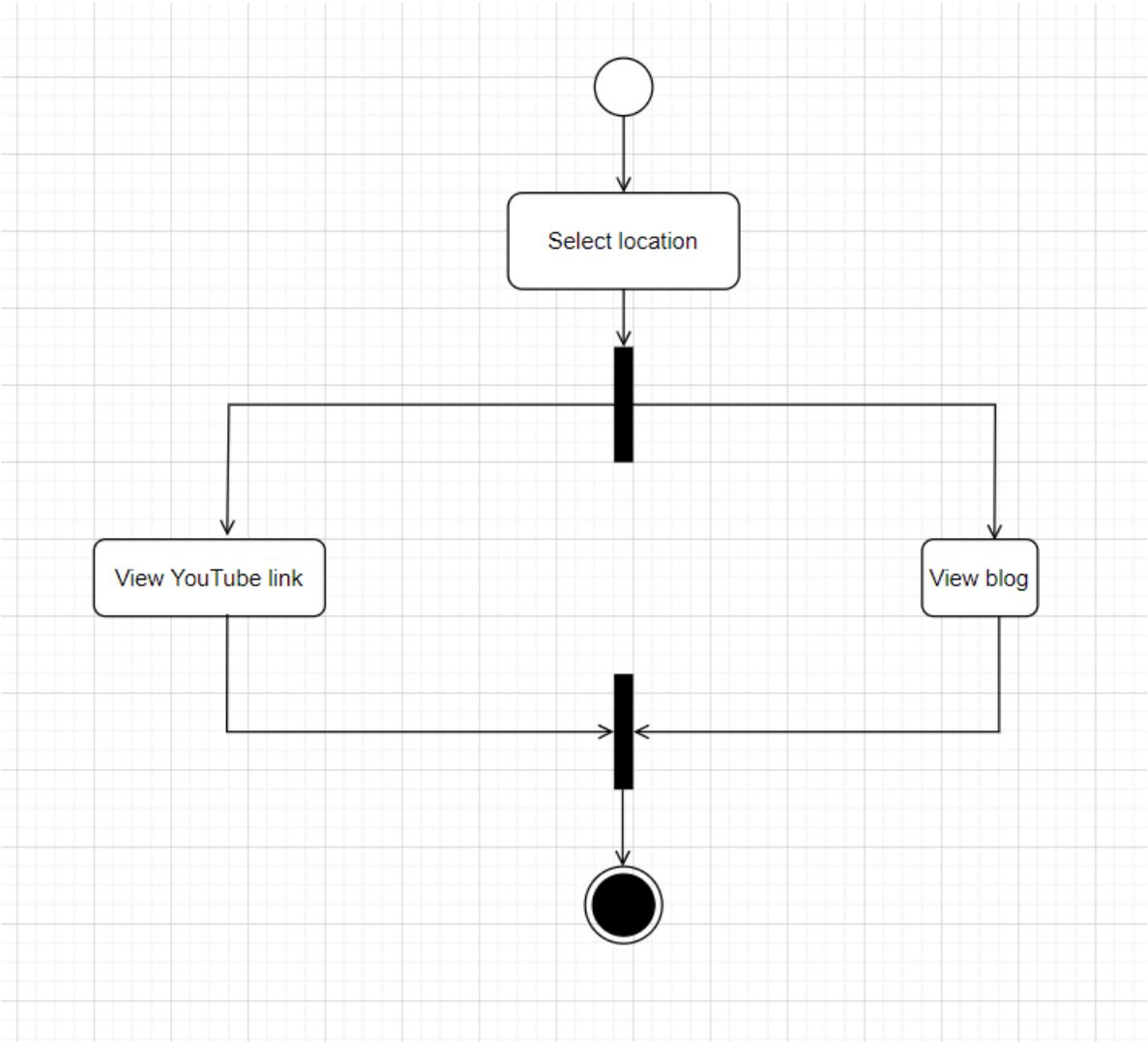
3.3.10 Delete Necessity Post



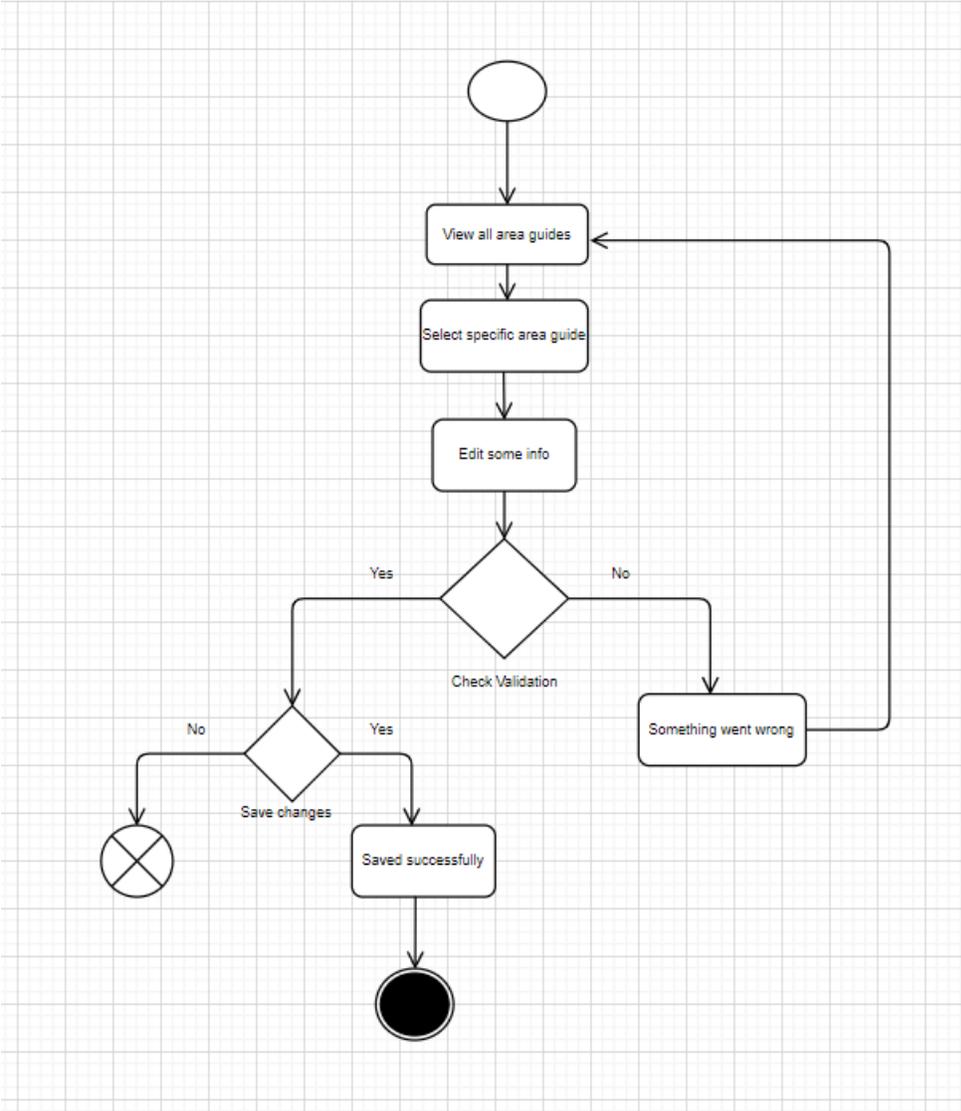
3.3.11 Add Area Guide



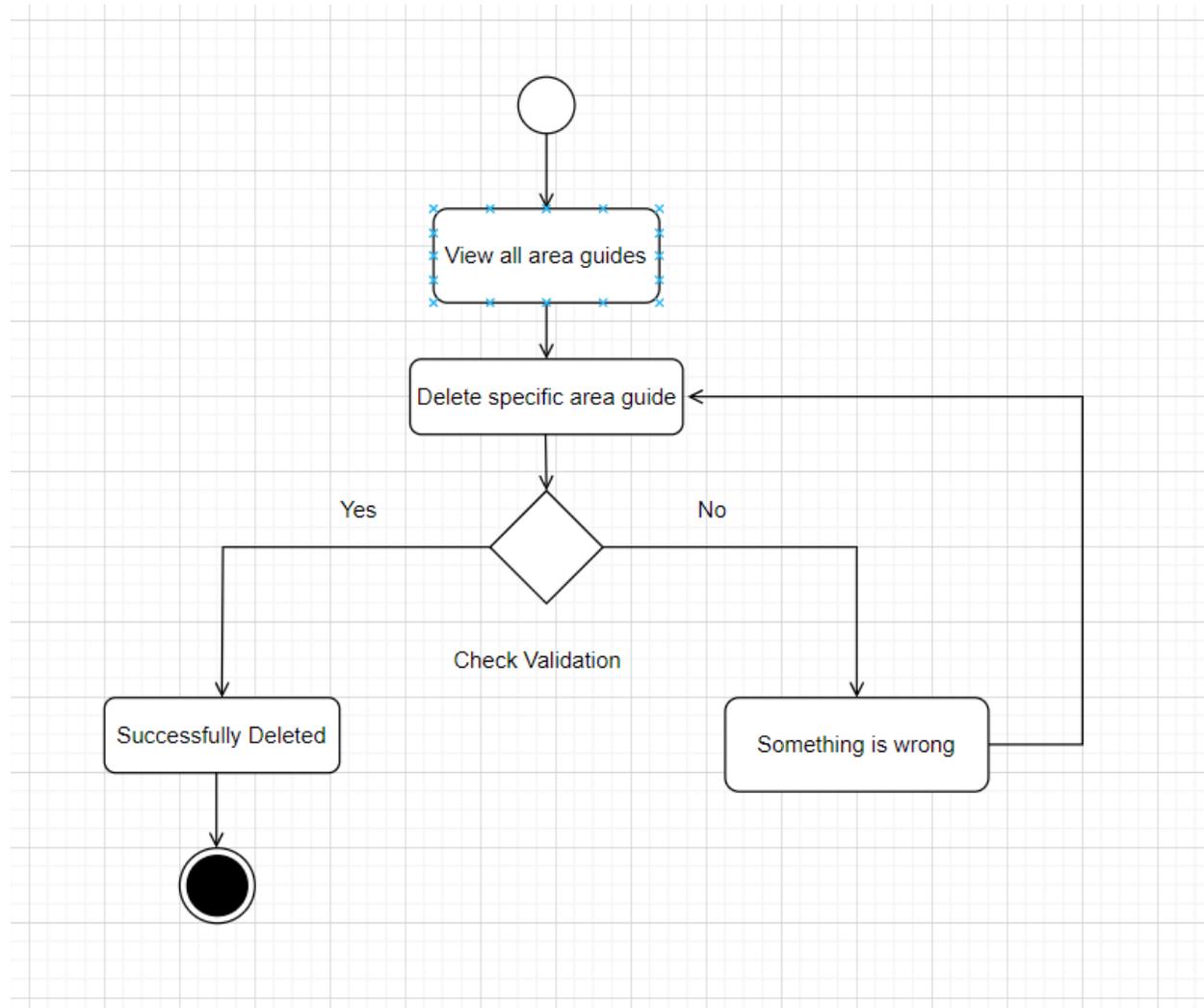
3.3.12 View Area Guide



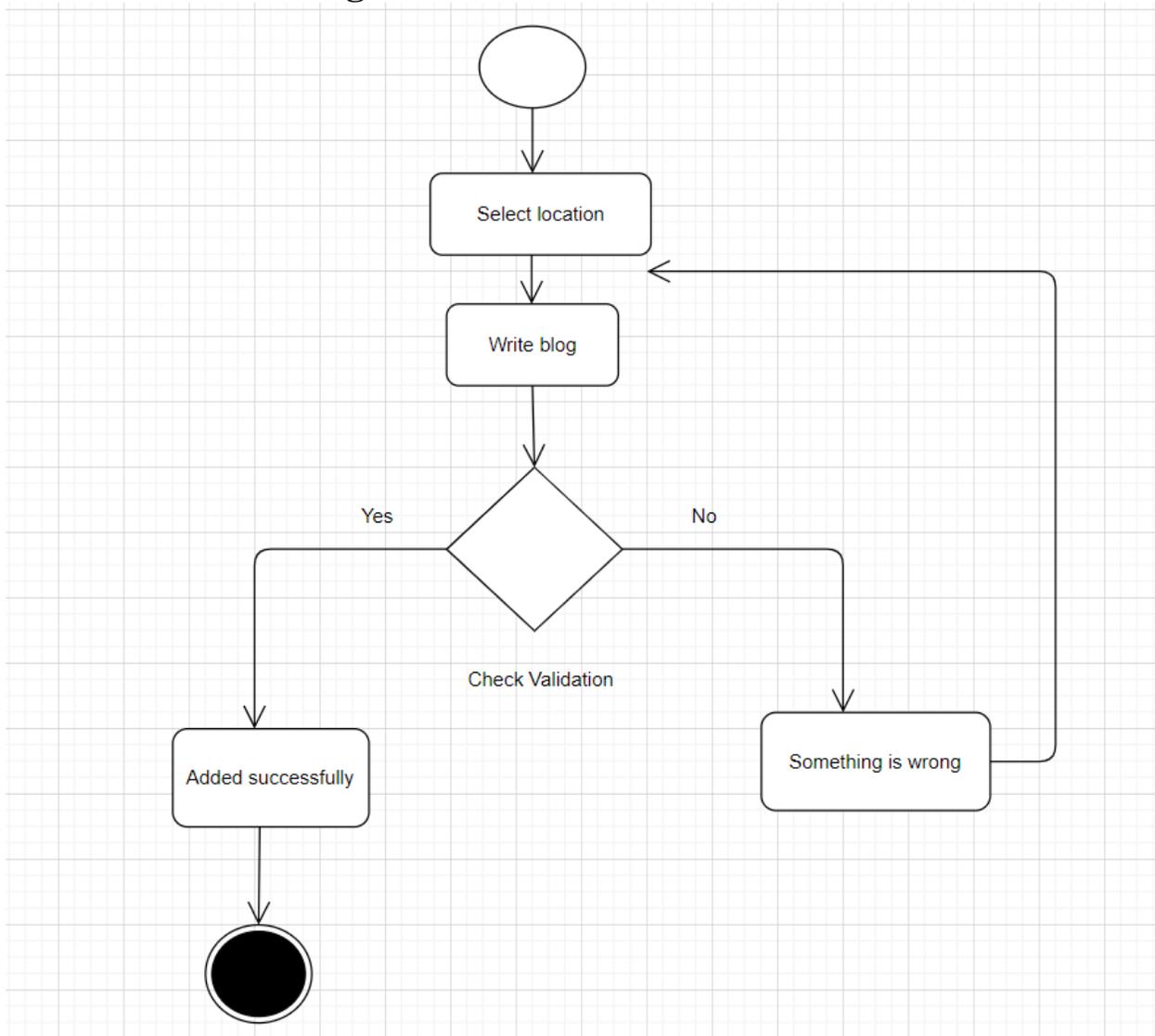
3.3.13 Edit Area Guide



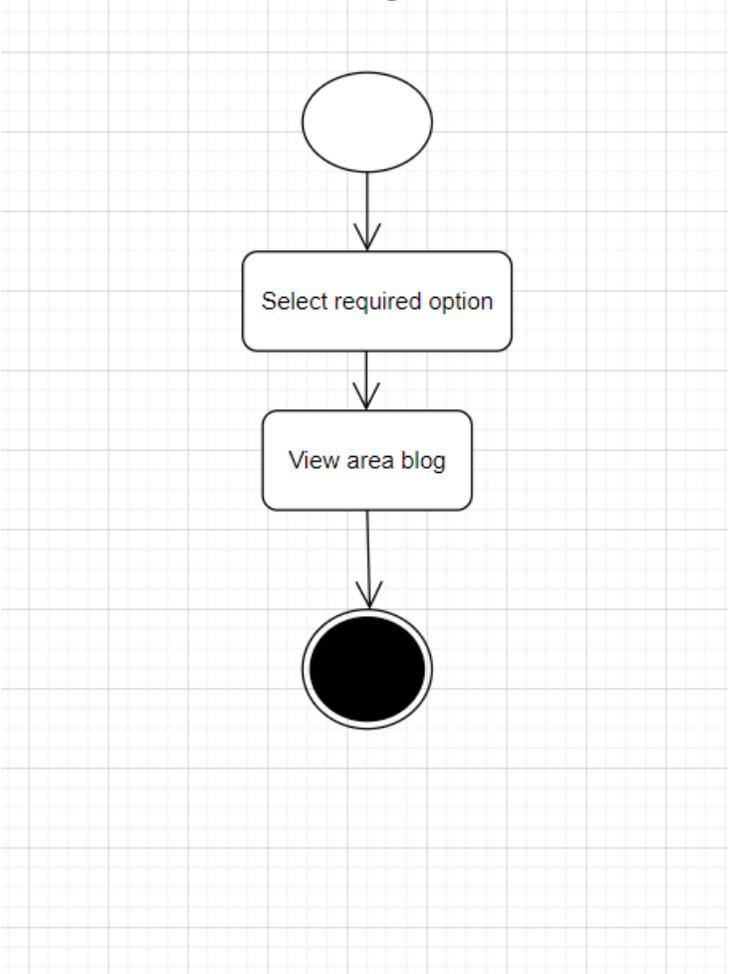
3.3.14 Delete Area Guide



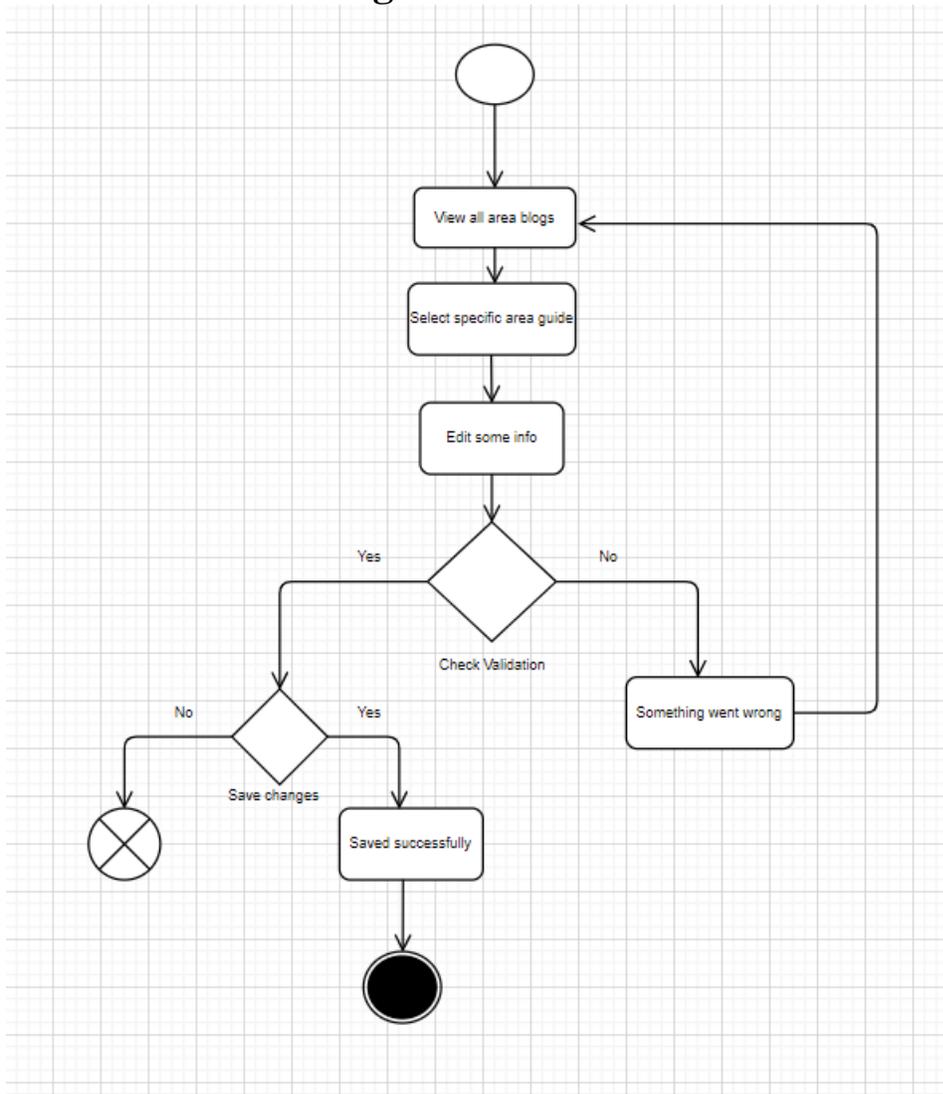
3.3.15 Add Area Blog



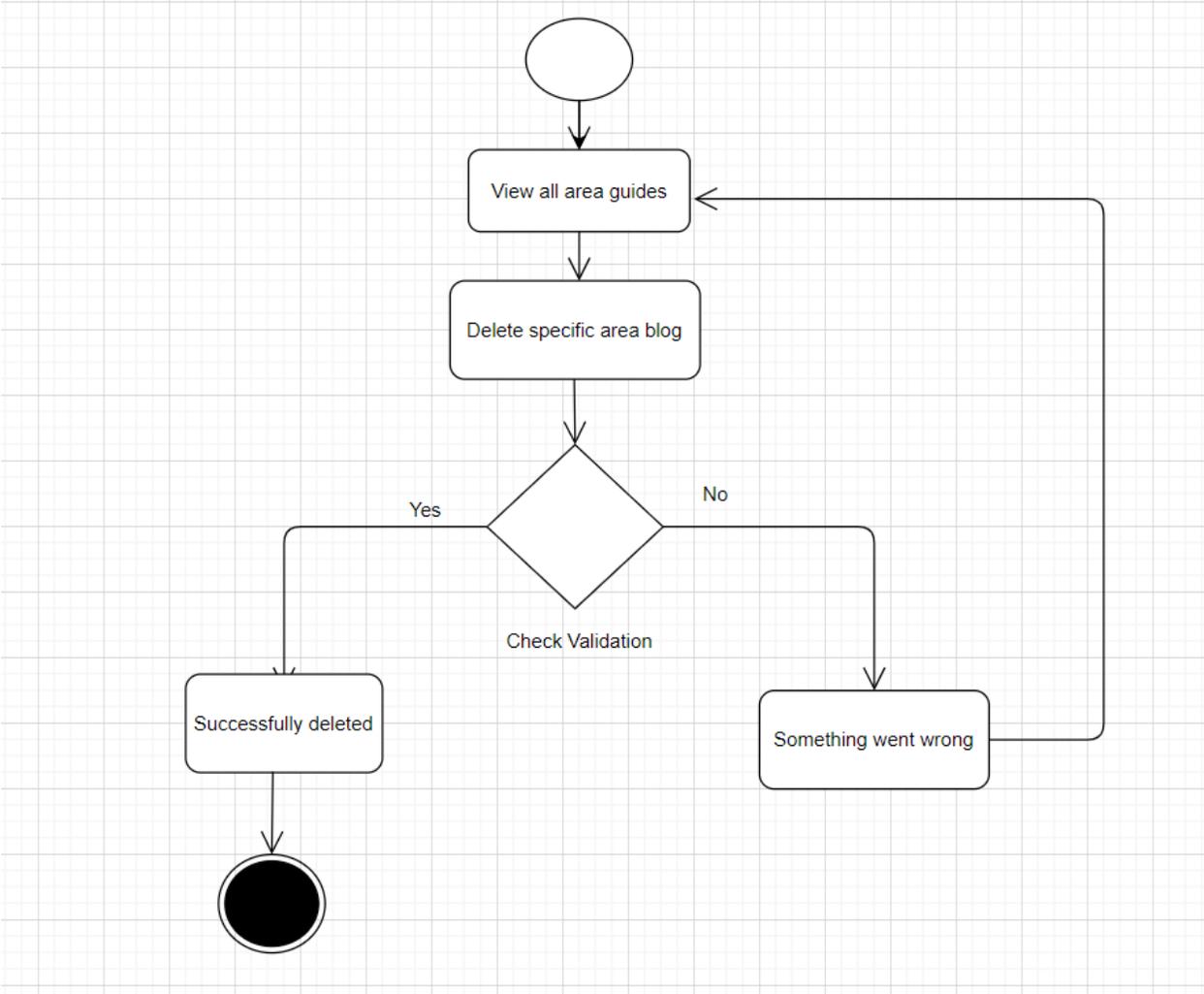
