Classroom Technical Problem Solving

Submitted by

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APPROVAL OF PROJECT

DECLARATION

I hereby declare that I have done this project under the supervision of Mr. Md Fahad Bin Zamal, Assistant Professor , Department of Software Engineering, and Daffodil International University. I also declare that this project or any part of this is unique and has not been submitted elsewhere for the award of any degree.

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For their proper guidance,help, support and co-operation. Without whom this project work would not Be complete.

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ABSTRACT

This study explores the question of how students learn about sustainability in a classroom of technology education and the importance of problem-solving in this education. One of the new issues in technology education research is how to solve computer error projector problems or mentioned technical problems and the types of educational activities students employ in technology education classrooms. In parallel with our evolving understanding of the characteristics of superior technology education activities contained in recent curriculum documents on the concept of sustainable development. However, little information is yet available on what engineering students think about sustainability and the best way to learn about it. Sustainability is often described in technical education curriculum documents as a problem created to integrate activities with design projects that may occur on subjects such as the environment rather than lessons. It's especially interesting. This research is done in general and through the technique, and when the technique becomes a problem, we waste a lot of time thinking about it. If we say we send a problem, we can act quickly, it saves time, works faster, improves the quality of our reading, and this site has many opportunities Provide.

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Chapter 1

Introduction

1.1 Project Overview

This paper is done in general and through technology and if there is a technology problem then it is a waste of our time, considering that if there is any error or problem in our technology we go to that website and create an account then we will see the problem This will save us time, after sending the problem, the admin will see the technician and assign it to the crow technician and then hand over to him. If you collect and send to the technician, the technician will solve the problem and give feedback, then everyone in that feedback system will see that the work will be faster, our reading quality will increase, moreover, this website will give a lot of opportunities.

1.2 Project Purpose

Our computer engineering is a compulsory subject in the computer class for studying all computer-related subjects. If you encounter any of the following issues because everyone is so dependent on our computer: B. Power failure or water failure. Of course, if you want to back up and boot your system as soon as possible, it's often said that it's easy, though not possible with some UTs. It's no exaggeration to say that there are countless things that can cause problems with your computer, as all systems and their settings are different. Knowing where to start solving the problem of returning to work equipment may seem almost impossible. Your reading problem will be our website to solve this problem and it will give us a quick solution.

1.3 Stakeholders

According to project management, a project stakeholders “a person, group or organization will beinfluenced or affected by in a decision, activity and outcome of the project”.

I have an Admin and normal user as an stakeholder of his system. Below discussion of stakeholders.

1.3.1 Admin

Admin are the main authority of the system. Admin will maintain all the system. Admin will control all activities, all user access of the system. Admin will approve all the teacher verified account. Admin can also delete the Officer account. Admin will create a new Officer and User, new category section. Admin will upload the all functionality content which user can attend and admin will see the information update.

1.3.2 User

Those who wish to use this site will be the main users of this system. They can easily see the feedback activity at any time if there is a technical problem.

1.3.3 Officer

Those who wish to use this site will be the main users of this system. At any time if any technical computer light AC etc. is completely out of working capacity then the officer manages to collect it and give feedback to the technician. This feedback system can be seen by all.

CHAPTER 2

REQUIREMENT ENGINEERING

2.1 Functional Requirements

Functional requirement defines a function of a system which describe the services of the system that must be offer. Functional requirement describes the main component of the system. It is defined everything what a software or a system must do, the software's functions and features. It will describe particular behavior of function of the system when certain conditions are met. It is important to make them clear for the stakeholders.

Here is the functional requirements of my project:

2.1.1 Login/Logout

FR 1	Login / Logout
Description	Traveler must be log in their account when they want to book any Service, and vendor must be log in when they want to post or uploadsomething or view any details.
Stakeholders	Admin, User, officer

2.1.2 Registration

FR 2	Registration
Description	User must be register to log in to the system
Stakeholders	User, officer

2.1.3 Profile

FR 3	Profile
Description	Every user will have a profile. Their all their personal information will be save.
Stakeholders	Admin, user, officer

2.1.4 Modify Profile

FR 4	Modify Profile
Description	If there is any mistake while Creating account, it can be updated later if you want or if you need to change something later, it can be updated later. .
Stakeholders	User,Admin

2.1.5 Send Problem

FR 4	Send Problem
Description	If the user has a problem with the computer in his class after visiting this website or if there is a problem with the projector or any other problem after visiting this website. Give all the information then send the problem. .
Stakeholders	User

2.1.6 Check Problem

FR 5	Check Problem
Description	The problem will be sent to the officer, the officer will see it and send a technician for that problem
Stakeholders	user,admin,officer

2.1.7 Assign Technician

FR 7	Assign Technician
Description	The problem will be sent to the officer. The officer will see that. The technician will assign the problem
Stakeholders	Admin

2.1.8 Send Feedback

FR 7	Send Feedback
Description	If the technician and officer give any feedback, they will be able to see it.
Stakeholders	Officer, Technician

2.1.9 View Feedback

FR 6	View Feedback
Description	If the technician sees a problem with the equipment, he will give the responsibility to the officer then the officer will look into it and buy the equipment and send it to the technician. Technician: He can fix it by looking at the feedback.
Stakeholders	Admin,user,officer

2.1.10 Regular Monitoring

FR 8	Regular Monitoring
Description	Admin will be able to monitor the system after the admin will be able to see if there is any problem admin will be able to manage user and officer account
Stakeholders	Admin

2.1.11 Mange Technician account

FR 9	Mange Technician Account
Description	Admin will be able to manage technician account, add new technician, correct any information of technician if it is wrong, and delete it when technician is gone or not required
Stakeholders	Admin

2.1.12 Manage Officer

FR 9	Manage Officer
Description	Admin will be able to manage officer account, add new officer, correct any information of officer if it is wrong, and delete it when officer is gone or not required
Stakeholders	Admin

2.1.13 Manage Service

FR 9	Manage Service
Description	Admin will be able to manage service, add new service, if there is any mistake while adding admin, it can be updated later if you want or if you need to change something later, it can be updated later and if that service leaves or we don't need it then we can delete.
Stakeholders	Admin

2.1.14 Manage Category

FR 9	Manage Category
Description	Admin will be able to manage category, add new category, If there is any mistake while adding admin, it can be updated later if you want or if you need to change something later, it can be updated later and If that category leaves or we don't need it then we can delete.
Stakeholders	Admin

2.1.15 Setting Update

FR 9	Setting Update
Description	If there is any mistake while adding admin, it can be updated later if you want or if you need to change something later, it can be updated later.
Stakeholders	Admin

2.2 Non-Functional Requirement

Non-functional requirements define the quality and the performance attribute of the system. Non-functional requirement presents a standard set which is used to judge the specific operation of the system.

Here is the non-functional requirement of my project:

2.2.1 Performance

NFR 1	Performance
Description	When admin search to perform a particular job then the outcomes must be appearing.
Stakeholders	Admin

2.2.2 Capacity

NFR 2	Capacity
Description	System will be able to record up to 5000 data and the information of the system will be stored in database.
Stakeholders	Admin

2.2.3 Reliability

NFR 3	Reliability
Description	System should be able to fulfil all of its functional requirements. The system update is very necessary and regularly.
Stakeholders	Admin

2.2.4 Security

NFR 4	Security
Description	All data needs to protected from outside attack. Encryption Protection is one great solution. Authentication of every request should be ensured.
Stakeholders	Admin

2.2.5 Maintainability

NFR 5	Maintainability
Description	Admin can easily maintain the whole system, all the profile and can update a specific area's information
Stakeholders	Admin

2.2.6 Availability

NFR 6	Availability
Description	The system should be available 24 hours of a day (24x7)
Stakeholders	Admin

CHAPTER 3

SYSTEM ANALYSIS, DESIGN & SPECIFICATION

3.1 Development Model

As this is a progressive project, so I choose agile model. I have to develop my system with a flexible mind. So, the system can be updated without changing anything of the other portion of my system. To ensure the efficiency this system is tested in every step of development. For a good performance of the system, I need to test every part of the project. So, I choose agile model. This model helps me to test the system in part of development, find bugs, issue, and resolve them. Agile model helps to create system which can be updated easily, frequent testing, standard quality of product, and development in a short time.

Figure 3.1: Agile Model

3.2 Use Case Diagram

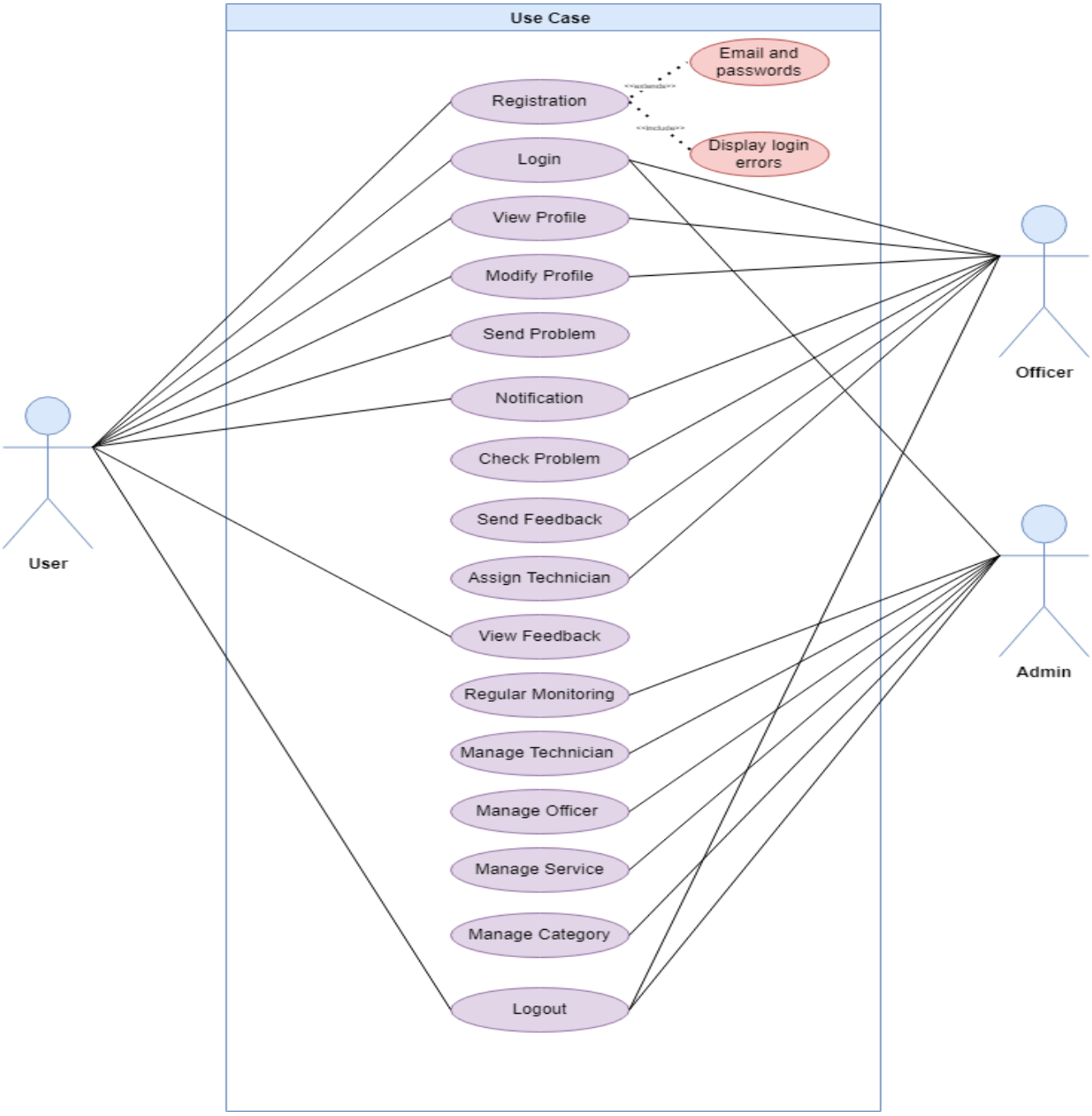


Figure 3.2: Use Case Diagram

3.3.1 Login

Use Case ID	UC-01		
Use Case Name	Login / Sign in		
Goal	Login to the system		
Preconditions	User must be register with their email and correct password		
Primary Actor **Secondary Actor**	Admin, User		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	To enter into the system	
	2	To access the required feature	
Post Condition	User can login any time		
Alternative Flow	Sign up		

3.3.2 Registration

Use Case ID	UC-02		
Use Case Name	Sign up		
Goal	To create a new user profile		
Preconditions	User must have an email account		
Primary Actor **Secondary Actor**	Admin , user		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	To enter into the system	
	2	To create a new user profile	
Post Condition	User can login any time		
Alternative Flow	N/A		

3.3.3 Send Problem

Use Case ID	UC-03		
Use Case Name	Send Problem		
Goal	Access into user send problem		
Preconditions	User login to the system or visit website		
Primary Actor **Secondary Actor**	User		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	Go to service page	
	2	send problem	
Post Condition	User can view all send problem.		
Alternative Flow	N/A		

3.3.4 Check Problem

Use Case ID	UC-04		
Use Case Name	Check Problem		
Goal	Access into user check all problem.		
Preconditions	User must login to the system		
Primary Actor **Secondary Actor**	User, Officer		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	go to profile page	
	2	Check problem	
Post Condition	User send problem then check the problem status.		
Alternative Flow	N/A		

3.3.5 Moodily Profile

Use Case ID	UC-05		
Use Case Name	Profile		
Goal	Access into user profile		
Preconditions	User must login to the system		
Primary Actor **Secondary Actor**	Admin, User		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	To login	
	2	To access user profile	
Post Condition	User can view and edit profile		
Alternative Flow	N/A		

3.3.6 Assign Technician

Use Case ID	UC-06		
Use Case Name	Assign Technician		
Goal	The problem will be sent to the officer, user. The officer will see that. The technician will assign the problem		
Preconditions	Admin must login to the system		
Primary Actor **Secondary Actor**	Admin		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	Go to send problem	
	2	Assign Technician	
Post Condition	The problem will be sent to the officer, user. The officer will see that. The technician will assign the problem		
Alternative Flow	N/A		

3.3.7 Send Feedback

Use Case ID	UC-06		
Use Case Name	Send Feedback		
Goal	If the technician and officer give any feedback, they will be able to see it.		
Preconditions	Admin must login to the system		
Primary Actor Secondary Actor	Officer , Technician		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	Go to send problem page	
	2	feedback	
Post Condition	Problem note and send feedback officer or technician.		
Alternative Flow	N/A		

3.3.8 View Feedback

Use Case ID	UC-06		
Use Case Name	View Feedback		
Goal	If the technician sees a problem with the equipment, he will give the responsibility to the officer then the officer will look into it and buy the equipment and send it to the technician. Technician: He can fix it by looking at the feedback.		
Preconditions	Admin must login to the system		
Primary Actor Secondary Actor	User, admin, officer		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	Go to send feedback	
	2	show feedback for problem	
Post Condition	User, admin, officer view feedback for specific problem.		
Alternative Flow	N/A		

3.3.9 Regular Monitoring

Use Case ID	UC-06		
Use Case Name	Regular Monitoring		
Goal	Admin will be able to monitor the system after the admin will be able to see if there is any problem admin will be able to manage user and officer account.		
Preconditions	Admin must login to the system		
Primary Actor **Secondary Actor**	Admin		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	Go to admin dashboard	
	2	Monitoring all system	
Post Condition	Admin can monitor for all system users.		
Alternative Flow	N/A		

3.3.10 Manage Technical account

Use Case ID	UC-06		
Use Case Name	Manage Technical account		
Goal	Admin will be able to manage technician account, add new technician, correct any information of technician if it is wrong, and delete it when technician is gone or not required		
Preconditions	Admin must login to the system		
Primary Actor **Secondary Actor**	Admin		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	Go to technician account	
	2	Manage account	
Post Condition	Admin can technician account delete or update any time or any mistake solve this teacher account.		
Alternative Flow	N/A		

3.3.11 Manage Officer Account

Use Case ID	UC-07		
Use Case Name	Manage Officer account		
Goal	Admin will be able to manage officer account, add new officer, correct any information of officer if it is wrong, and delete it when officer is gone or not required		
Preconditions	Admin must login to the system		
Primary Actor **Secondary Actor**	Admin		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	Go to officer account	
	2	Manage account	
Post Condition	Admin can technician account delete or update any time or any mistake solve this teacher account.		
Alternative Flow	N/A		

3.3.12 Manage Category

Use Case ID	UC-08		
Use Case Name	Manage Category		
Goal	Admin will be able to manage category, add new category, If there is any mistake while adding admin, it can be updated later if you want or if you need to change something later, it can be updated later and If that category leaves or we don't need it then we can delete.		
Preconditions	User must login to the system		
Primary Actor **Secondary Actor**	Admin		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	Go all category page	
	2	manage category	
Post Condition	Admin can create, edit, delete category for category list.		
Alternative Flow	N/A		

3.3.13 Manage Service

Use Case ID	UC-09		
Use Case Name	Manage Service		
Goal	Admin will be able to manage service, add new service, if there is any mistake while adding admin, it can be updated later if you want or if you need to change something later, it can be updated later and if that service leaves or we don't need it then we can delete.		
Preconditions	User must login to the system		
Primary Actor **Secondary Actor**	User		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	Go all service page	
	2	manage service	
Post Condition	Admin can create, edit, delete category for category list.		
Alternative Flow	N/A		

3.3.14 Update Setting

4

Use Case ID	UC-06		
Use Case Name	Update Setting		
Goal	Admin can setting update any time or any mistake solve this setting.		
Preconditions	Admin must login to the system		
Primary Actor **Secondary Actor**	Admin		
Trigger	Button		
Description / Main success scenario	Step	Action	
	1	Go setting page	
	2	update setting	
Post Condition	Admin can setting update any time or any mistake solve this setting.		
Alternative Flow	N/A		

3.4 Activity Diagram

3.4.1 Registration

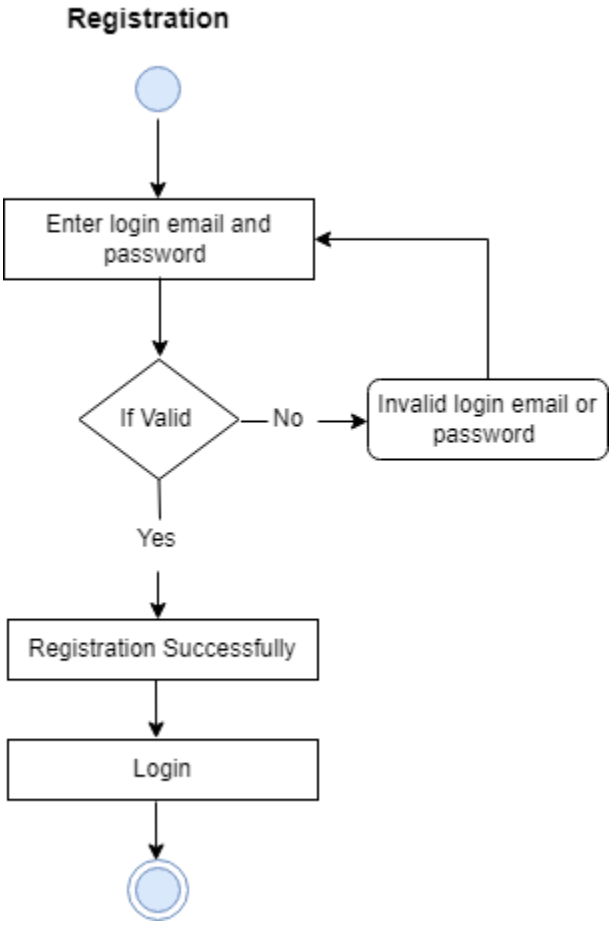


Figure- 3.3: Activity Diagram (Registration)

3.4.2 Login

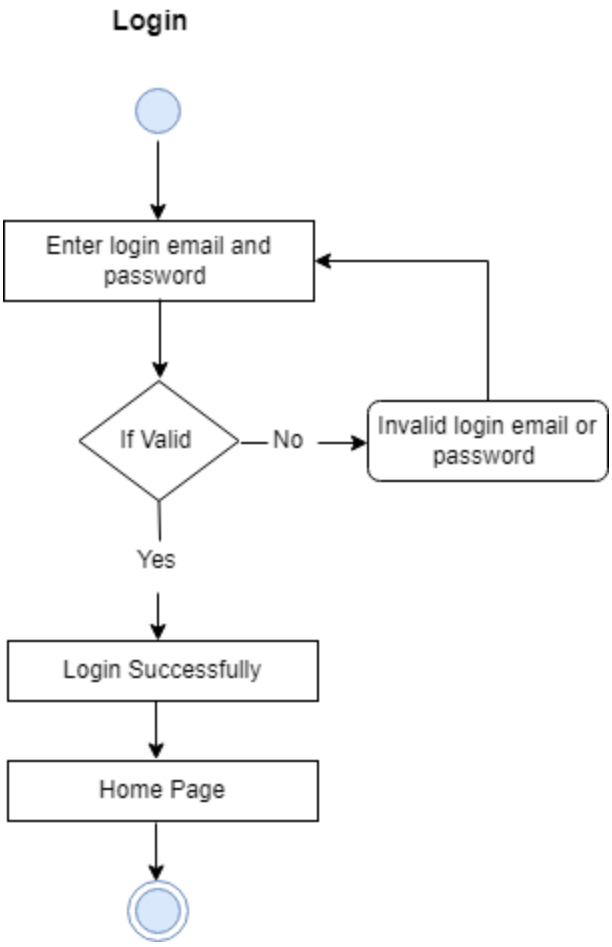


Figure- 3.4: Activity Diagram (Login)