3.3.16 View Area Blog



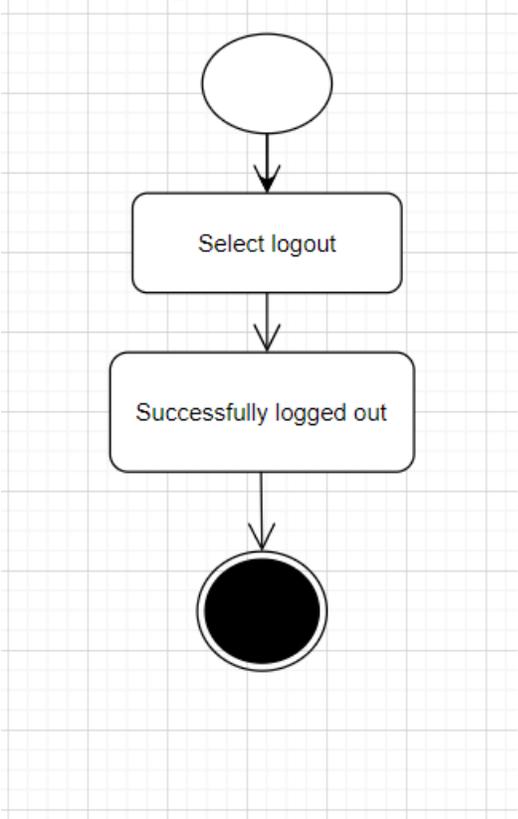
3.3.17 Edit Area Blog



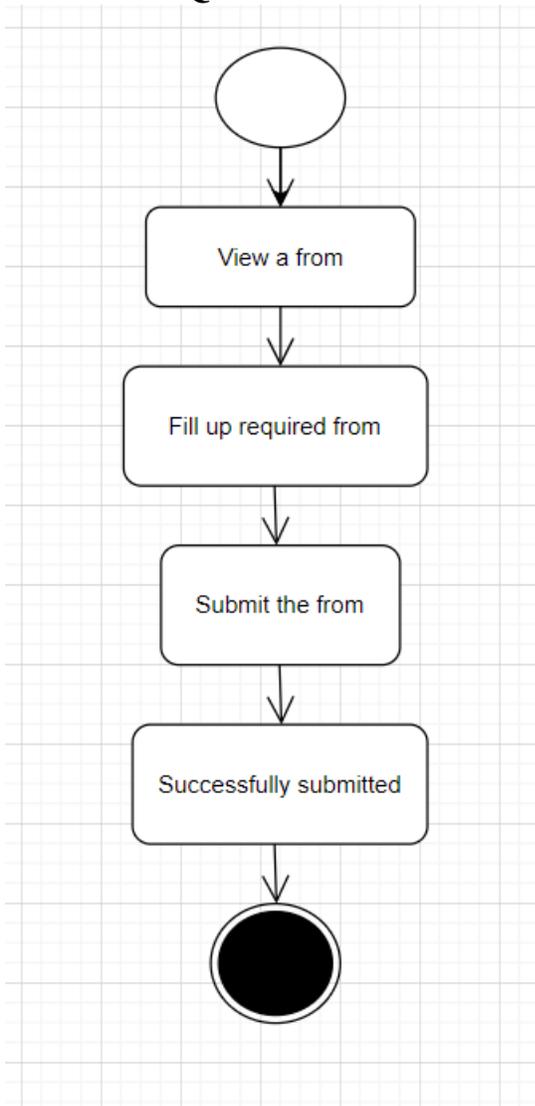
3.3.18 Delete Area Blog



3.3.19 Logout



3.3.20 FAQ



3.4 Sequence Diagram

I have separated the Sequence Diagram according to the working issue.

3.4.1 Doctor's Issue for D.C, Patient and Representative

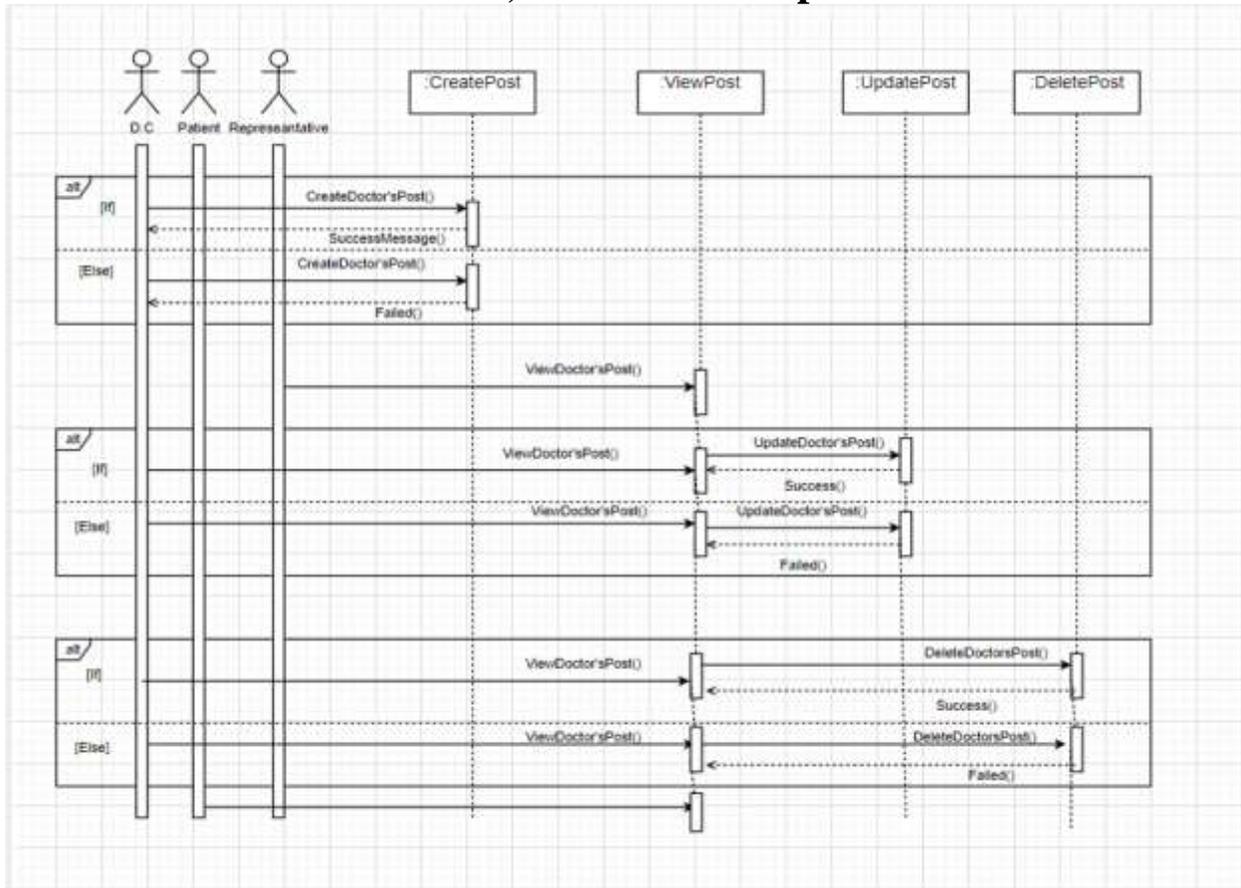
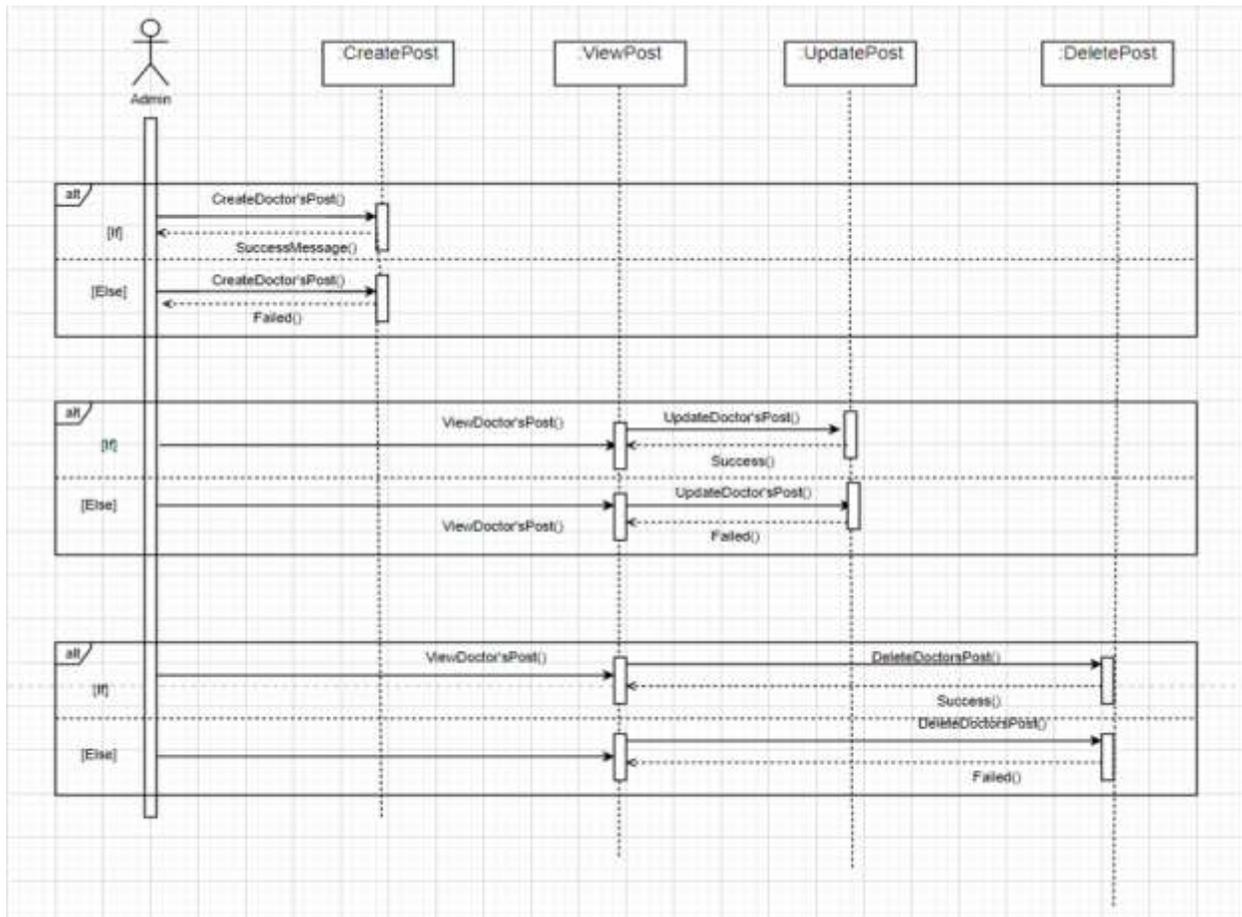
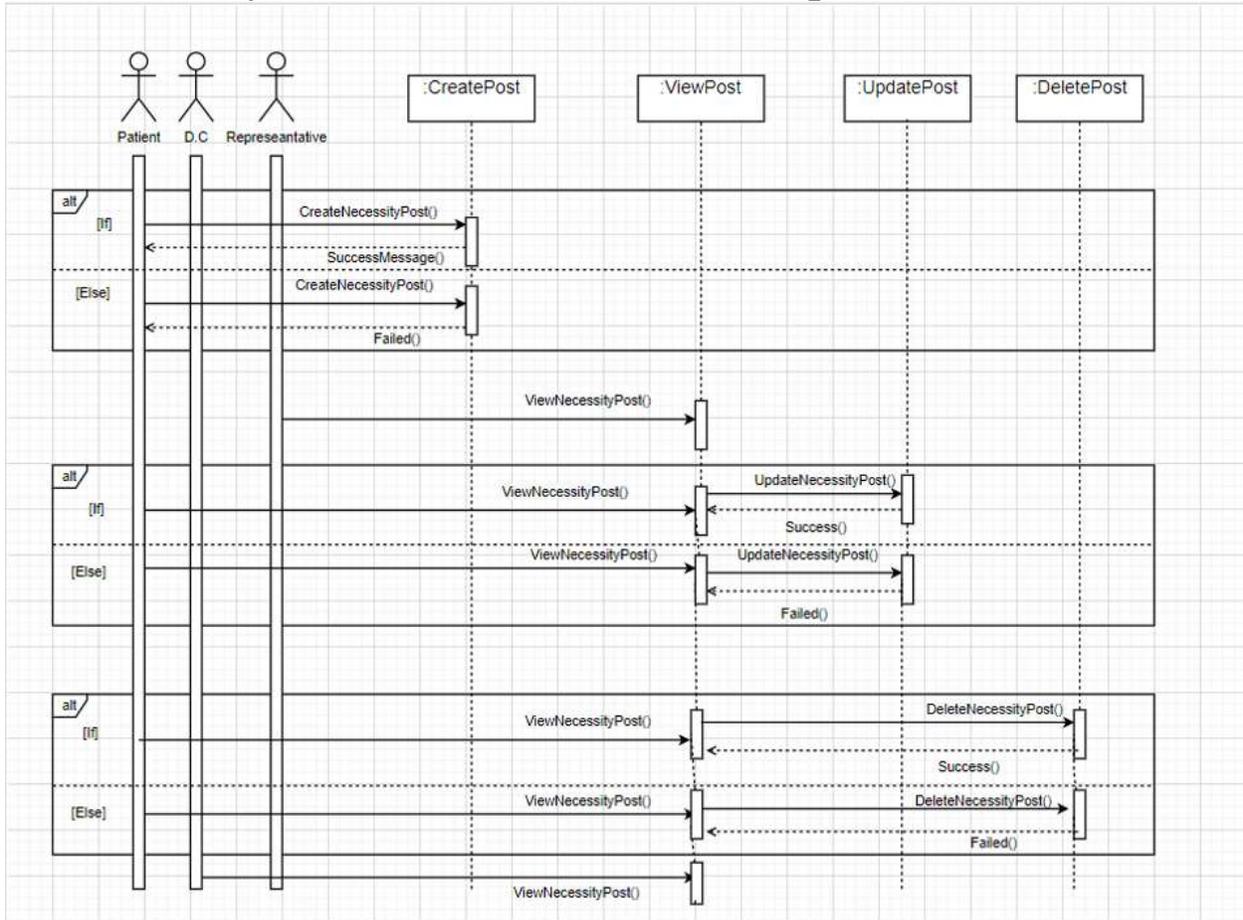