3.4.3 View Profile

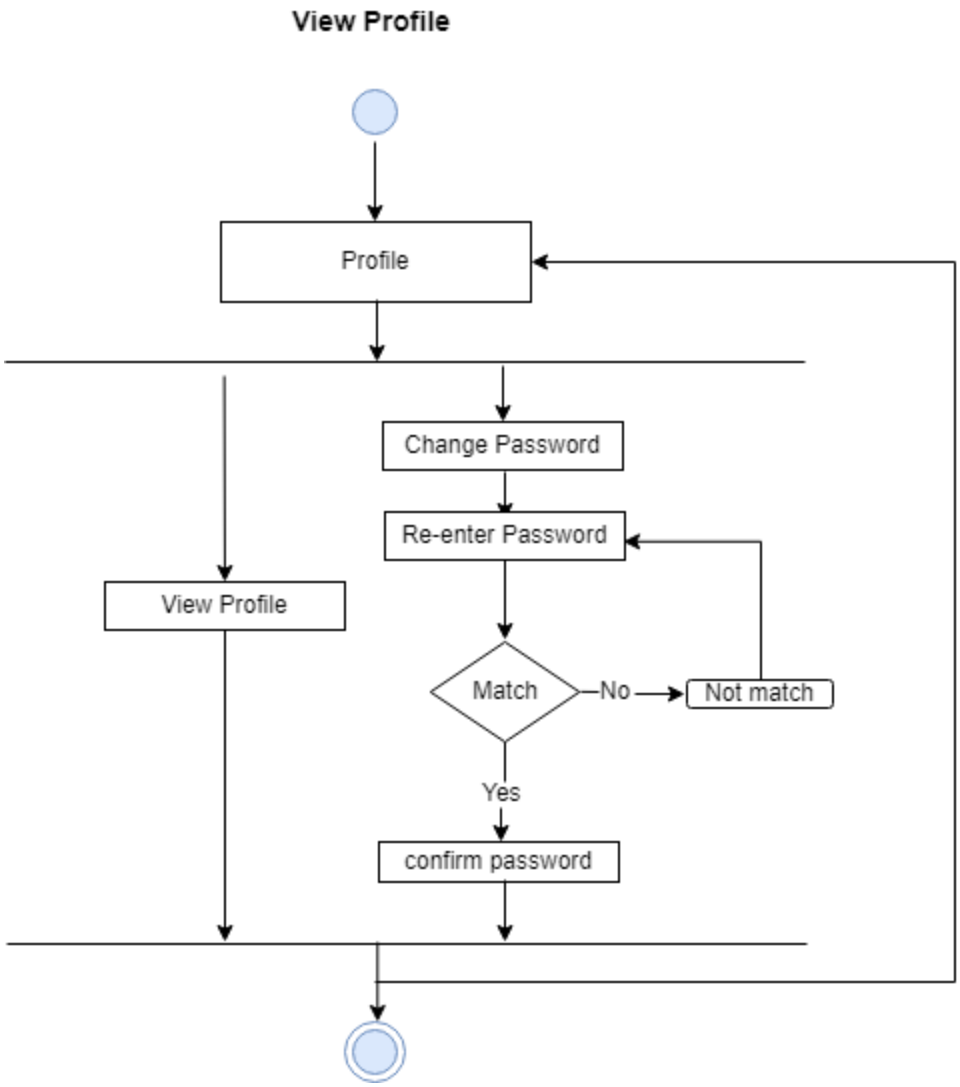


Figure- 3.5: Activity Diagram (View Profile)

3.4.4 Modify Profile

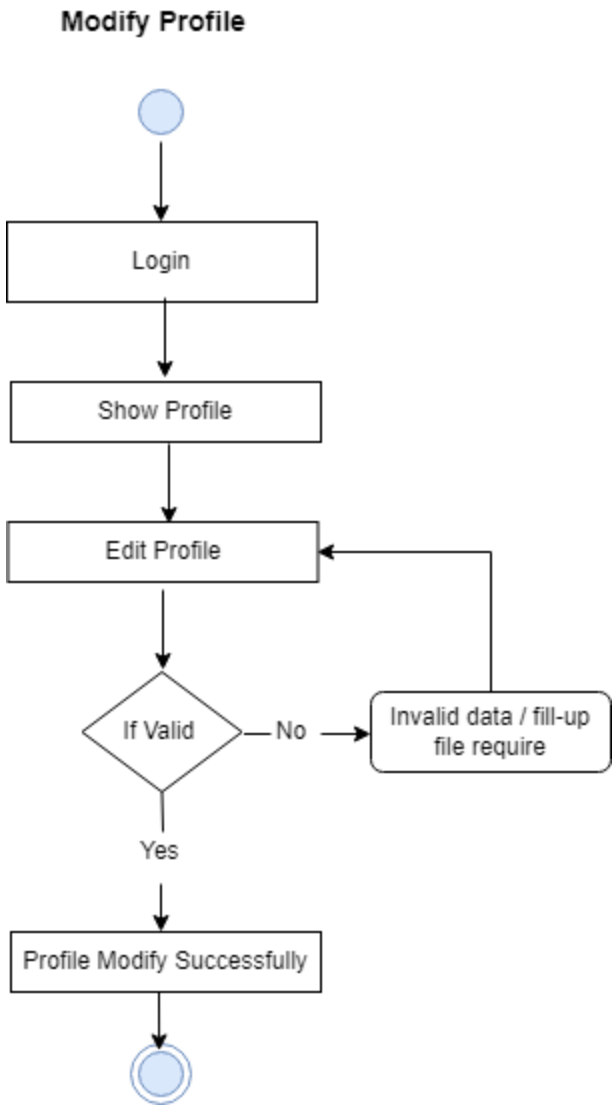


Figure- 3.6: Activity Diagram (Modify Profile)

3.4.5 Send Problem

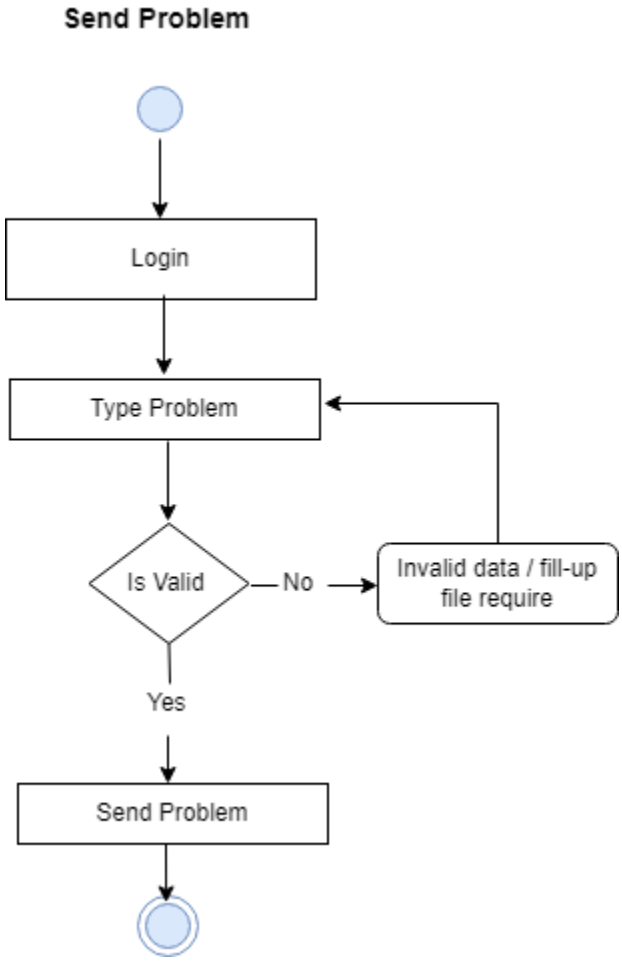


Figure- 3.7: Activity Diagram (Send Problem)

3.4.6 Notification

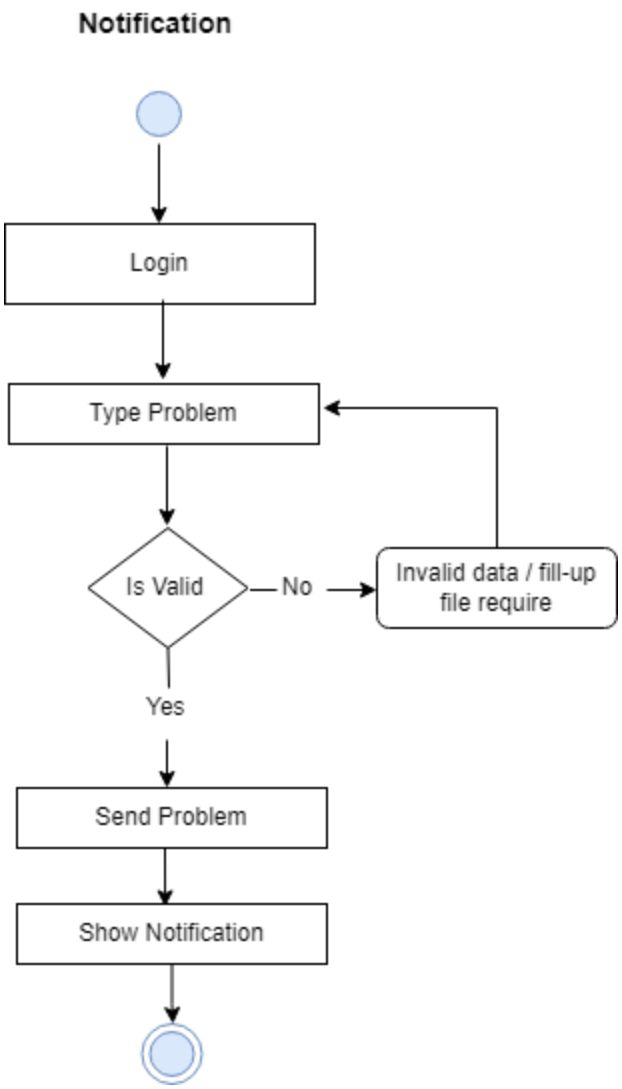


Figure- 3.8: Activity Diagram (Notifications)