Figure 3.26: Doctor's Issue for D.C, Patient and Representative

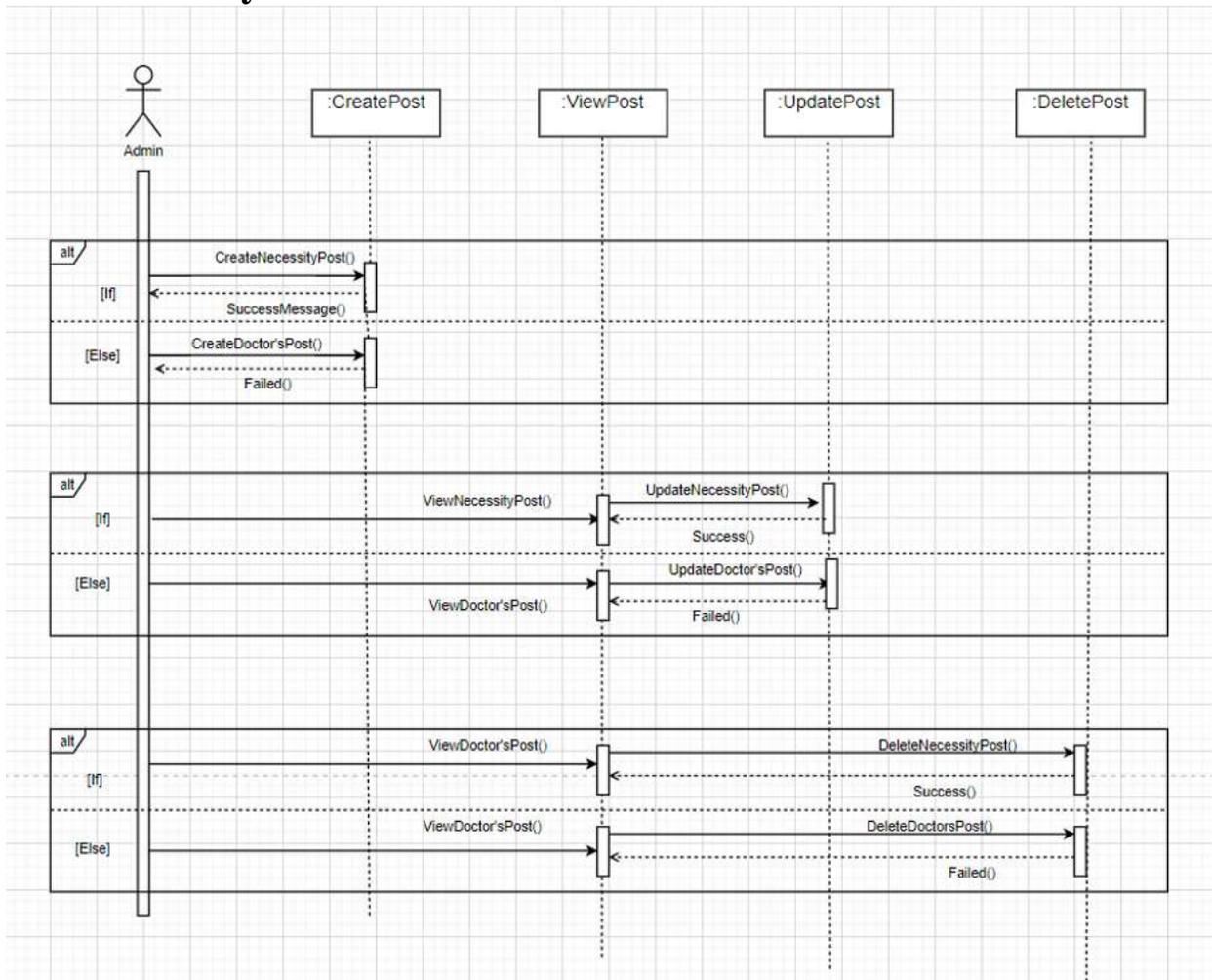
3.4.2 Doctor's Issue for Admin



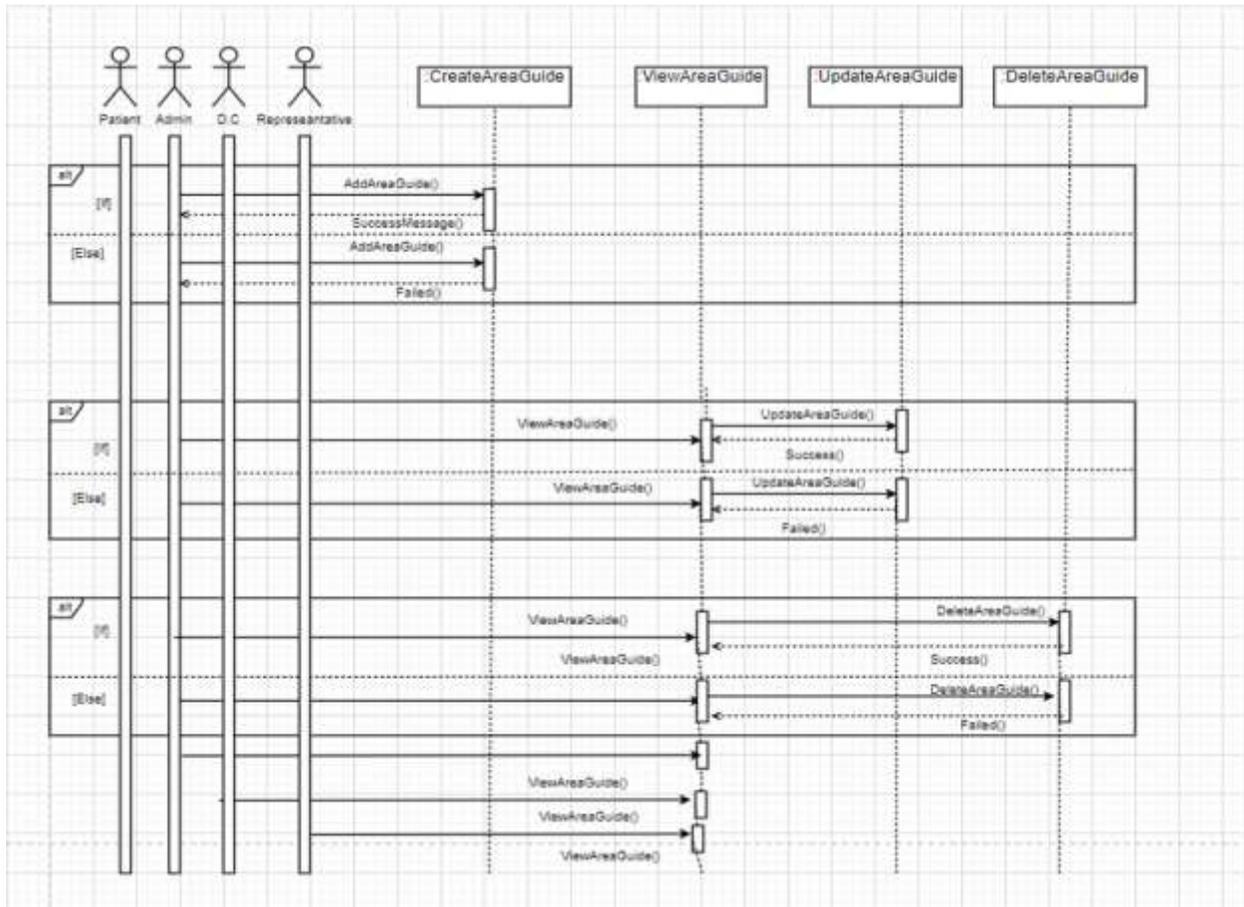
3.4.3 Necessity Issue for Patient, D.C and Representative



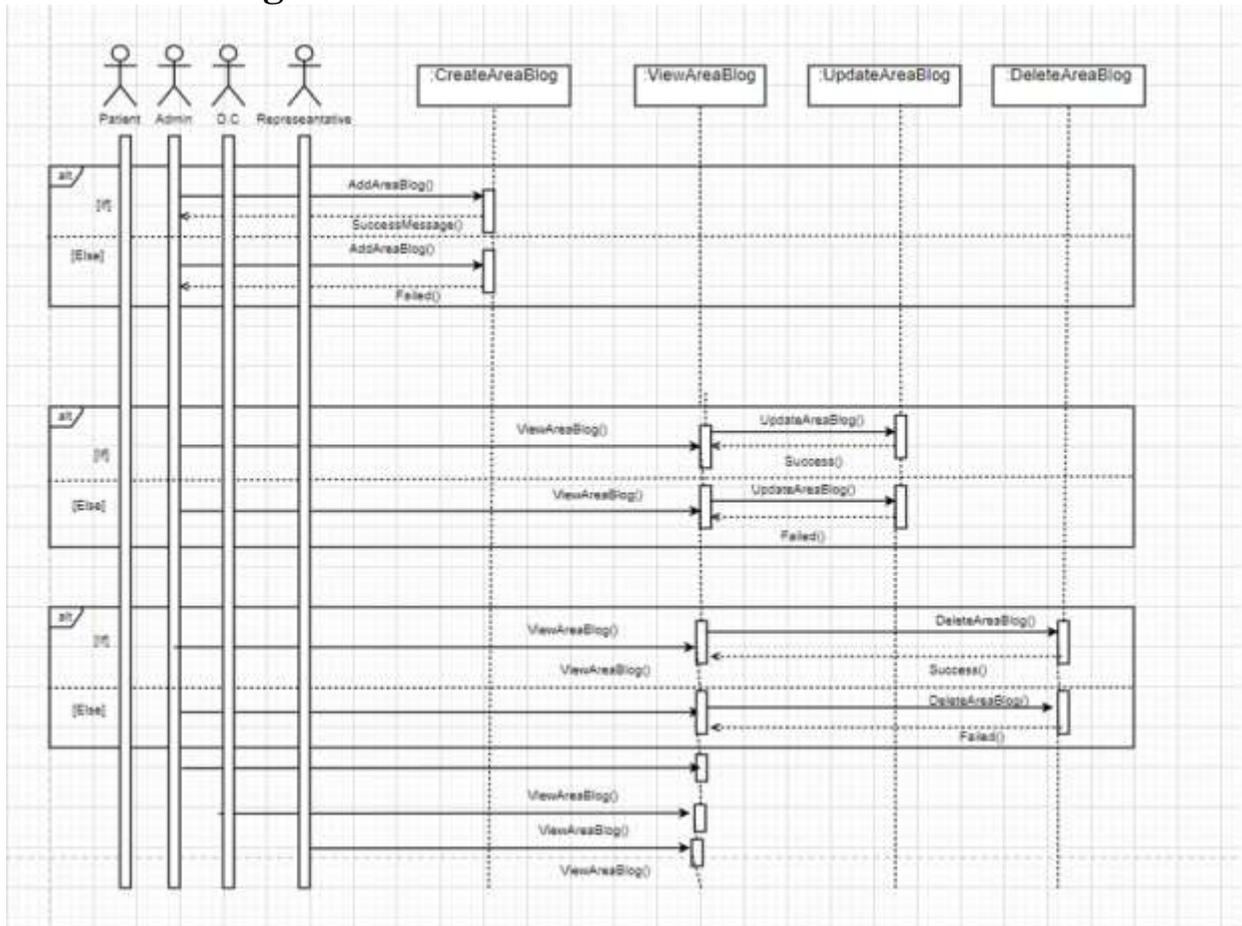
3.4.4 Necessity Issue for Admin



3.4.5 Area Guide Issue



3.4.6 Area Blog Issue



CHAPTER 4

SYSTEM DESIGN SPECIFICATION

4.1 Development Tools and Technology

4.1.1 User Interface Technology

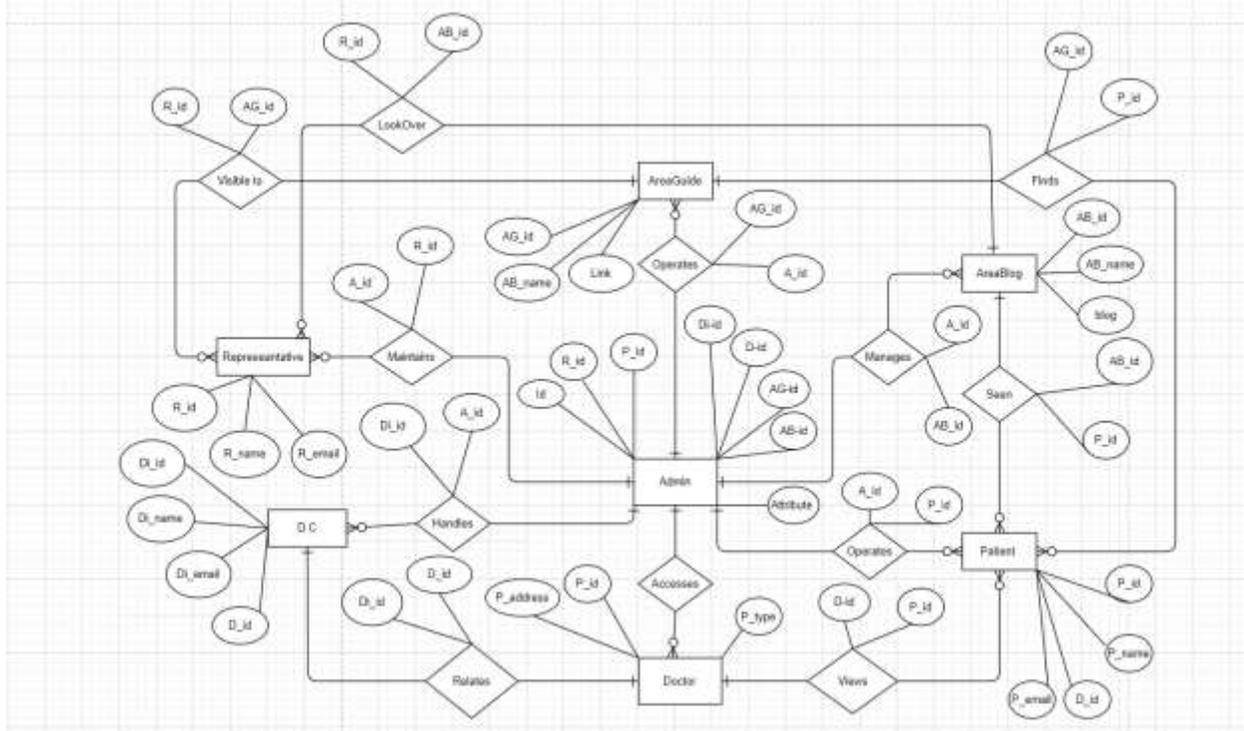
User Interface is the process to build interfaces in software or computerized devices, web developments, focusing on looks or style. In my project which technologies I have used to design interface are given below-