3.4.7 Check Problem

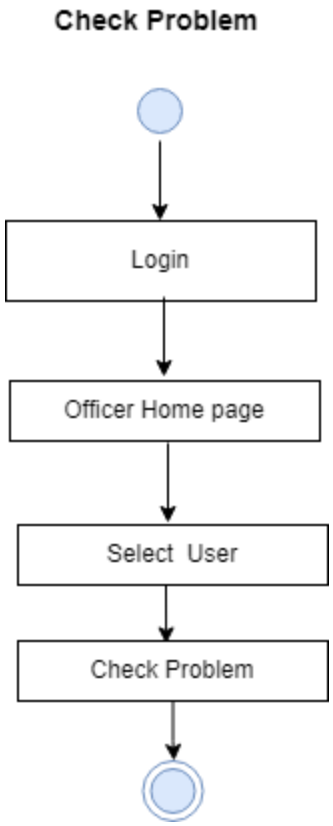


Figure- 3.9: Activity Diagram (Check Problem)

3.4.8 Send Feedback

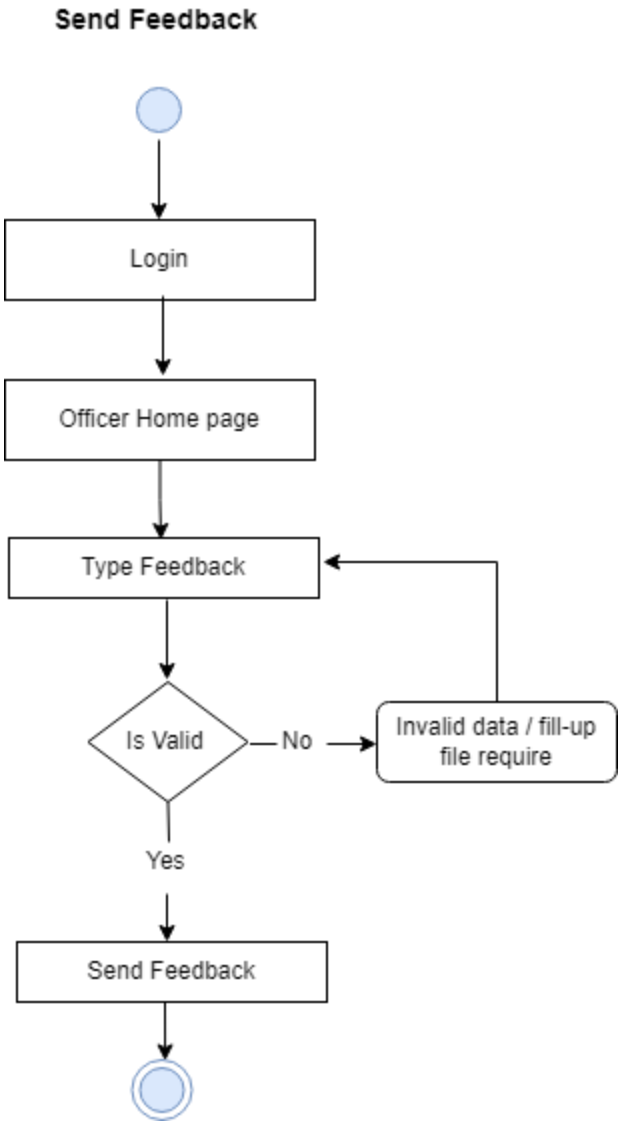


Figure- 3.10: Activity Diagram (Send Feedback)

3.4.9 Assign Technician

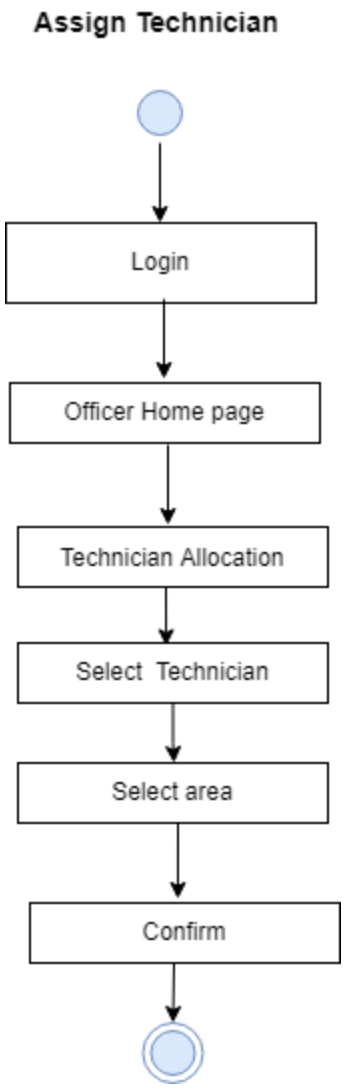


Figure- 3.11: Activity Diagram (Assign Technician)

3.4.10 View Feedback

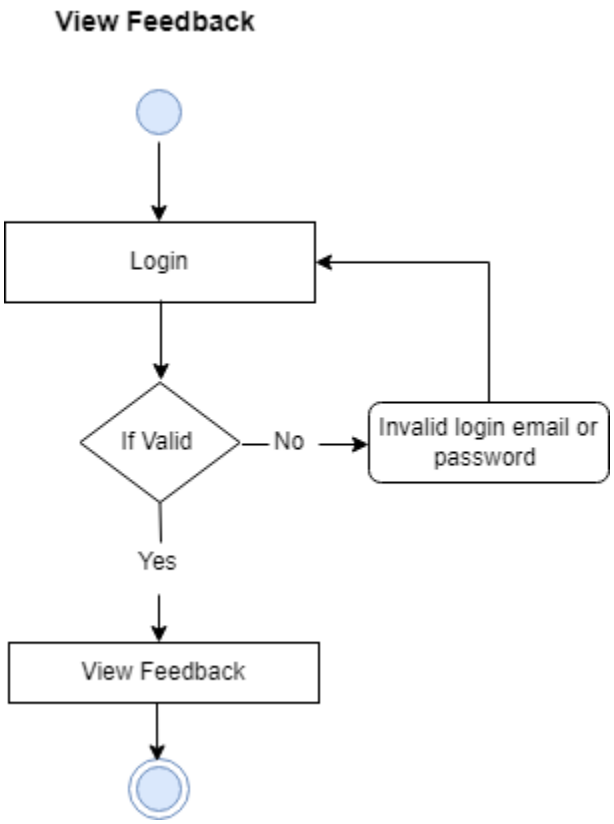


Figure- 3.12: Activity Diagram (View Feedback)

3.4.11 Manage Technician

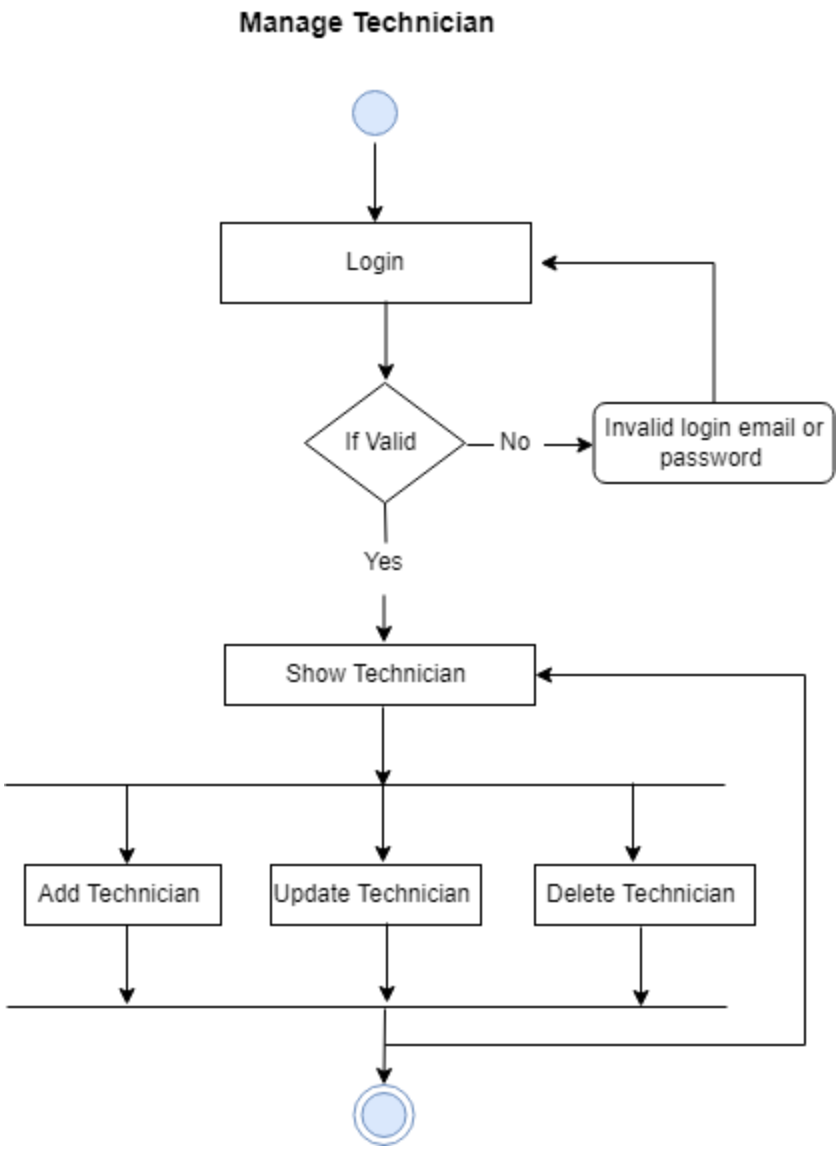


Figure- 3.13: Activity Diagram (Manage Technician)