- i HTML
- ii CSS
- iii Bootstrap iv JavaScript
- iv PHP

4.1.2 Implementation Tools and Platform

- i Xampp
- ii Composer
- iii Git Bash
- iv Laravel

4.2 Entity Relationship Diagram



CHAPTER 5

SYSTEM TEST

5.1 Testing Features

Priority Level

1 = Low Priority

2 = Medium Priority

3 = High Priority

5.1.1 D.C(Diagnostic Center)'s features

Features	Priority	Description
Registration	3	System must validate the user
Login	3	Authenticate user should be logged in
Create Doctor Post	3	D.C(Diagnostic Center) can create property post with valid data
View Doctor Post	3	D.C(Diagnostic Center) can view his own doctor post
Update Doctor post	3	D.C(Diagnostic Center) can successfully update his property post
Delete Doctor Post	3	D.C(Diagnostic Center) can delete his own property post

View Necessity post	2	D.C(Diagnostic Center) can able to see the tenant necessity post
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5.1.2 Representative's features

Features	Priority	Description
View Area Guide	2	Representative users have the access to see the area guide
View Area Blog	2	Representative users have the access to see the area blog
FAQ	3	It is mandatory for the users to ask any question to the system admin by providing email address

5.1.3 Admin features

Features	Priority	Description
Registration	3	System must validate the user
Login	3	Authenticate user should be logged in
View Doctor Post	3	Admin can view doctor post

Update Doctor post	3	Admin can successfully update Doctor post
Delete Doctor Post	3	Admin can delete Doctor post
View Necessity Post	2	Admin can view necessity post
Update Necessity Post	3	Admin can update necessity post
Delete Necessity Post	3	Admin can delete necessity post
Add Area Guide	3	Admin can add area guide
View Area Guide	3	Admin can view area guide
Edit Area Guide	3	Admin can edit area guide
Delete Area Guide	3	Admin can delete area guide
Add Area Blog	3	Admin can add area blog
View Area Blog	3	Admin can view area blog
Edit Area Blog	3	Admin can edit area blog
Delete Area Blog	3	Admin can delete area blog
View FAQ	3	Admin can View FAQ

5.1.4 Patient features

Features	Priority	Description
Registration	3	System must validate the user

Login	3	Authenticate user should be logged in
Create Necessity Post	3	Patient can create necessity post with valid data
View Necessity Post	3	Patient can view his own necessity post
Update Necessity post	3	Patient can successfully update his necessity post
Delete necessity Post	3	Patient can delete his own necessity post
View Property post	3	Patient can able to see the property post
View Area Guide	2	Patient can see the area guide
View Area Blog	2	Patient can see the area blog

5.2 Requirements Traceability Matrix

Project Manager:			Business Analyst Lead:		
QA Lead:			Target Implementation Date:		
BR#	Requirement Description	Actor	Use Case Reference	Test Case Reference	Comments
BR-01	Registration	Admin, Patient, D.C(Diagnostic Center)	3.2.1	5.3.1	

BR-02	Login	Admin, Patient, D.C(Diagnostic Center)	3.2.2	5.3.2	
BR-03	Select user-role	Admin, Patient, D.C(Diagnostic Center)	3.2.3	5.3.3	
BR-04	Create doctor post	D.C(Diagnostic Center)	3.2.4	5.3.4	
BR-05	View doctor post	Admin, Patient, D.C(Diagnostic Center)	3.2.5	5.3.5	
BR-06	Update doctor post	D.C(Diagnostic Center), Admin	3.2.6	5.3.6	
BR-07	Delete doctor post	D.C(Diagnostic Center), Admin	3.2.7	5.3.7	
BR-08	Create necessity post	Patient	3.2.8	5.3.8	
BR-09	View necessity post	Admin, Patient, D.C(Diagnostic Center)	3.2.9	5.3.9	
BR-10	Update necessity post	Patient, Admin	3.2.10	5.3.10	
BR-11	Delete necessity post	Patient, Admin	3.2.11	5.3.11	
BR-12	Add area guide	Admin	3.2.12	5.3.12	
BR-13	View area guide	Patient, Admin, Representative	3.2.13	5.3.13	
BR-14	Edit area guide	Admin	3.2.14	5.3.14	
BR-15	Delete area guide	Admin	3.2.15	5.3.15	

BR-16	Add area blog	Admin	3.2.16	5.3.16	
BR-17	View Area blog	Admin, Patient, Representative	3.2.17	5.3.17	
BR-18	Update area blog	Admin	3.2.18	5.3.18	
BR-19	Delete area blog	Admin	3.2.19	5.3.19	
BR-20	FAQ	Admin, Representative	3.2.20	5.3.20	
BR-21	Logout	Admin, D.C(Diagnostic Center), Patient	3.2.21	5.3.21	

5.3 Black Box Testing with Test Cases

As we know, Black box testing is the process of test a software system without view the code. It just tests the application system using input valid and invalid. That's why I have used that.

5.3.1 Registration

Test Case: 5.3.1	Test Case Name: Registration
System: Doctor's Finder	Subsystem:
Designed by: Md. Faysal Rabbi	Design Date:
Executed by:	Execution Date:
Description: Unregistered users can register for the system access.	

Pre-condition:					
<ul style="list-style-type: none"> Email address must be unique Password must be 8 characters 					
Step	Email	Password	Response	Pass/Fail	Comment
1	Fahwazz@gmail.com	12345678	Registration Successful	Pass	
2	Fahwazz@gmail.com	12345678	Invalid email	Fail	
3	Fahwazz@gmail.com	1234	Password must contain 6 characters	Fail	
Post-condition: A new user account has been registered successfully					

5.3.2 Login

Test Case: 5.3.2	Test Case Name: Login
System: Doctor's Finder	Subsystem:
Designed by: Md. Faysal Rabbi	Design Date:
Executed by:	Execution Date:
Description: Registered users can Login for the system access.	

Pre-condition:					
<ul style="list-style-type: none"> Registration Successful 					
Step	Email	Password	Response	Pass/Fail	Comment
1	admin@gmail.com	12345678	Registration successful	Pass	
2	faysal@gmail.com	12345678	Invalid email	Fail	
3	Fahwazz@gmail.com	1234	Password must contain 6 characters	Fail	
Post-condition: A new user account has been registered successfully					

5.3.3 Select User-role

Test Case: 5.3.3	Test Case Name: Select User-role
System: Doctor's Finder	Subsystem:
Designed by: Md. Faysal Rabbi	Design Date:
Executed by:	Execution Date:
Description: Users can Select role for role.	
Pre-condition:	
<ul style="list-style-type: none"> N/A 	

Step	role	Response	Pass/Fail	Comment
1	Patient	Successful	Pass	
2	D.C(Diagnostic Center)	Successful	Pass	
3	Admin	Successful	Pass	
4	Null	Please select user role	Fail	
Post-condition: A user can select User-role				

5.3.4 Create Doctor Post

Test Case: 5.3.4		Test Case Name: Create Doctor Post		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate User can Create Property Post				
Pre-condition:				
<ul style="list-style-type: none"> Login to the system 				
Step	Form fill-up	Response	Pass/ Fail	Comment

1	Users fill-up the required form properly	Submitted	Pass	
2	Users fill-up the required form except one/more field	All field must be required	Fail	
Post-condition: Doctor post should be created Successfully				

5.3.5 View Doctor Post

Test Case: 5.3.5		Test Case Name: View Doctor Post		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate user can view the Property posts				
Pre-condition:				
<ul style="list-style-type: none"> Login to the system Doctor post must be created 				
Step	Action	Response	Pass/ Fail	Comment
1	Click on "View Doctor" Button	View Doctor	Pass	
Post-condition: Users can view Doctor post successfully				

5.3.6 Update Doctor Post

Test Case: 5.3.6		Test Case Name: Update Doctor Post		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate User can Update Doctor Post				
Pre-condition:				
<ul style="list-style-type: none"> • Login to the system • Doctor Post must be created 				
Step	Action	Response	Pass/ Fail	Comment
1	Update Some Info	Updated	Pass	
2	Update Nothing	Nothing Updated	Pass	
Post-condition: Doctor post should be updated successfully				

5.3.7 Delete Doctor Post

Test Case: 5.3.5		Test Case Name: Delete Doctor Post		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		

Executed by:		Execution Date:		
Description: Authenticate User can successfully delete Doctor Post				
Pre-condition:				
<ul style="list-style-type: none"> • Login to the system • Create doctor post 				
Step	Action	Response	Pass/ Fail	Comment
1	Click on “Delete Doctor” Button	Deleted	Pass	
Post-condition: Users can view Doctor post successfully				

5.3.8 Create Necessity Post

Test Case: 5.3.8	Test Case Name: Create Necessity Post
System: Doctor’s Finder	Subsystem:
Designed by: Md. Faysal Rabbi	Design Date:
Executed by:	Execution Date:
Description: Authenticate User can Create Necessity Post	
Pre-condition:	
<ul style="list-style-type: none"> • Login to the system 	

Step	Form fill-up	Response	Pass/ Fail	Comment
1	Users fill-up the required form doctor	Submitted	Pass	
2	Users fill-up the required form except one/more field	All field must be required	Fail	
Post-condition: Necessity post should be created Successfully				

5.3.9 View Necessity Post

Test Case: 5.3.9		Test Case Name: View Necessity Post		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate user can view the Necessity posts				
Pre-condition:				
<ul style="list-style-type: none"> • Login to the system • Necessity post must be created 				
Step	Action	Response	Pass/ Fail	Comment
1	Click on "View Necessity" Button	View necessity	Pass	

Post-condition: Users can view Necessity post successfully

5.3.10 Update Necessity Post

Test Case: 5.3.10		Test Case Name: Update Necessity Post		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate User can Update Necessity Post				
Pre-condition:				
<ul style="list-style-type: none"> • Login to the system • Doctor Post must be created 				
Step	Action	Response	Pass/ Fail	Comment
1	Update Some Info	Updated	Pass	
2	Update Nothing	Nothing Updated	Pass	
Post-condition: Necessity post should be updated successfully				

5.3.11 Delete Necessity Post

Test Case: 5.3.11		Test Case Name: Delete necessity Post		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate user can delete necessity post successfully.				
Pre-condition:				
<ul style="list-style-type: none"> • Login to the system • Create doctor post 				
Step	Action	Response	Pass/ Fail	Comment
1	Click on "Delete Doctor"	Deleted	Pass	
Post-condition: Users can delete Necessity post successfully				

5.3.12 Add Area Guide

Test Case: 5.3.12		Test Case Name: Add Area Guide		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Admin can Add Area guide successfully				

Pre-condition:				
<ul style="list-style-type: none"> Login to the system 				
Step	Form fill-up	Response	Pass/ Fail	Comment
1	Users fill-up the required form doctor	Submitted	Pass	
2	Users fill-up the required form except one/more field	All field must be required	Fail	
Post-condition: Area Guide should be created Successfully				

5.3.13 View Area Guide

Test Case: 5.3.13		Test Case Name: View Area Guide		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate user can view the Area Guide				
Pre-condition:				
<ul style="list-style-type: none"> Login to the system Area guide must be created 				
Step	Action	Response	Pass/ Fail	Comment

1	Click on “View Area guide” Button	View Area Guide	Pass	
Post-condition: Users can view Area guide successfully				

5.3.14 Update Area Guide

Test Case: 5.3.14		Test Case Name: Update Area Guide		
System: Doctor’s Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate User can Update Area Guide				
Pre-condition:				
<ul style="list-style-type: none"> • Login to the system • Area guide must be created 				
Step	Action	Response	Pass/ Fail	Comment
1	Update Some Info	Updated	Pass	
2	Update Nothing	Nothing Updated	Pass	
Post-condition: Area guide should be updated successfully				

5.3.15 Delete Area Guide

Test Case: 5.3.15		Test Case Name: Delete Area Guide		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate user can delete Area guide successfully.				
Pre-condition:				
<ul style="list-style-type: none"> • Login to the system • Create Area guide 				
Step	Action	Response	Pass/ Fail	Comment
1	Click on "Delete Area Guide" Button	Deleted	Pass	
Post-condition: Users can delete Area Guide successfully				

5.3.16 Add Area Blog

Test Case: 5.3.16		Test Case Name: Add Area Blog		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		

Executed by:		Execution Date:		
Description: Admin can Add Area blog successfully				
Pre-condition:				
<ul style="list-style-type: none"> Login to the system 				
Step	Form fill-up	Response	Pass/ Fail	Comment
1	Users fill-up the required form properly	Submitted	Pass	
2	Users fill-up the required form except one/more field	All field must be required	Fail	
Post-condition: Area blog should be created Successfully				

5.3.17 View Area Blog

Test Case: 5.3.17	Test Case Name: View Area Blog
System: Doctor's Finder	Subsystem:
Designed by: Md. Faysal Rabbi	Design Date:
Executed by:	Execution Date:
Description: Authenticate user can view the Area Blog	
Pre-condition:	
<ul style="list-style-type: none"> Login to the system Area blog must be created 	

Step	Action	Response	Pass/ Fail	Comment
1	Click on “View Area blog” Button	View Area Blog	Pass	
Post-condition: Users can view Area Blog successfully				

5.3.18 Edit Area Blog

Test Case: 5.3.18		Test Case Name: Update Area Blog		
System: Doctor’s Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate User can Update Area Blog				
Pre-condition:				
<ul style="list-style-type: none"> • Login to the system • Area blog must be created 				
Step	Action	Response	Pass/ Fail	Comment
1	Update Some Info	Updated	Pass	
2	Update Nothing	Nothing Updated	Pass	

Post-condition: Area blog should be updated successfully

5.3.19 Delete Area Blog

Test Case: 5.3.19		Test Case Name: Delete Area Blog		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Authenticate user can delete Area blog successfully.				
Pre-condition: <ul style="list-style-type: none">• Login to the system• Create Area blog				
Step	Action	Response	Pass/ Fail	Comment
1	Click on "Delete Area Blog" Button	Deleted	Pass	
Post-condition: Users can delete Area blog successfully				

5.3.20 FAQ

Test Case: 5.3.20		Test Case Name: FAQ		
System: Doctor's Finder		Subsystem:		
Designed by: Md. Faysal Rabbi		Design Date:		
Executed by:		Execution Date:		
Description: Users can Ask any question to the Admin				
Pre-condition:				
<ul style="list-style-type: none"> N/A 				
Step	Form fill-up	Response	Pass/ Fail	Comment
1	Users fill-up the required form doctor.	Submitted	Pass	
2	Users fill-up the required form except one/more field	All field must be required	Fail	
Post-condition: FAQ should be sent to Admin Successfully				

5.3.21 Logout

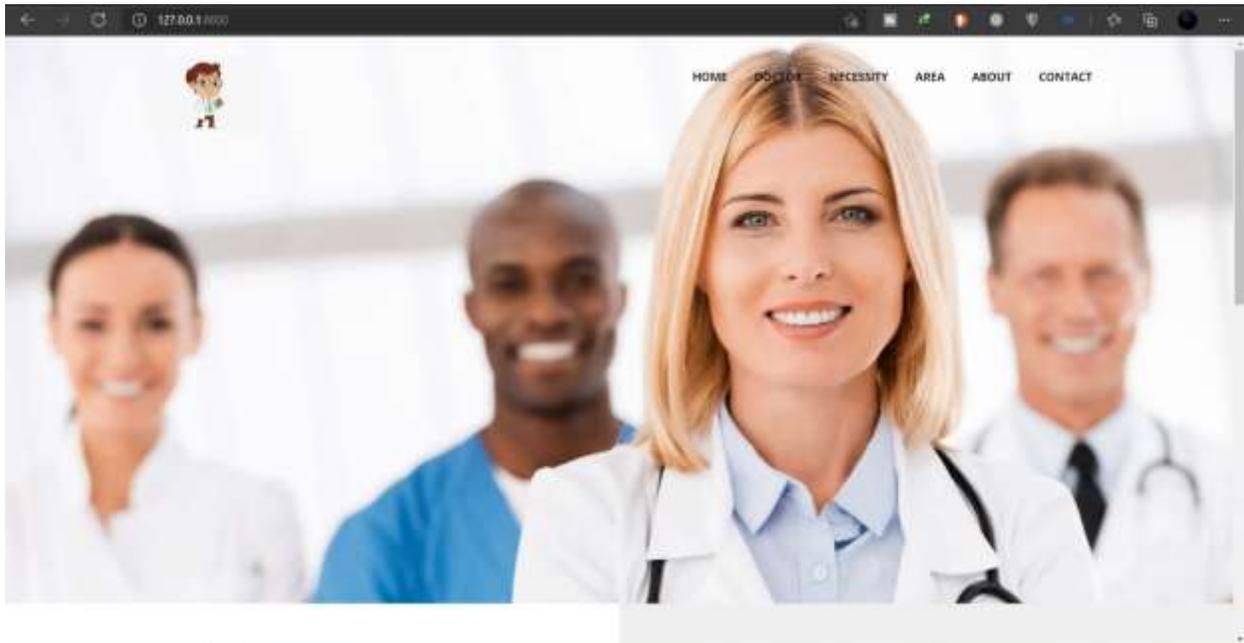
Test Case: 5.3.21	Test Case Name: Log Out
System: Doctor's Finder	Subsystem:
Designed by: Md. Faysal Rabbi	Design Date:
Executed by:	Execution Date:

Description: Registered members can log out from their dashboard and end session				
Pre-condition:				
<ul style="list-style-type: none"> The member must be logged in 				
Step	Action	Response	Pass/Fail	Comment
1	Member clicks on “Log Out” button	System will end the session and bring the user to the “Home” page	Pass	
Post-condition: Member logs out from their dashboard				