3.4.12 Manage Officer

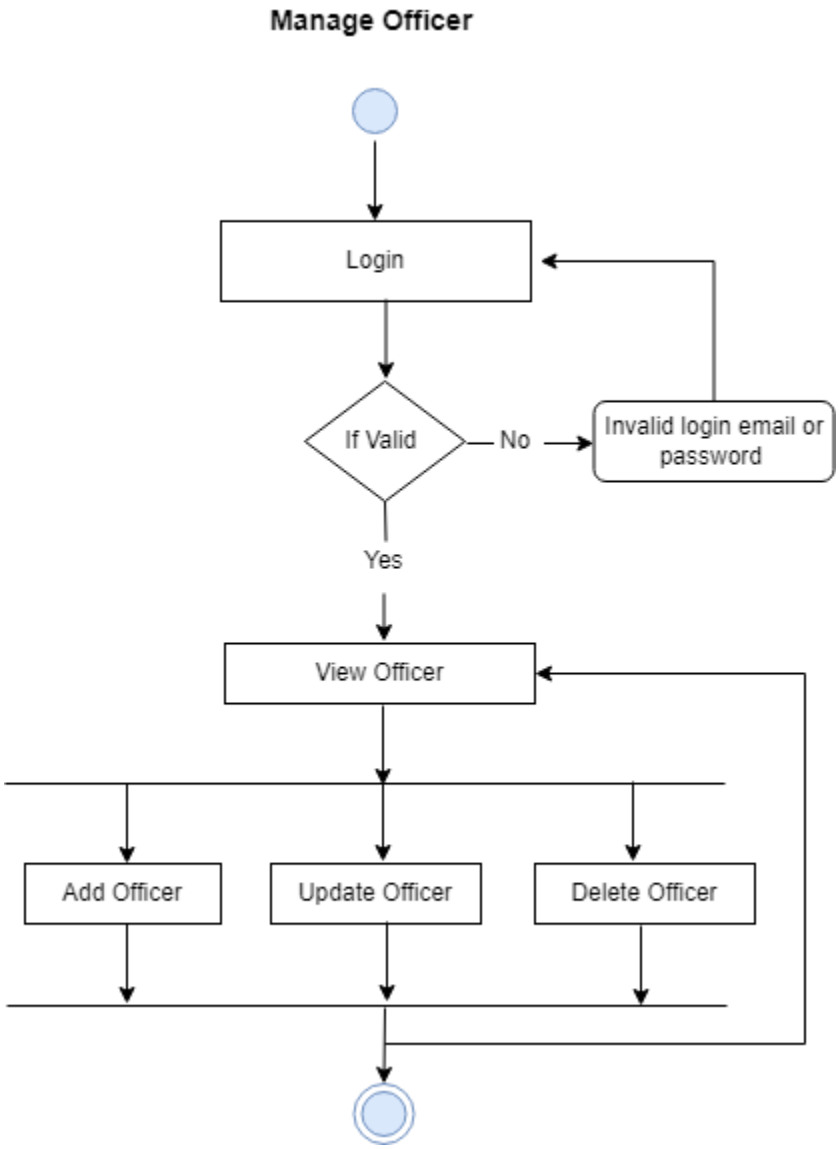


Figure- 3.14: Activity Diagram (Manage Officer)

3.4.13 Manage Service

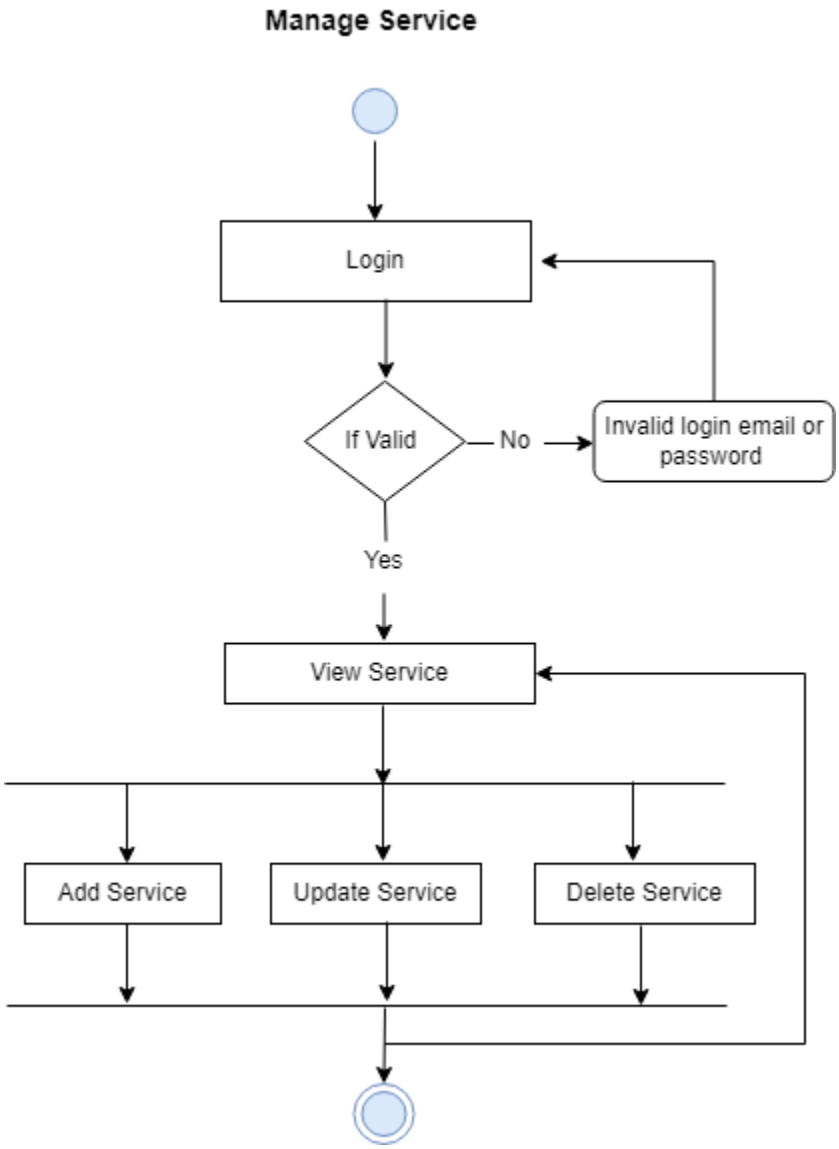


Figure- 3.15: Activity Diagram (Manage Service)

3.1.15 Logout

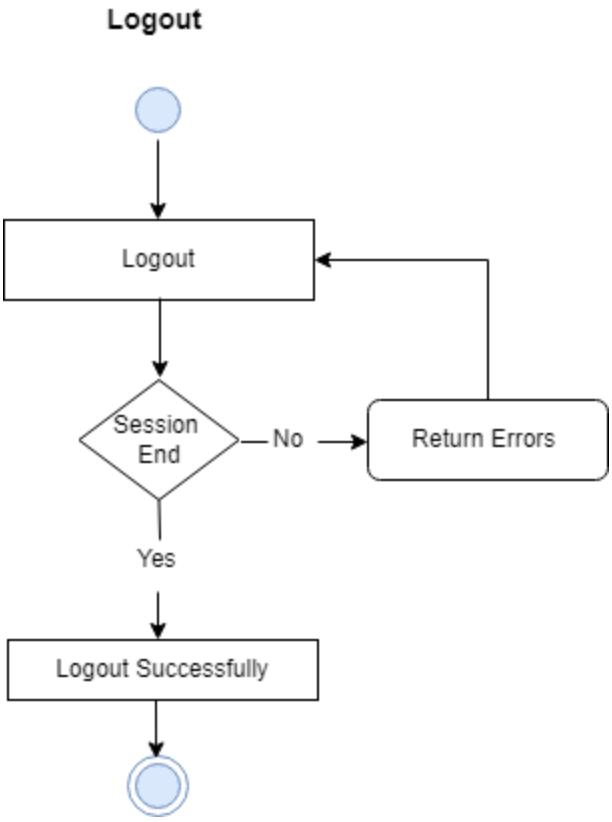


Figure- 3.16: Activity Diagram (Logout)

3.5 Sequence Diagram

3.5.1 Registration

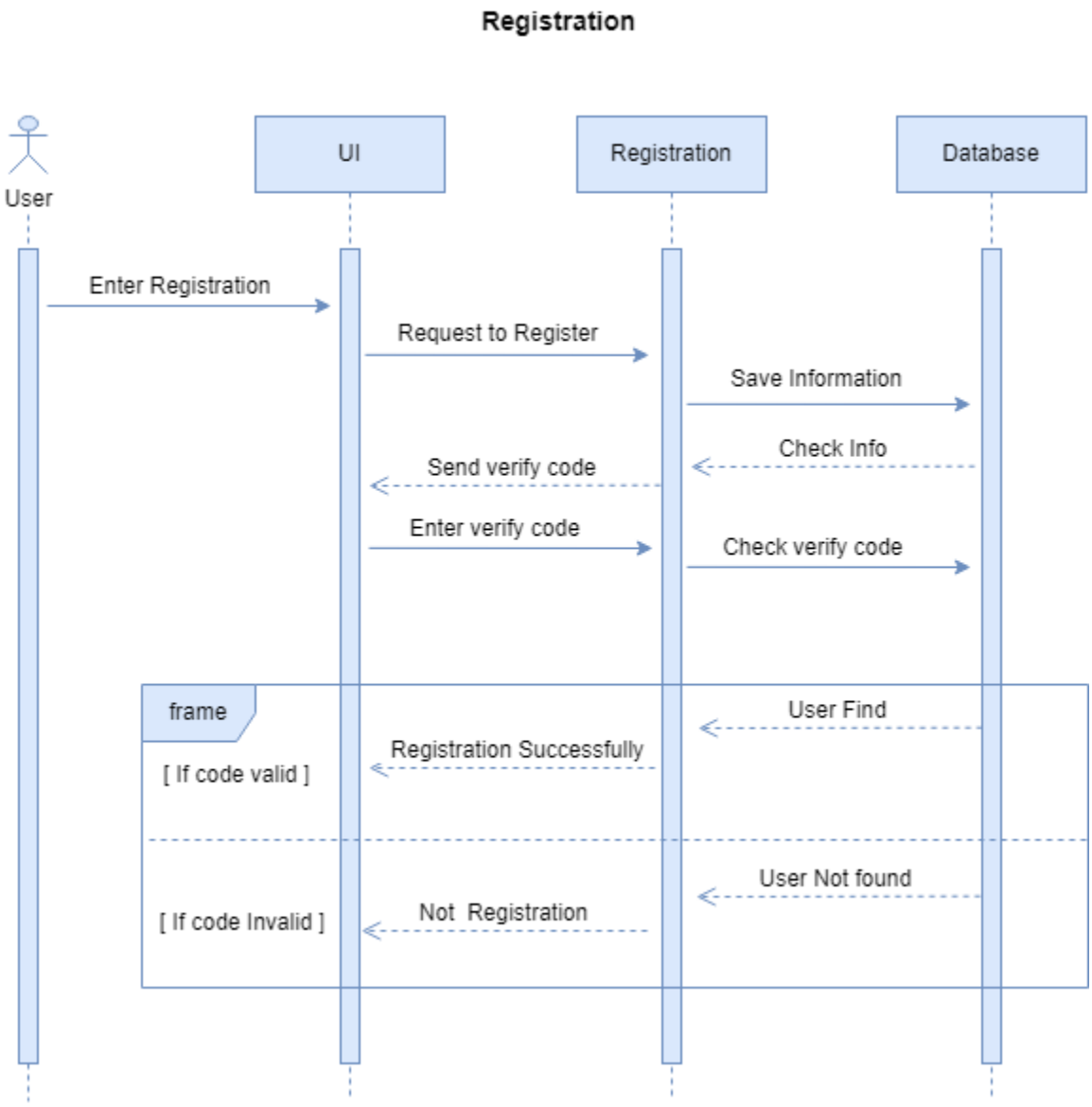


Figure – 3.17: Sequence Diagram (Registration)

3.5.2 Login

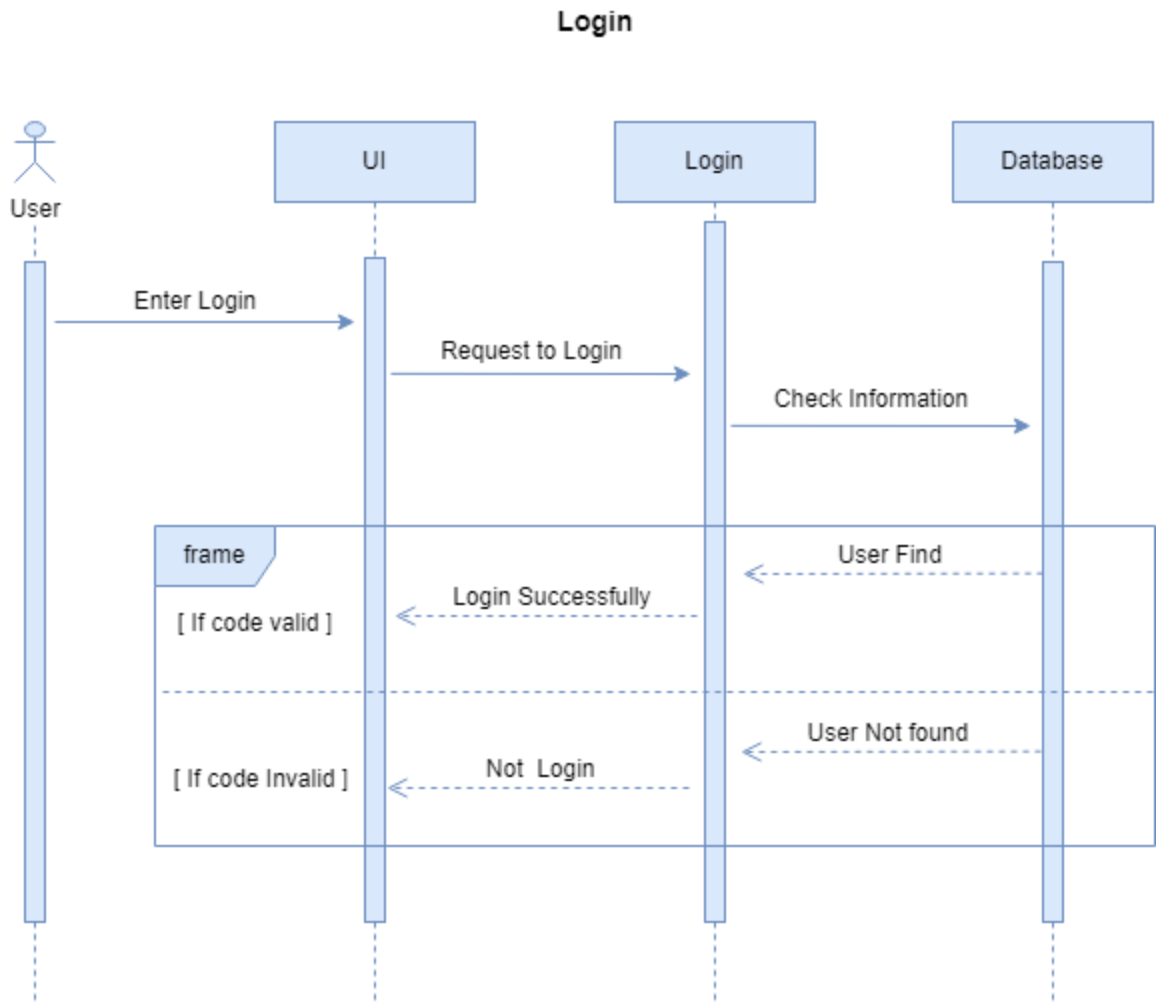


Figure – 3.18: Sequence Diagram (Login)

3.5.3 View Profile

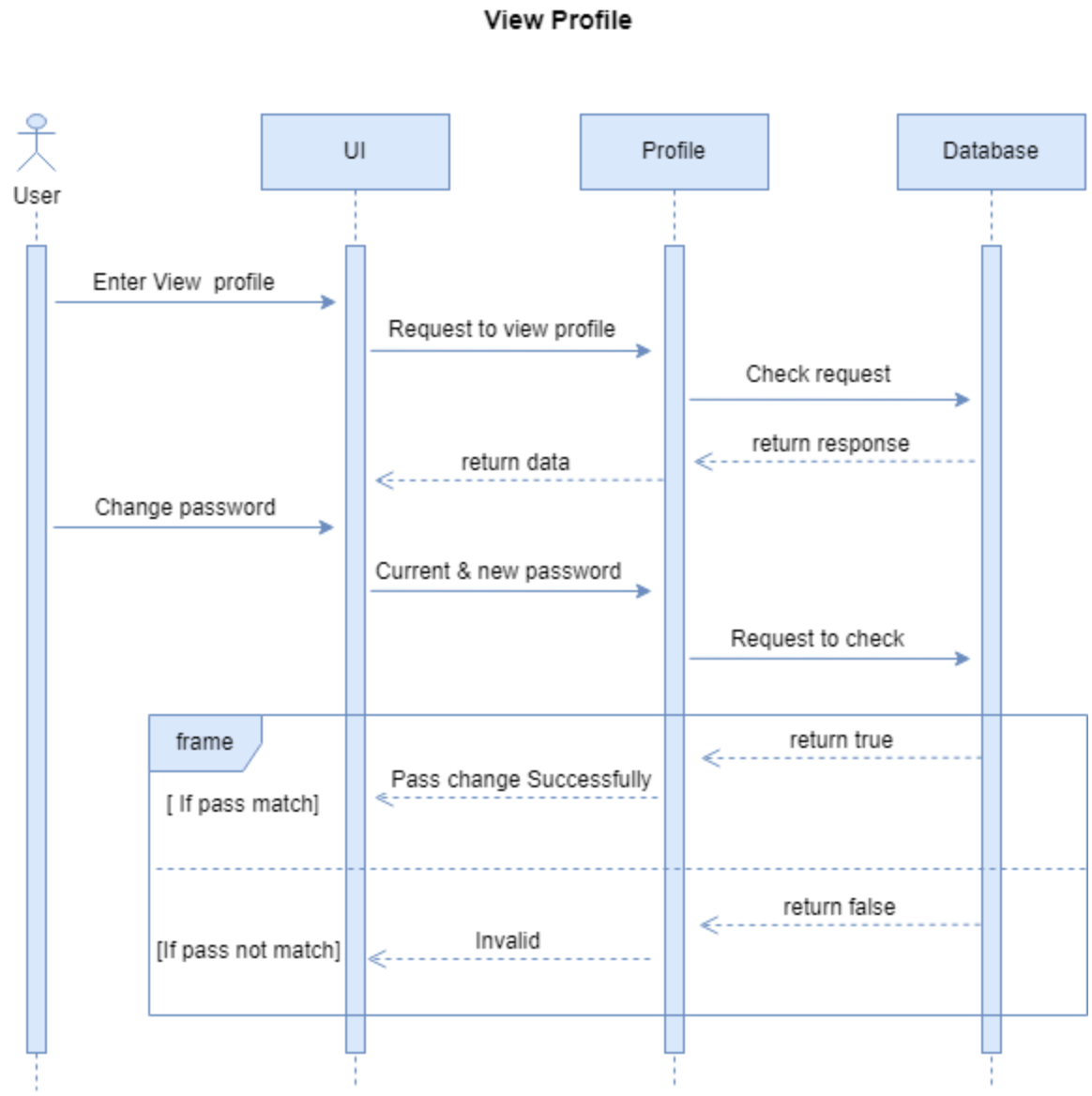


Figure – 3.19: Sequence Diagram (View Profile)