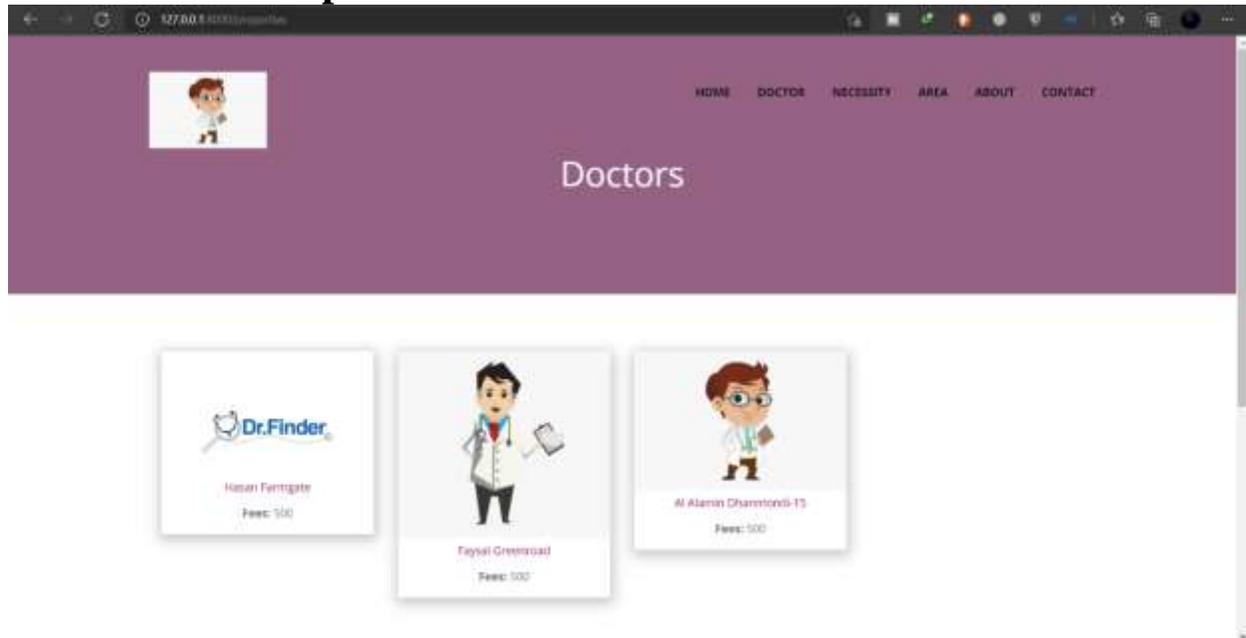
CHAPTER 6

USER MANUAL

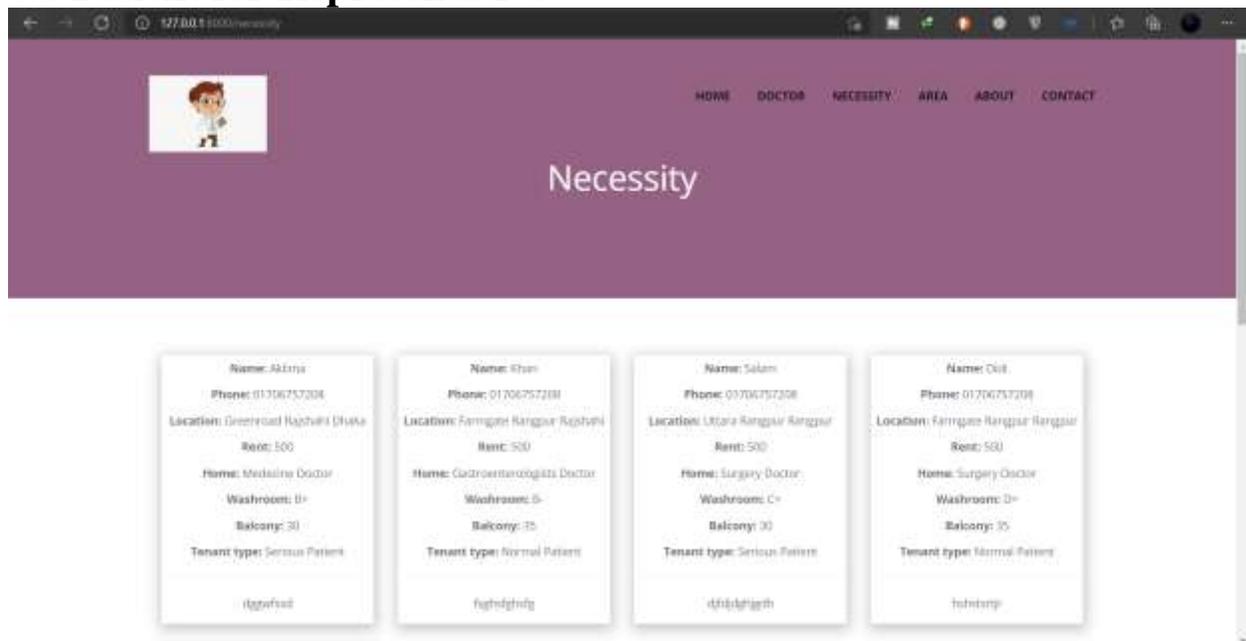
6.1 Home Page



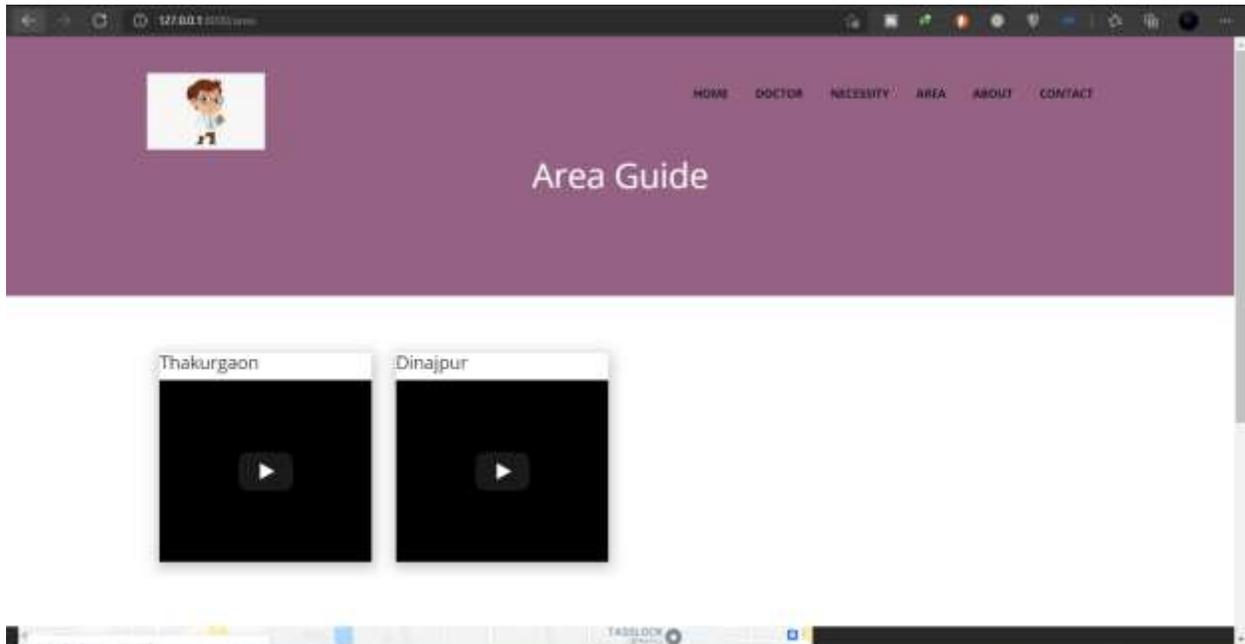
6.2 Doctor for Representative



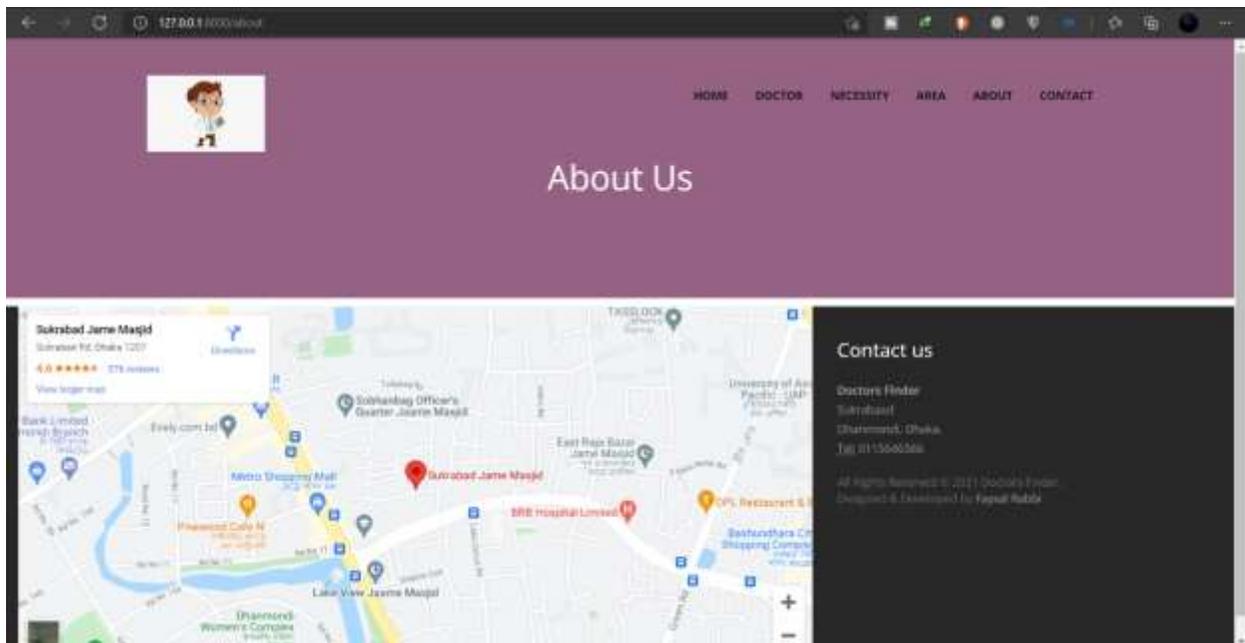
6.3 Patient for Representative



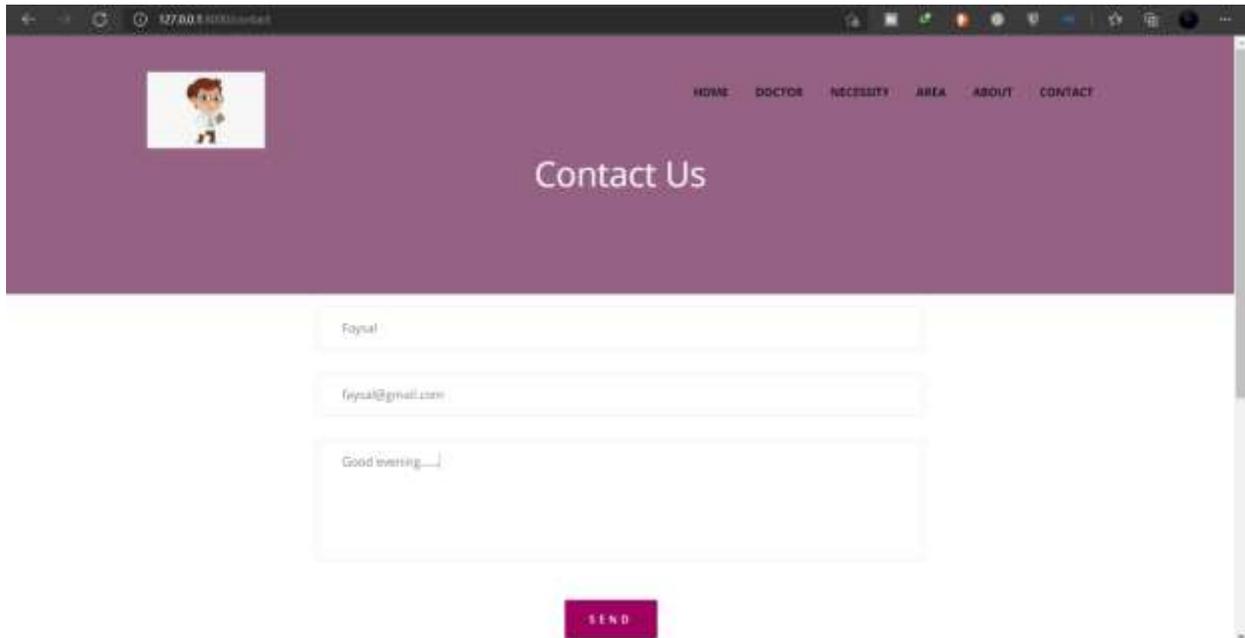
6.4 Area Guide



6.5 About Us

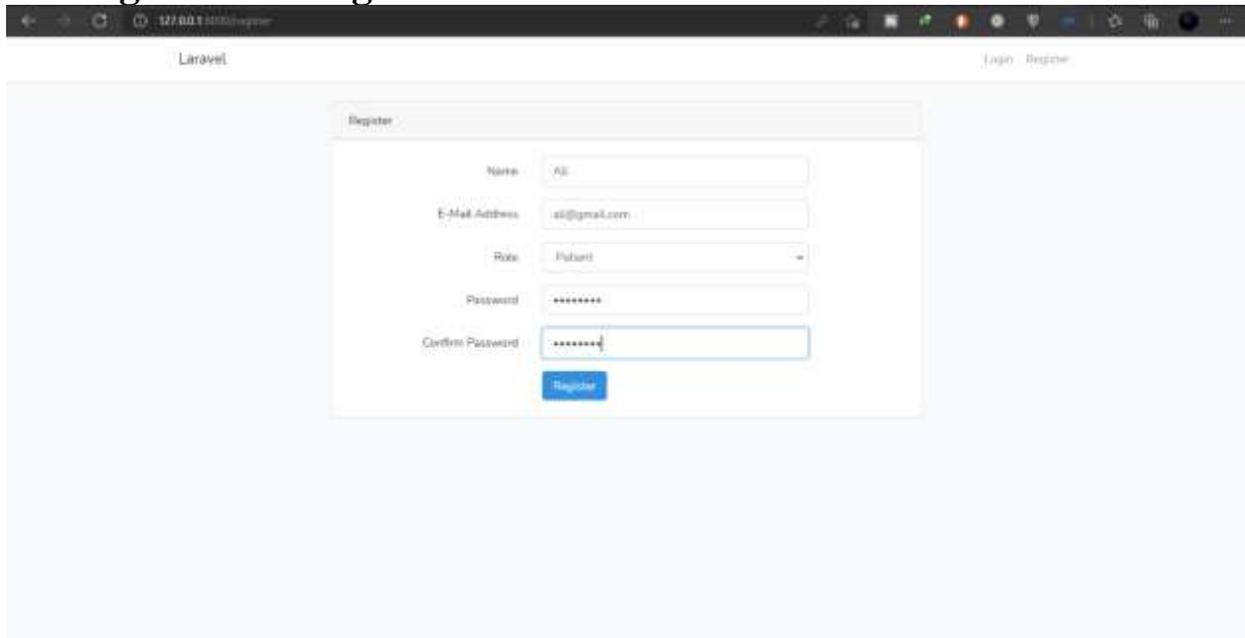


6.6 Contact Us



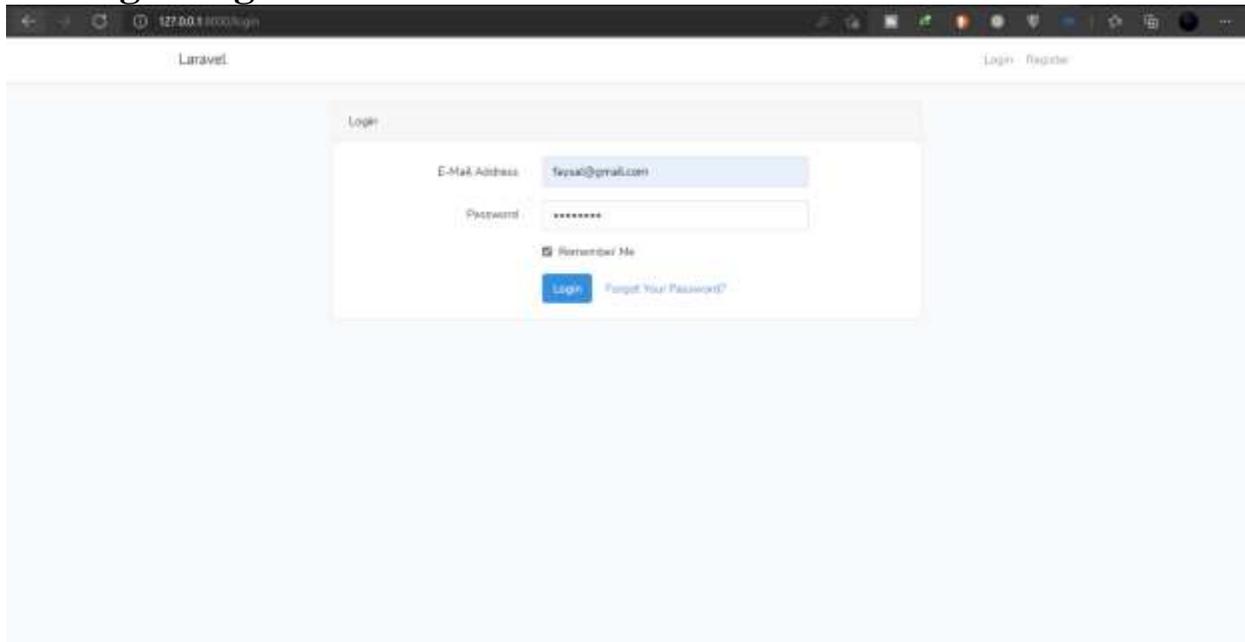
The screenshot shows a web browser window with a purple header. On the left is a cartoon doctor icon. On the right is a navigation menu with links: HOME, DOCTOR, NECESSITY, AREA, ABOUT, CONTACT. The main content area has a purple background with the text "Contact Us" in white. Below this is a white form with three input fields: "Foyul", "feyul@gmail.com", and "Good evening...". A purple "SEND" button is centered below the form.

6.7 Registration Page

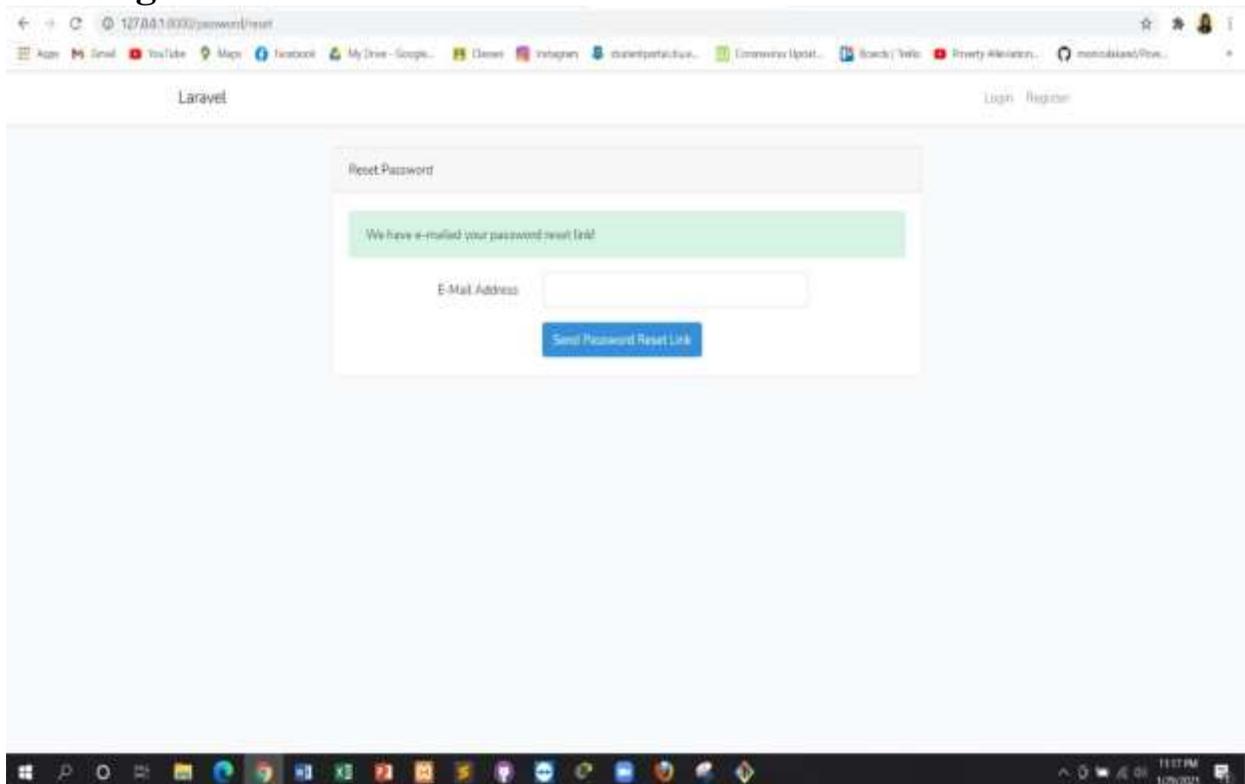


The screenshot shows a web browser window with a light blue background. At the top, it says "Laravel" on the left and "Login Register" on the right. The main content is a "Register" form with the following fields: "Name" (value: Al), "E-Mail Address" (value: al@gmail.com), "Role" (dropdown menu with "Patient" selected), "Password" (masked with asterisks), and "Confirm Password" (masked with asterisks). A blue "Register" button is at the bottom of the form.

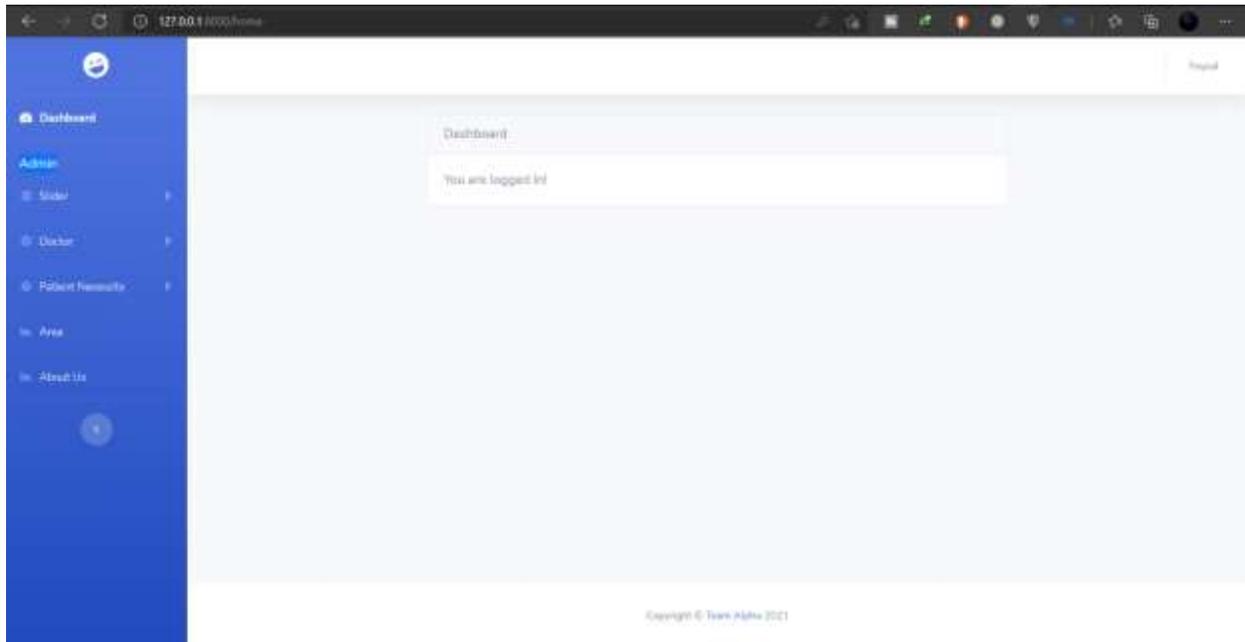
6.8 Login Page



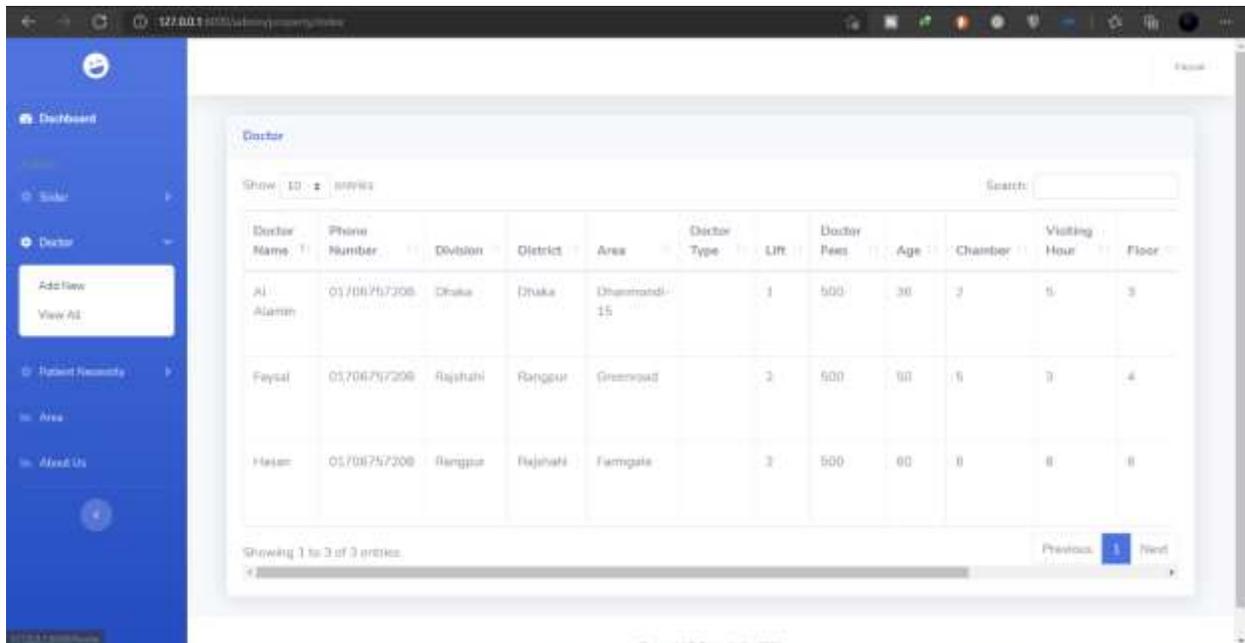
6.9 Forget Password



6.10 Admin Dashboard



6.11 Doctor view for Admin



6.12 Add Doctor for Admin

Doctor

Show 10 entries Search:

Doctor Name	Phone Number	Division	District	Area	Doctor Type	Lift	Doctor Fees	Age	Chamber	Visiting Hour	Floor
Al Alamin	01706757208	Dhaka	Dhaka	Dhanmondi-15		1	500	36	2	5	3
Ali	01706757208	Rajshahi	Rangpur	Dhanmondi-27		1	500	60	2	5	3
Faysal	01706757208	Rajshahi	Rangpur	Greenroad		2	500	50	5	3	4
Hasan	01706757208	Rangpur	Rajshahi	Farmgate		2	500	60	6	8	6
sad	01706757208	Dhaka	Rangpur	Greenroad		1	500	60	5	5	5

6.13 Update Doctor for Admin

Doctor

Show 10 entries Search:

Doctor Name	Phone Number	Division	District	Area	Doctor Type	Lift	Doctor Fees	Age	Chamber	Visiting Hour	Floor
Al Alamin	01706757208	Dhaka	Gaibandha	Dhanmondi		2	500	60	5	5	6
Ali	01706757208	Rajshahi	Rangpur	Dhanmondi-27		1	500	60	2	5	3
Faysal	01706757208	Rajshahi	Rangpur	Greenroad		2	500	50	5	3	4
Hasan	01706757208	Rangpur	Rajshahi	Farmgate		2	500	60	6	8	6
sad	01706757208	Dhaka	Rangpur	Greenroad		1	500	60	5	5	5

6.14 Delete Doctor for Admin

Doctor Deleted successfully

Doctor

Show 10 entries

Doctor Name	Phone Number	Division	District	Area	Doctor Type	Lift	Doctor Fees	Age	Chamber	Visiting Hour	Floor
All	01708757208	Rajshahi	Rangpur	Dharmandi-27		1	500	60	3	9	3
Faysal	01708757208	Rajshahi	Rangpur	Greenoast		3	500	50	5	7	4
Helen	01708757208	Rangpur	Rajshahi	Farmgate		3	500	60	6	8	6
asad	01708757208	Dhaka	Rangpur	Greenroad		1	500	60	5	8	5

Showing 1 to 4 of 4 entries

Previous 1 Next

6.15 Patient Necessity view for Admin

Patient Necessity

Add New

Show 10 entries

Patient Name	Phone	Division	District	Location	Patient Type	Fees	Doctor	Blood Group	Age	Comment
Aklma	01708757208	Dhaka	Rajshahi	Greenoast		500	Medicine Doctor	B+	30	dgghwfsd
Ali	01708757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C-	35	shghghj
Dul	01708757208	Rangpur	Rangpur	Farmgate		500	Surgery Doctor	D+	35	hghghgh
Khan	01708757208	Rajshahi	Rangpur	Farmgate		500	Gastroenterologist Doctor	B-	35	ghghghghgh
Satan	01708757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C+	35	ghghghghgh

Showing 1 to 5 of 5 entries

Previous 1 Next

6.16 Add Patient Necessity for Admin

The screenshot shows the 'Patient Necessity' management interface. A green notification banner at the top right indicates 'The Successfully added Patient'. The table below lists the following data:

Patient Name	Phone	Division	District	Location	Patient Type	Fees	Doctor	Blood Group	Age	Comment
Akoma	01706757208	Dhaka	Rajshahi	Greenbat		500	Medicine Doctor	B+	30	abgqfzft
Ajal	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C-	35	shgfhg
Dad	01706757208	Rangpur	Rangpur	Farmgate		500	Surgery Doctor	D+	35	hshshg
fat	01706757208	Dhaka	Rangpur	Bedda		500	Surgery Doctor	D+	22	dfhdh
Khan	01706757208	Rajshahi	Rangpur	Farmgate		500	Gastroenterologists Doctor	B-	35	hghghghg
Salam	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C+	30	hghghghg

Showing 1 to 6 of 6 entries

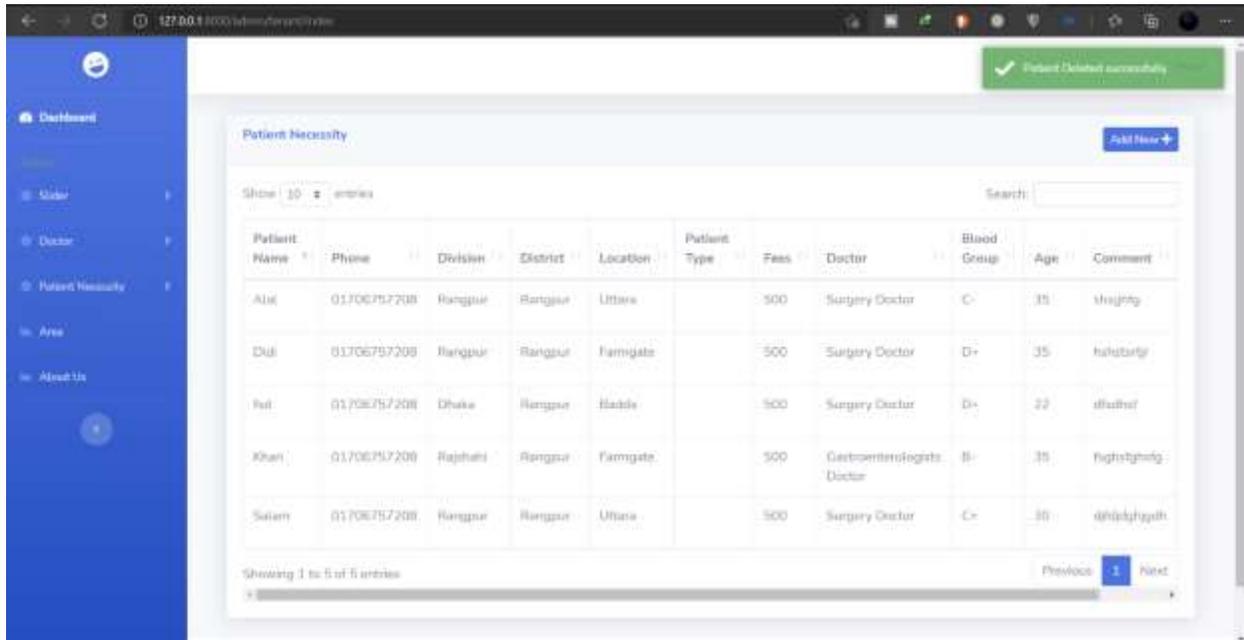
6.17 Update Patient Necessity for Admin

The screenshot shows the 'Patient Necessity' management interface after an update. A green notification banner at the top right indicates 'Patient updated successfully'. The table below lists the following data:

Patient Name	Phone	Division	District	Location	Patient Type	Fees	Doctor	Blood Group	Age	Comment
Akoma	01706757208	Khulna	Rajshahi	Barani		500	Surgery Doctor	A-	30	abgqfzftgk
Ajal	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C-	35	shgfhg
Dad	01706757208	Rangpur	Rangpur	Farmgate		500	Surgery Doctor	D+	35	hshshg
fat	01706757208	Dhaka	Rangpur	Bedda		500	Surgery Doctor	D+	22	dfhdh
Khan	01706757208	Rajshahi	Rangpur	Farmgate		500	Gastroenterologists Doctor	B-	35	hghghghg
Salam	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C+	30	hghghghg

Showing 1 to 6 of 6 entries

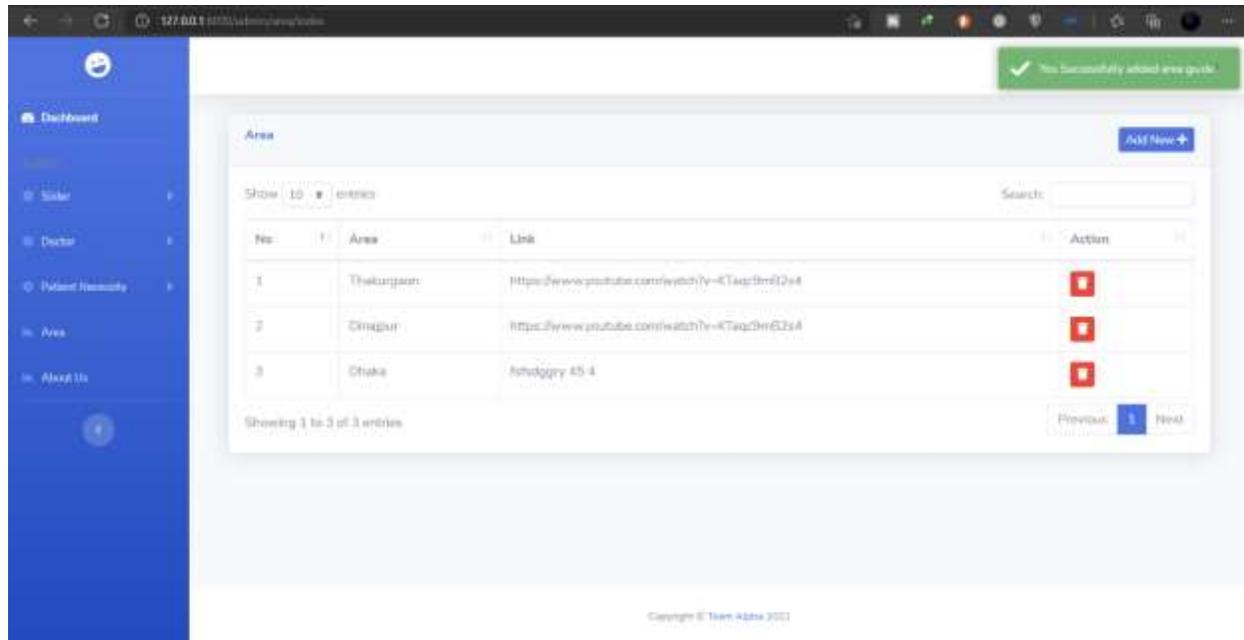
6.18 Delete Patient Necessity for Admin



The screenshot displays the 'Patient Necessity' management interface. A green notification banner at the top right indicates 'Patient Deleted successfully'. The main content area features a table with the following columns: Patient Name, Phone, Division, District, Location, Patient Type, Fees, Doctor, Blood Group, Age, and Comment. The table contains five entries. Below the table, there is a pagination control showing 'Showing 1 to 5 of 5 entries' and 'Previous' and 'Next' buttons.

Patient Name	Phone	Division	District	Location	Patient Type	Fees	Doctor	Blood Group	Age	Comment
Ahli	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C-	35	hshjhtg
Dul	01706757208	Rangpur	Rangpur	Famgate		500	Surgery Doctor	D+	35	hshjhtg
Red	01706757208	Dhaka	Rangpur	Hadde		500	Surgery Doctor	D+	22	dfhshf
Khan	01706757208	Rajshahi	Rangpur	Famgate		500	Gastroenterologists Doctor	B-	35	hghstghng
Salam	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C-	35	hshjhtg

6.19 Add Area Guide



The screenshot displays the 'Area' management interface. A green notification banner at the top right indicates 'Area Successfully added area guide'. The main content area features a table with the following columns: No., Area, Link, and Action. The table contains three entries. Below the table, there is a pagination control showing 'Showing 1 to 3 of 3 entries' and 'Previous' and 'Next' buttons.

No.	Area	Link	Action
1	Thakurgaon	https://www.youtube.com/watch?v=KTAqDm6Dz4	
2	Dinajpur	https://www.youtube.com/watch?v=KTAqDm6Dz4	
3	Dhaka	htshjhtg 45 4	

6.20 View Area Guide for Admin

The screenshot shows the 'Area' management interface. At the top right, there is a green notification banner that reads 'Area guide Deleted successfully'. Below this, the 'Area' section features a table with the following data:

No.	Area	Link	Action
1	Thakurgaon	https://www.youtube.com/watch?v=KTagQ9mD2s4	
2	Dinajpur	https://www.youtube.com/watch?v=KTagQ9mD2s4	
3	Dhaka	fbidggry 45 4	

Below the table, it indicates 'Showing 1 to 3 of 3 entries'. Navigation buttons for 'Previous' and 'Next' are visible. The left sidebar contains a menu with items like 'Dashboard', 'User', 'District', 'National Assembly', 'Area', and 'About Us'. The footer of the page reads 'Copyright © Team Admin 2021'.

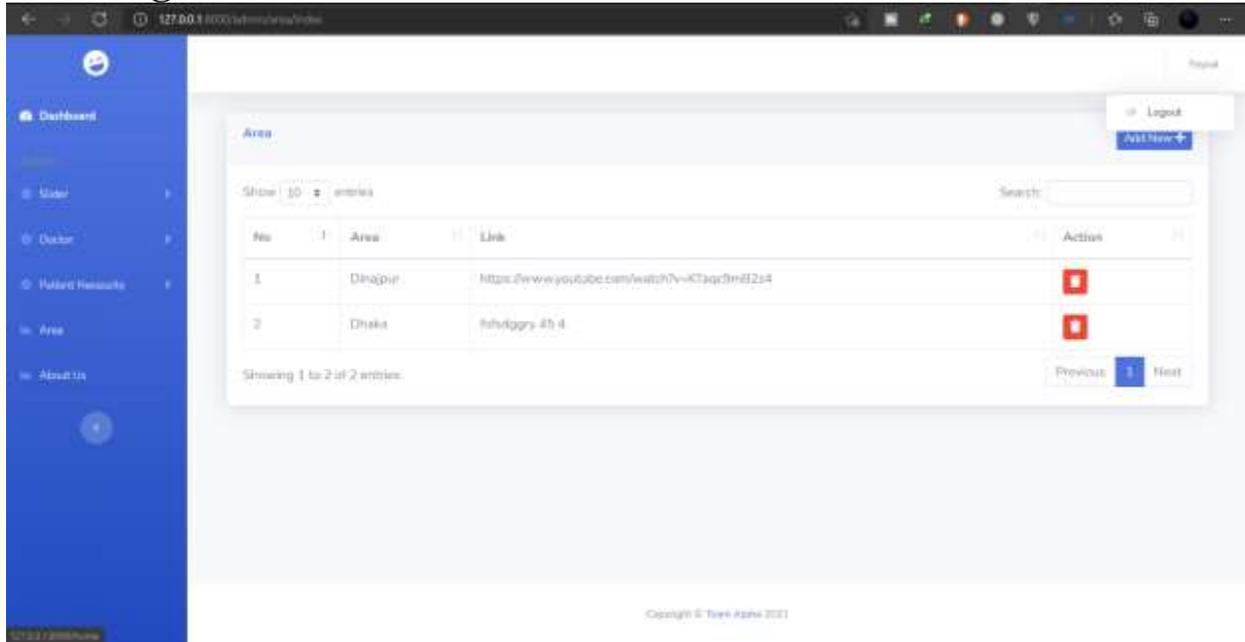
6.21 Delete Area guide

The screenshot shows the 'Area' management interface after one entry has been deleted. The table now contains two entries:

No.	Area	Link	Action
1	Dinajpur	https://www.youtube.com/watch?v=KTagQ9mD2s4	
2	Dhaka	fbidggry 45 4	

Below the table, it indicates 'Showing 1 to 2 of 2 entries'. Navigation buttons for 'Previous' and 'Next' are visible. The left sidebar and footer remain the same as in the previous screenshot.

6.22 Logout for Admin



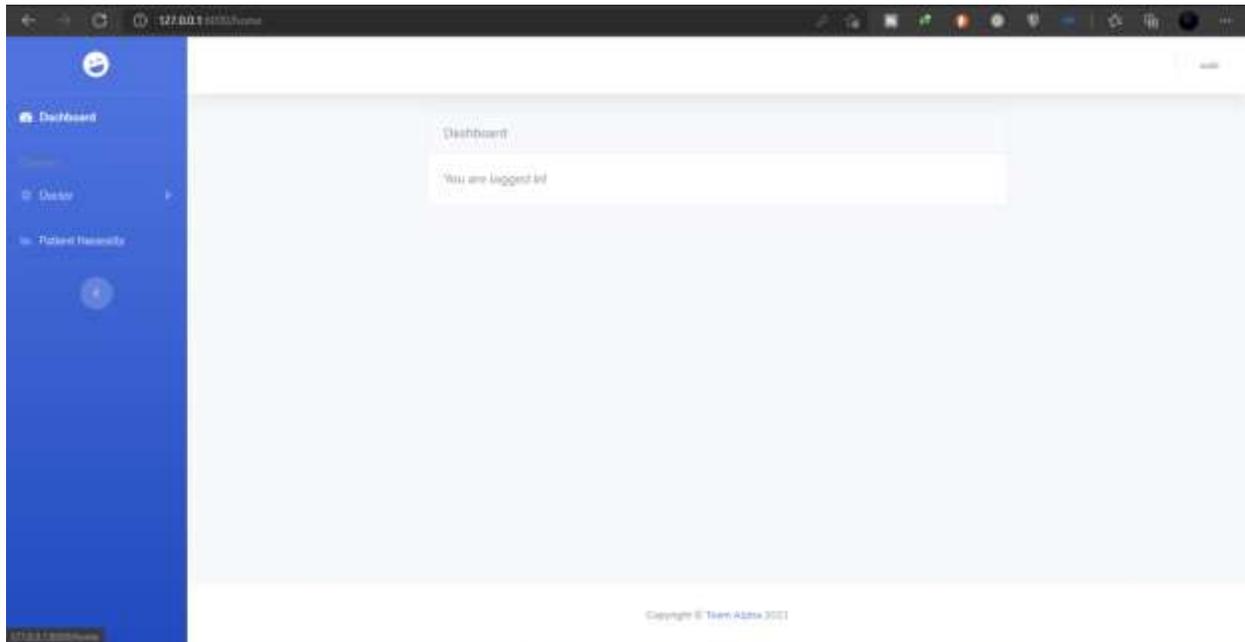
The screenshot displays an admin dashboard with a blue sidebar on the left containing navigation links: Dashboard, Users, Doctor, Patient Records, Area, and About Us. The main content area is titled 'Area' and features a table with the following data:

No	Area	Link	Action
1	Dhaka	https://www.youtube.com/watch?v=K7agDmJ2s4	[Red icon]
2	Dhaka	fshdggry 4b 4	[Red icon]

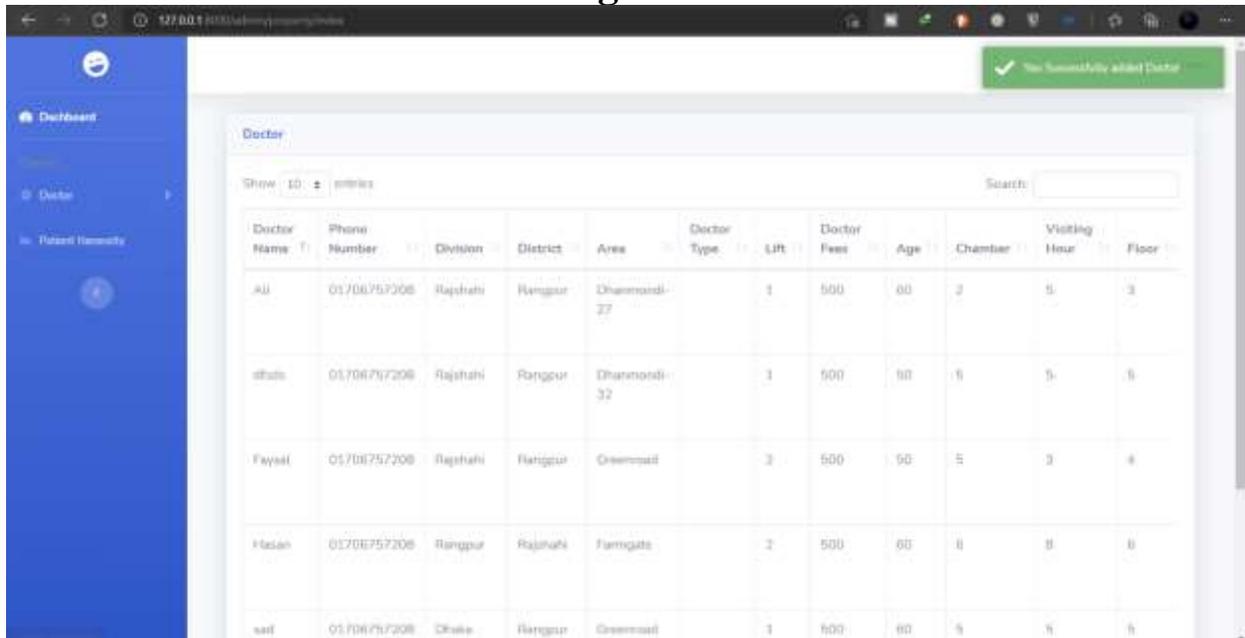
Below the table, it indicates 'Showing 1 to 2 of 2 entries.' and includes 'Previous' and 'Next' navigation buttons. In the top right corner, there is a 'Logout' button and a '+Add New+' button.