3.5.5 Modify Profile

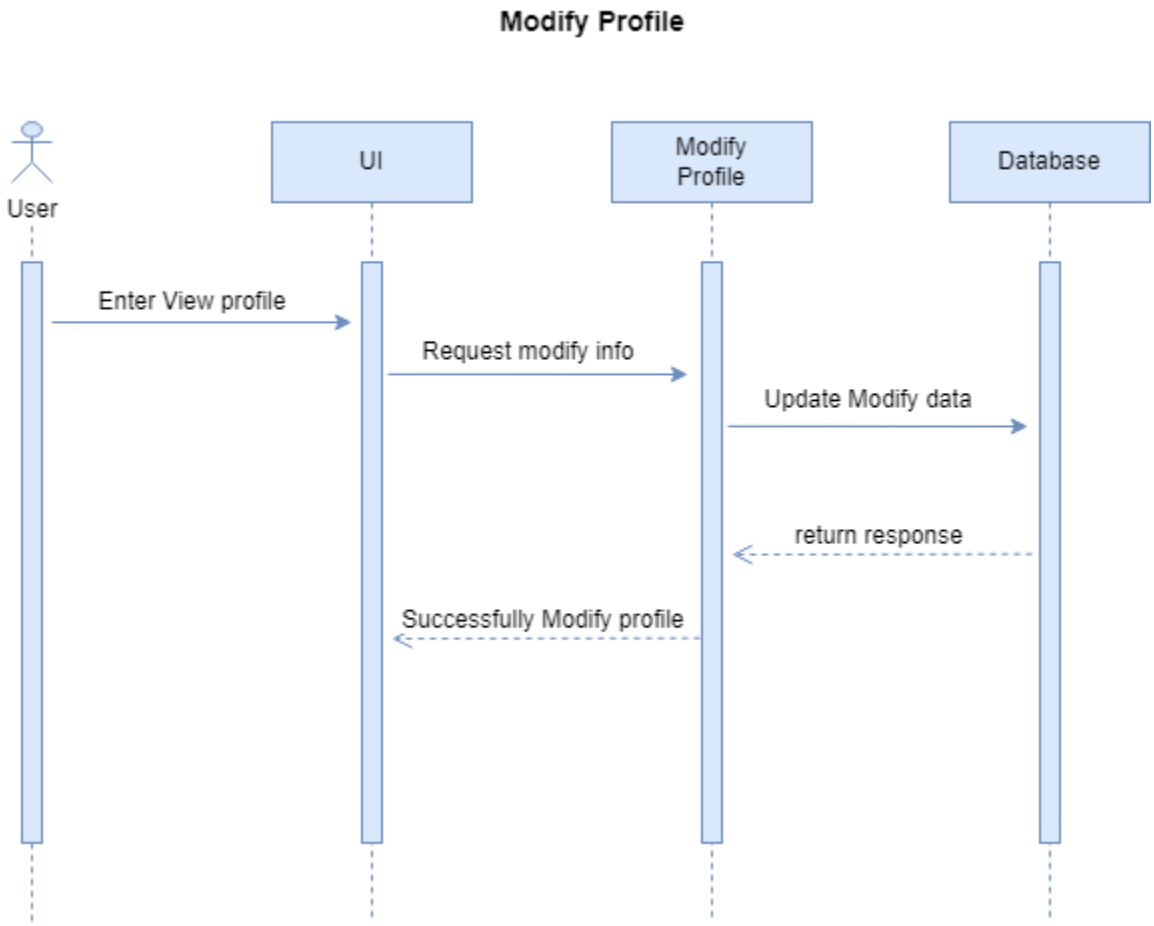


Figure – 3.20: Sequence Diagram (Modify Profile)

3.5.6 Send Problem

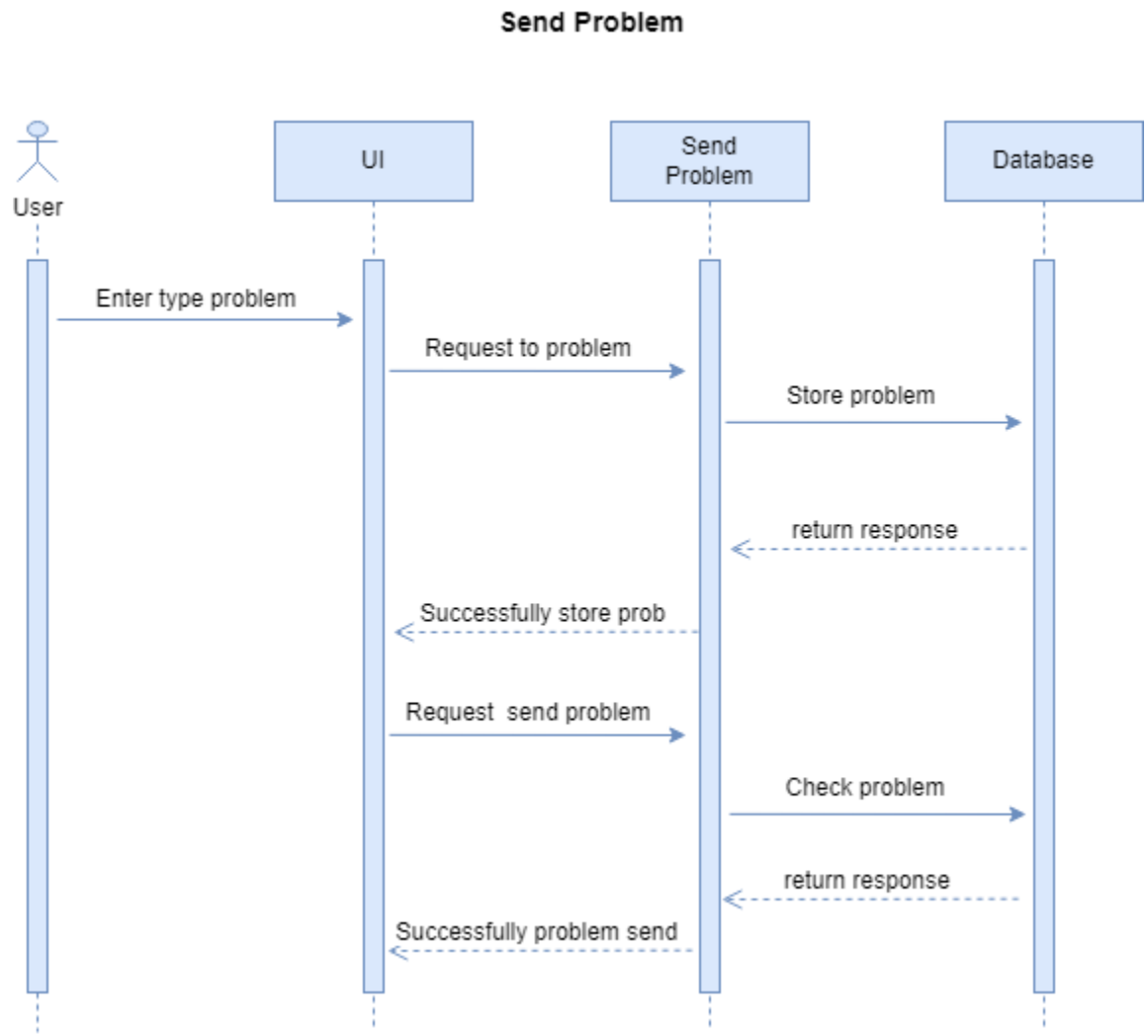


Figure – 3.21: Sequence Diagram (Send Problem)

3.5.7 Notification

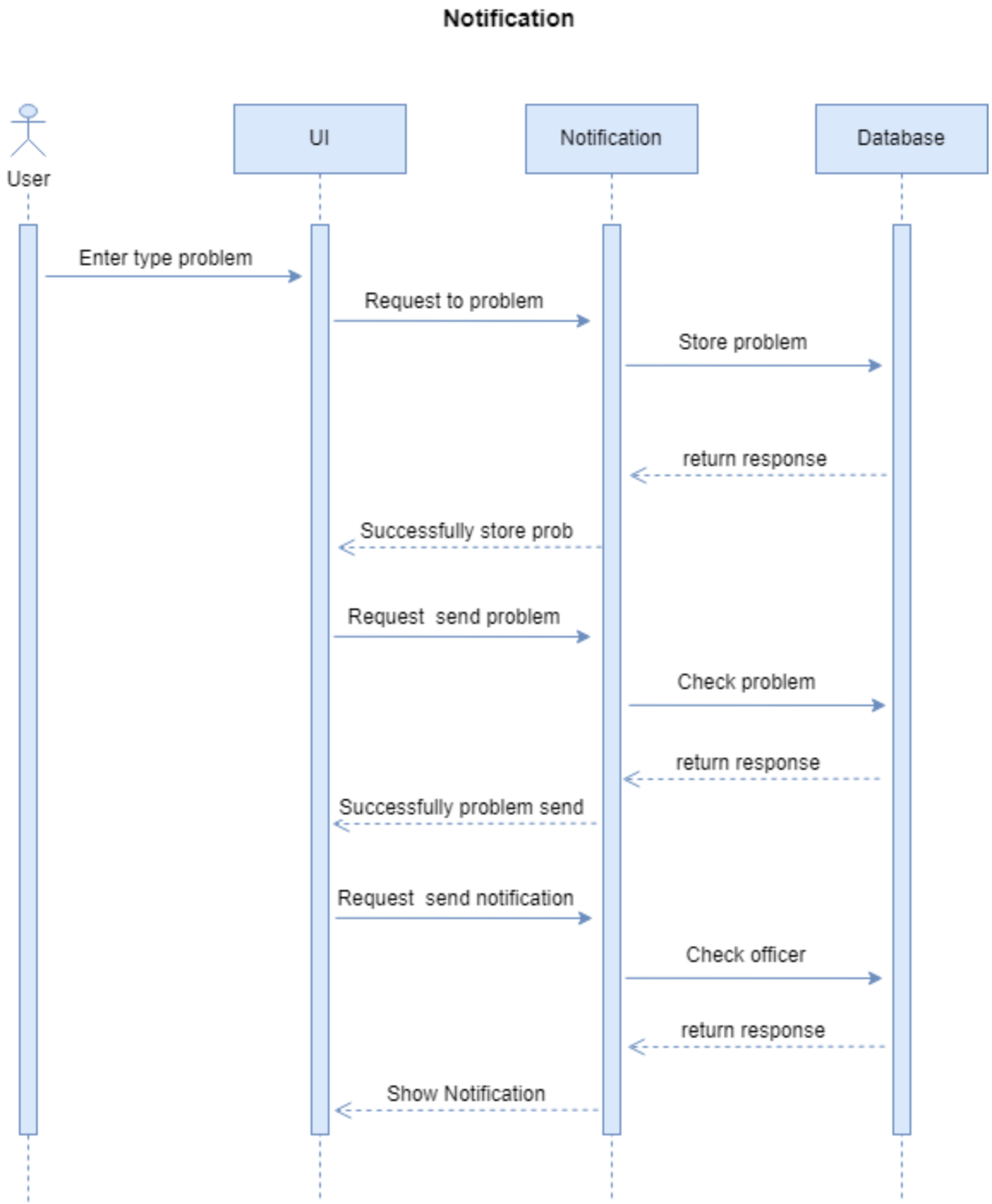


Figure – 3.22: Sequence Diagram (Notification)