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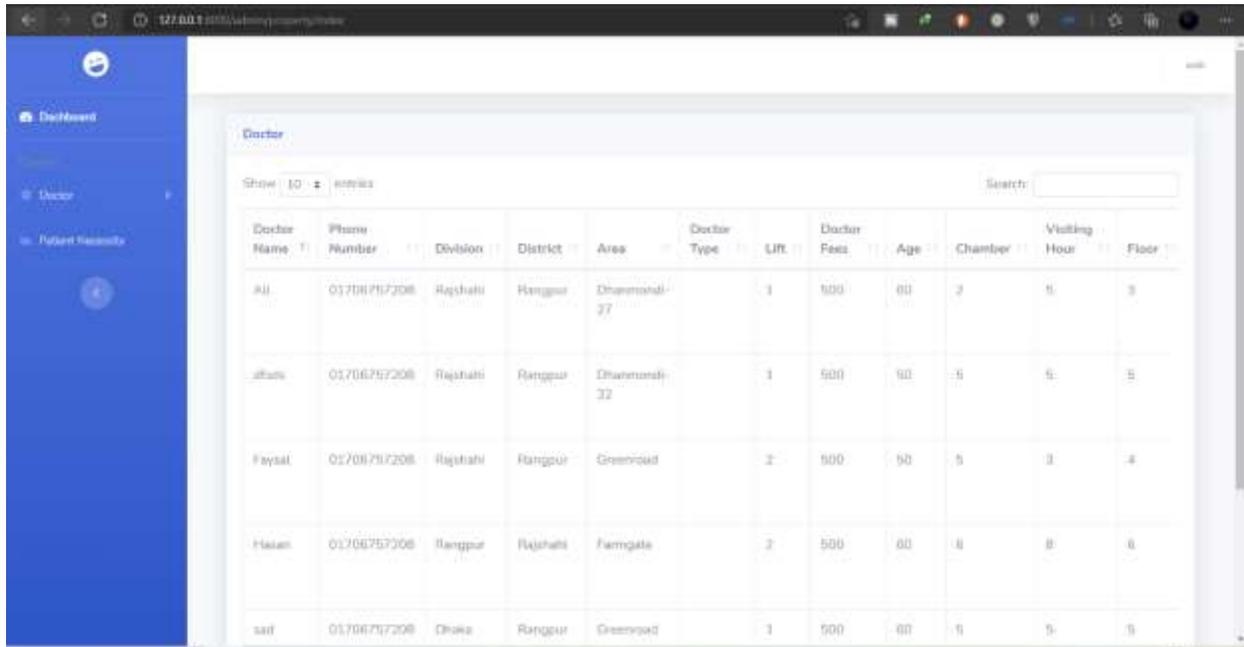
6.23 Doctor Dashboard



6.24 Create Doctor Post for Diagnostic Center



6.25 View Doctor Post for Diagnostic Center



Doctor Name	Phone Number	Division	District	Area	Doctor Type	Lift	Doctor Fees	Age	Chamber	Visiting Hour	Floor
All	01708717208	Rajshahi	Rangpur	Dharmahati-27		1	500	60	2	5	3
Jhoni	01706757208	Rajshahi	Rangpur	Dharmahati-22		1	500	60	5	5	5
Fayal	01708717208	Rajshahi	Rangpur	Greenwood		2	500	50	5	3	4
Hasan	01706757208	Rangpur	Rajshahi	Farmgate		2	500	60	6	8	6
saf	01706717208	Dhaka	Rangpur	Greenwood		1	500	60	5	5	5

6.26 Update Doctor Post for Diagnostic Center

Doctor updated successfully

Doctor Name	Phone Number	Division	District	Area	Doctor Type	Lift	Doctor Fees	Age	Chamber	Visiting Hour	Floor
Shah	01706757208	Rajshahi	Rangpur	Mohammadpur	1	500	60	4	4	4	4
Faisal	01706757208	Rajshahi	Rangpur	Greenoad	2	500	60	5	3	4	4
Hasan	01706757208	Rangpur	Rajshahi	Ferngate	3	500	60	6	6	6	6
sad	01706757208	Dhaka	Rangpur	Greenoad	1	500	60	5	5	5	5

Showing 1 to 4 of 4 entries

6.27 Delete Doctor Post for Diagnostic Center

Doctor Deleted successfully

Doctor Name	Phone Number	Division	District	Area	Doctor Type	Lift	Doctor Fees	Age	Chamber	Visiting Hour	Floor
Shah	01706757208	Rajshahi	Rangpur	Dhamandi-II	1	500	60	5	5	5	5
Faisal	01706757208	Rajshahi	Rangpur	Greenoad	2	500	60	5	3	4	4
Hasan	01706757208	Rangpur	Rajshahi	Ferngate	3	500	60	6	6	6	6
sad	01706757208	Dhaka	Rangpur	Greenoad	1	500	60	5	5	5	5

Showing 1 to 4 of 4 entries

6.28 View Patient Necessity Post for Diagnostic Center

The screenshot displays a web application interface for a diagnostic center. The main content area is titled 'Patient Necessity' and features a table with 5 entries. The table columns are: Patient Name, Phone, Division, District, Location, Patient Type, Fees, Doctor, Blood Group, Age, and Comment. The data rows are as follows:

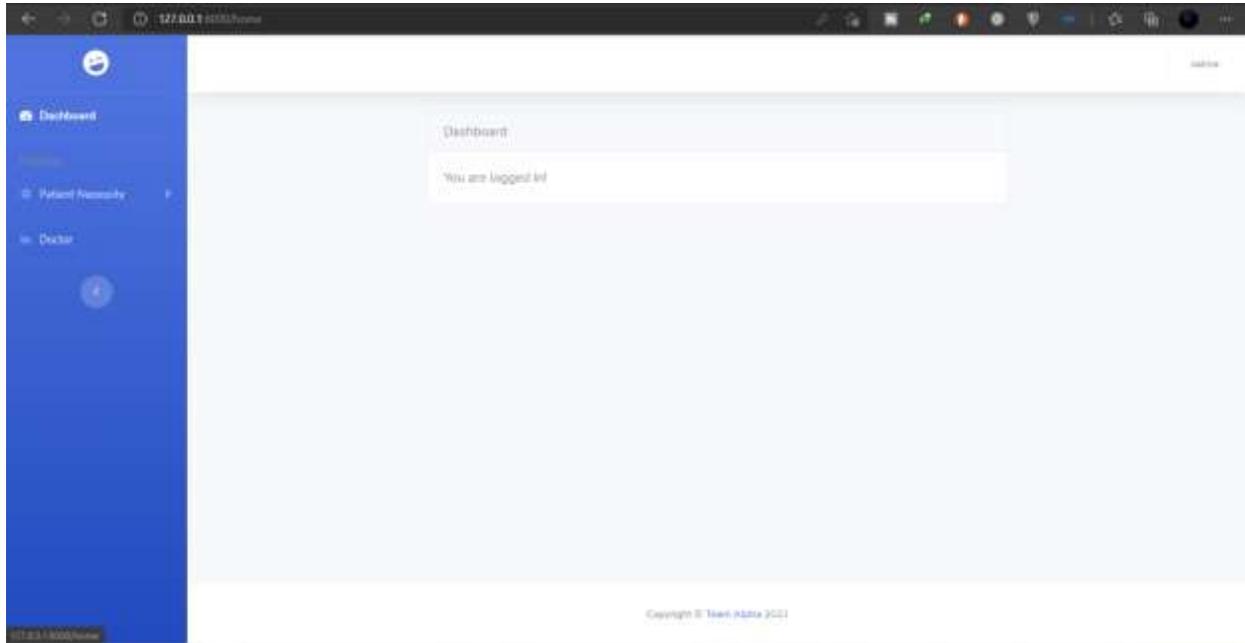
Patient Name	Phone	Division	District	Location	Patient Type	Fees	Doctor	Blood Group	Age	Comment
Ali	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C-	35	highly
Did	01706757208	Rangpur	Rangpur	Farmgate		500	Surgery Doctor	D+	35	highly
Did	01706757208	Dhaka	Rangpur	Baidia		500	Surgery Doctor	D+	32	highly
Khan	01706757208	Rajshahi	Rangpur	Farmgate		500	Gastroenterologists Doctor	B-	35	highly
Salam	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C+	38	highly

At the bottom of the table, it says 'Showing 1 to 5 of 5 entries'. There are 'Previous' and 'Next' navigation buttons. A 'Logout' button is located in the top right corner of the application area.

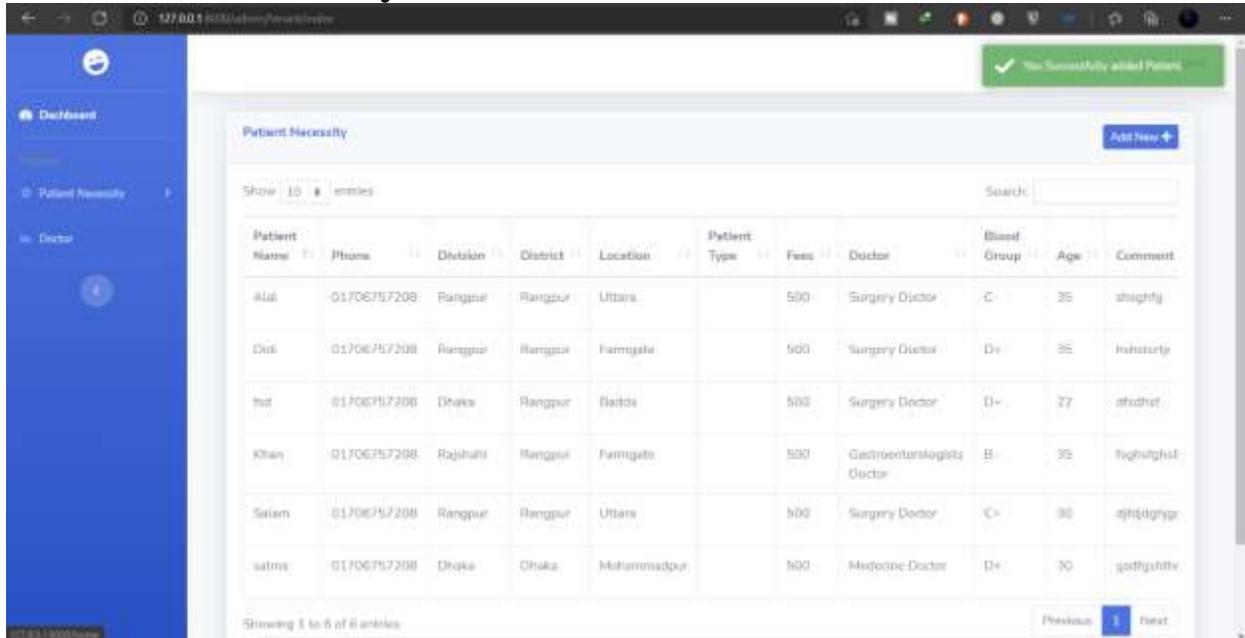
6.29 Logout for Diagnostic Center

This screenshot shows the same 'Patient Necessity' table as in the previous image. The data and layout are identical. However, the 'Logout' button in the top right corner is now active, indicating that the user has successfully logged out of the system.

6.30 Patient Dashboard



6.31 Create Necessity Post for Patient



6.32 View Necessity Post for Patient

127.0.0.1:8000/admin/doctor/index

Dashboard

Patient Necessity

Show 10 entries

Search:

Patient Name	Phone	Division	District	Location	Patient Type	Fees	Doctor	Blood Group	Age	Comment
Alal	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C-	35	shgtrjty
Dul	01706757208	Rangpur	Rangpur	Farmgate		500	Surgery Doctor	D+	35	hshetrty
Rid	01706757208	Dhaka	Rangpur	Radda		500	Surgery Doctor	D+	22	dhshtrf
Khan	01706757208	Rajshahi	Rangpur	Farmgate		500	Gastroenterologists Doctor	B-	35	hghtrghtr
Salam	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C-	30	qjtrghtrp
salma	01706757208	Dhaka	Dhaka	Mohammadpur		500	Medicine Doctor	D+	30	gshtrghtr

Showing 1 to 6 of 6 entries

Previous 1 Next

6.33 Update Necessity Post for Patient

127.0.0.1:8000/admin/doctor/index

Dashboard

Patient Necessity

Show 10 entries

Search:

Patient Name	Phone	Division	District	Location	Patient Type	Fees	Doctor	Blood Group	Age	Comment
Alal	01706757208	Rangpur	Dhaka	Tilabag		600	Surgery Doctor	C-	22	shgtrjty
Dul	01706757208	Rangpur	Rangpur	Farmgate		500	Surgery Doctor	D+	35	hshetrty
Rid	01706757208	Dhaka	Rangpur	Radda		500	Surgery Doctor	D+	22	dhshtrf
Khan	01706757208	Rajshahi	Rangpur	Farmgate		500	Gastroenterologists Doctor	B-	35	hghtrghtr
Salam	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C-	30	qjtrghtrp
salma	01706757208	Dhaka	Dhaka	Mohammadpur		500	Medicine Doctor	D+	30	gshtrghtr

Showing 1 to 6 of 6 entries

Previous 1 Next

6.34 Delete Necessity Post for Patient

The screenshot shows a web application interface with a blue sidebar on the left containing 'Dashboard', 'Patient Necessity', and 'Doctor'. The main content area is titled 'Patient Necessity' and features a table with 11 columns: Patient Name, Phone, Division, District, Location, Patient Type, Fees, Doctor, Blood Group, Age, and Comment. A green notification banner at the top right states 'Patient Deleted successfully'. The table contains five entries, and the first entry is highlighted. Below the table, it says 'Showing 1 to 5 of 5 entries' with 'Previous' and 'Next' navigation buttons.

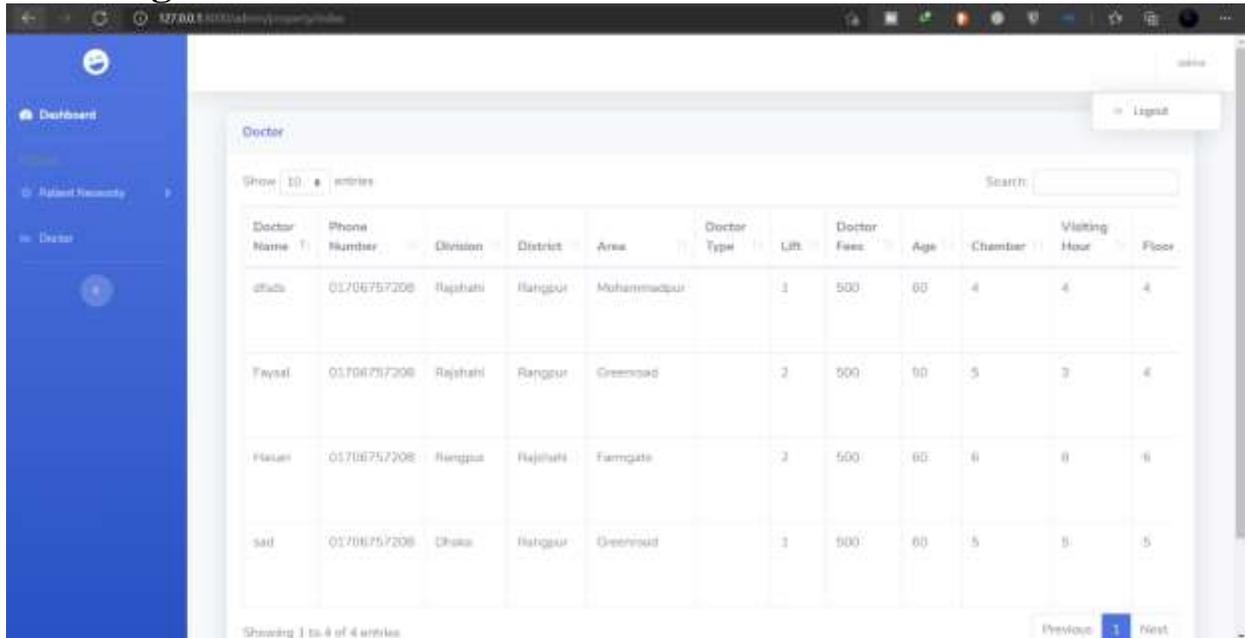
Patient Name	Phone	Division	District	Location	Patient Type	Fees	Doctor	Blood Group	Age	Comment
Das	01706757208	Rangpur	Rangpur	Farmgate		500	Surgery Doctor	O+	35	hahahh
hid	01706757208	Dhaka	Rangpur	Bada		500	Surgery Doctor	O+	22	ahhahh
Khan	01706757208	Rajshahi	Rangpur	Farmgate		500	Geriatricologists Doctor	B-	35	hghghgh
Salam	01706757208	Rangpur	Rangpur	Uttara		500	Surgery Doctor	C+	30	ghghghgh
satra	01706757208	Dhaka	Dhaka	Mohammadpur		500	Medicine Doctor	O+	30	ghghghgh

6.35 View Doctor Post for Patient

The screenshot shows a web application interface with a blue sidebar on the left containing 'Dashboard', 'Patient Necessity', and 'Doctor'. The main content area is titled 'Doctor' and features a table with 12 columns: Doctor Name, Phone Number, Division, District, Area, Doctor Type, Lift, Doctor Fees, Age, Chamber, Visiting Hour, and Floor. The table contains four entries, and the first entry is highlighted. Below the table, it says 'Showing 1 to 4 of 4 entries' with 'Previous' and 'Next' navigation buttons.

Doctor Name	Phone Number	Division	District	Area	Doctor Type	Lift	Doctor Fees	Age	Chamber	Visiting Hour	Floor
ahed	01706757208	Rajshahi	Rangpur	Mohammadpur		1	500	60	4	4	4
Faysal	01706757208	Rajshahi	Rangpur	Greenoad		3	500	60	5	3	4
Haser	01706757208	Rangpur	Rajshahi	Farmgate		3	500	60	6	6	6
sad	01706757208	Dhaka	Rangpur	Greenoad		1	500	60	5	5	5

6.36 Logout for Patient



The screenshot displays a web interface with a blue sidebar on the left containing navigation options: 'Dashboard', 'Recent Accounts', and 'Doctors'. The main content area is titled 'Doctor' and features a table with 12 columns. The table contains 4 rows of data. A search bar is located at the top right of the table area. A 'Logout' button is positioned in the top right corner of the page. At the bottom of the table, it indicates 'Showing 1 to 4 of 4 entries' and includes 'Previous', '1', and 'Next' navigation links.

Doctor Name	Phone Number	Division	District	Area	Doctor Type	Lift	Doctor Fees	Age	Chamber	Visiting Hour	Floor
drAs	01706757208	Rajshahi	Rangpur	Mohammadpur		1	500	60	4	4	4
Fayzal	01706757208	Rajshahi	Rangpur	Greenoad		2	500	50	5	3	4
Hauer	01706757208	Rangpur	Rajshahi	Farmgate		2	500	60	6	8	6
sad	01706757208	Dhaka	Rangpur	Greenoad		1	500	60	5	5	5

Chapter 7

Project summery

7.1. GitHub link: <https://github.com/MdFaysalRabbi/Doctor-Finder>

7.2. Limitations:

- ❖ This system has only few functionality and scope for international level
- ❖ This system can't show real time.

7.3. Obstacles & Achievements: Obstacles:

- Learning new technology and environment
- Limited time and budget

Achievements:

- Learnt new technology
- Successfully built a project

7.4. Future Scope:

- Real time Communication
- Notification
- Payment gateway

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