3.5.8 Check Problem

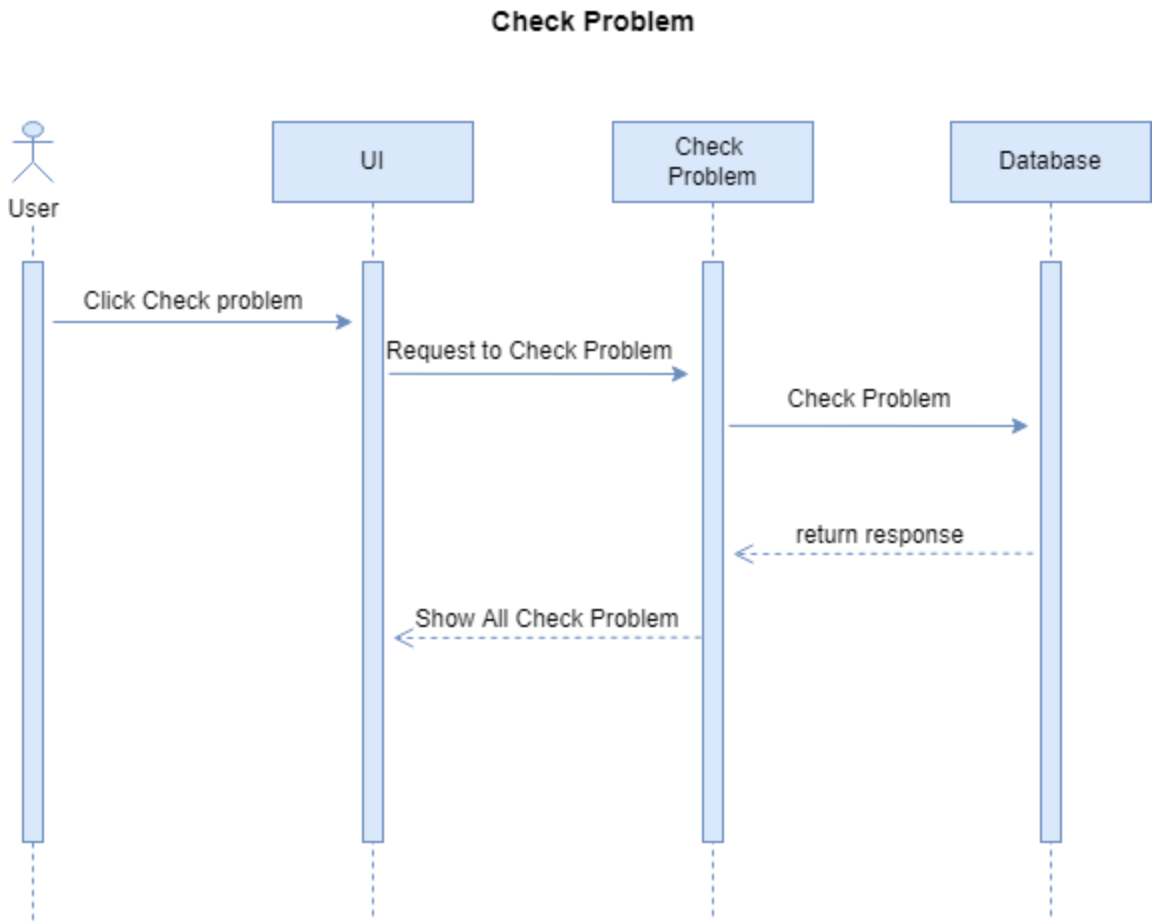


Figure – 3.23: Sequence Diagram (Check Problem)

3.5.9 Send Feedback

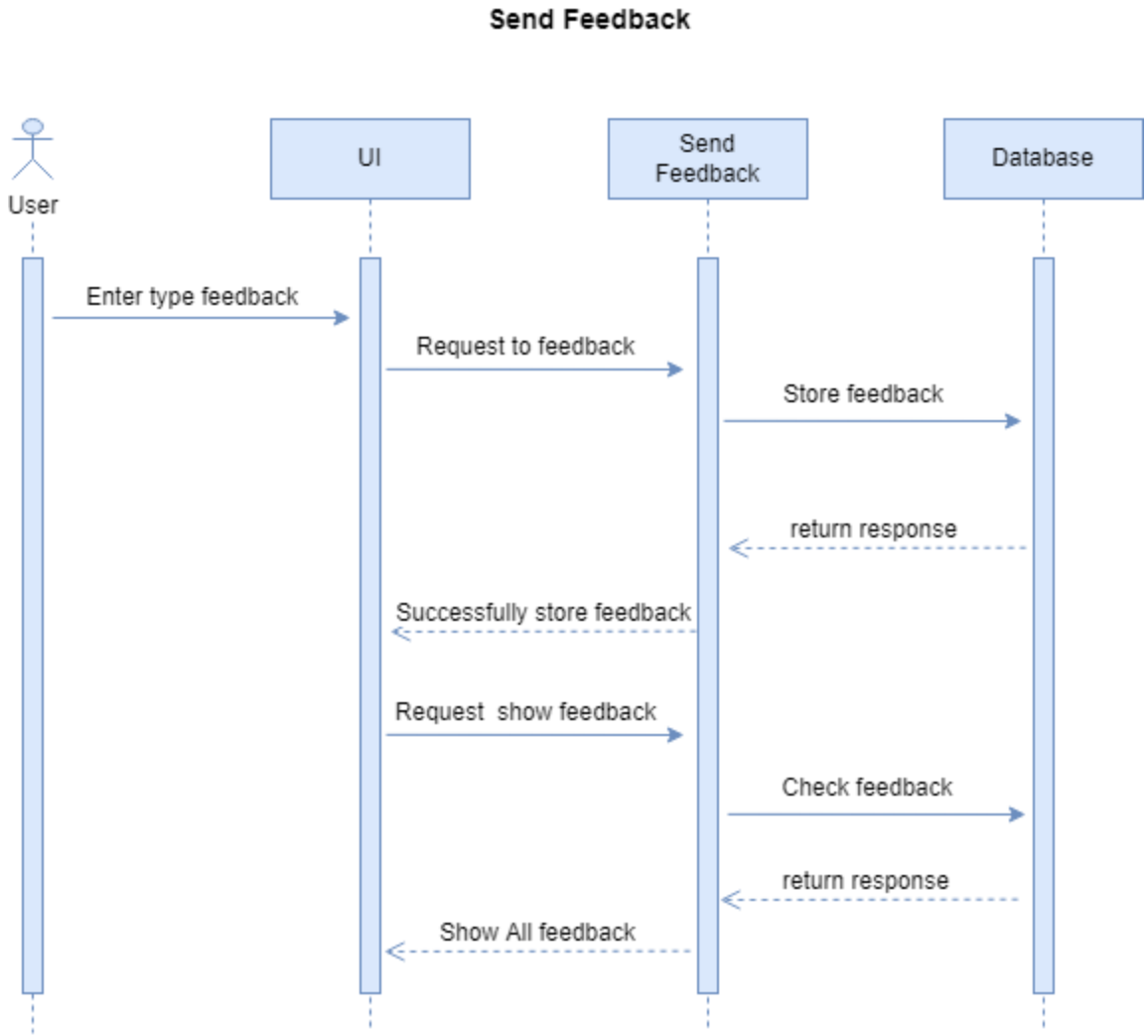


Figure – 3.24: Sequence Diagram (Send Feedback)

3.5.10 Assign Technician

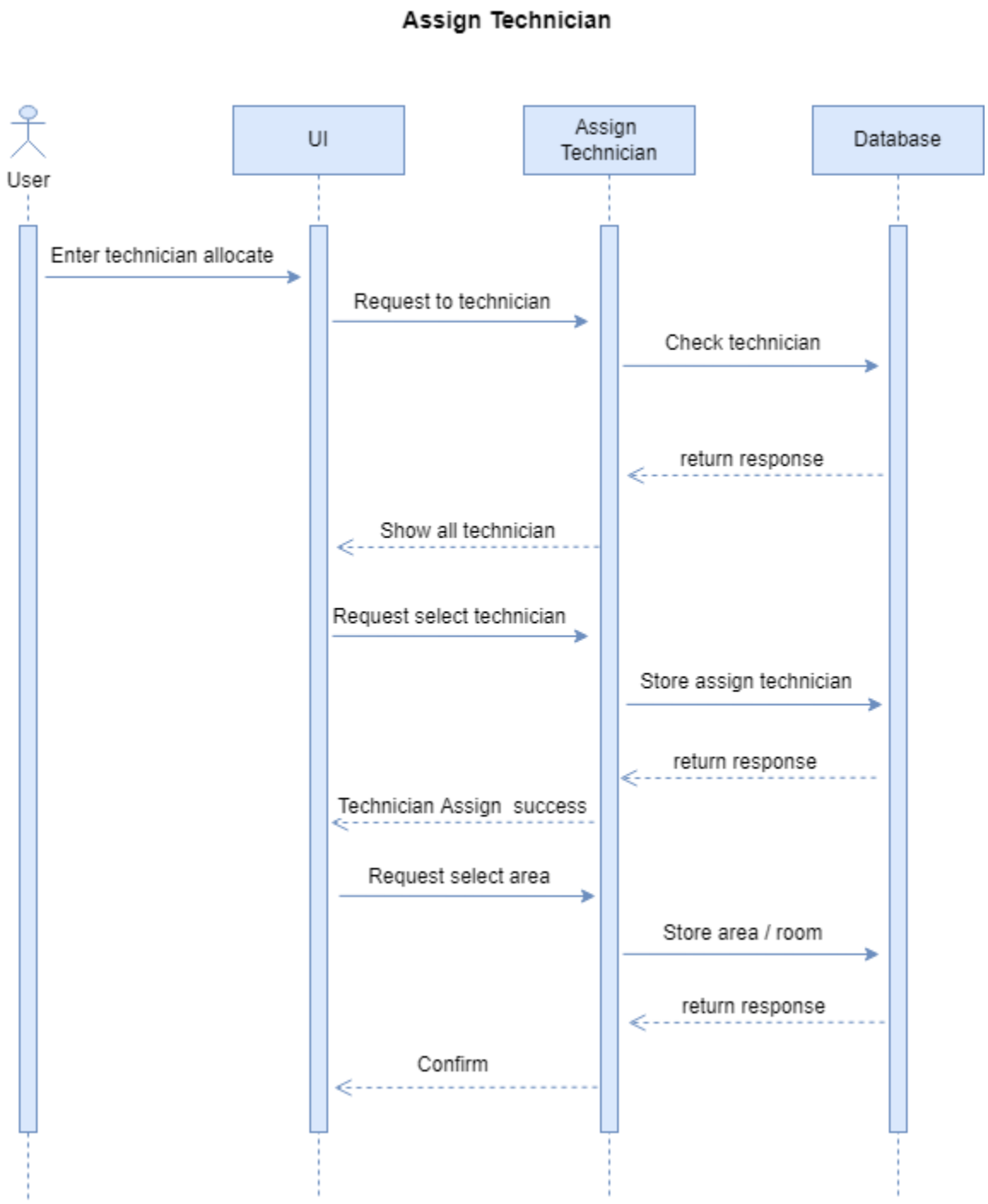


Figure – 3.25: Sequence Diagram (Assign Technicion)

3.5.11 View Feedback

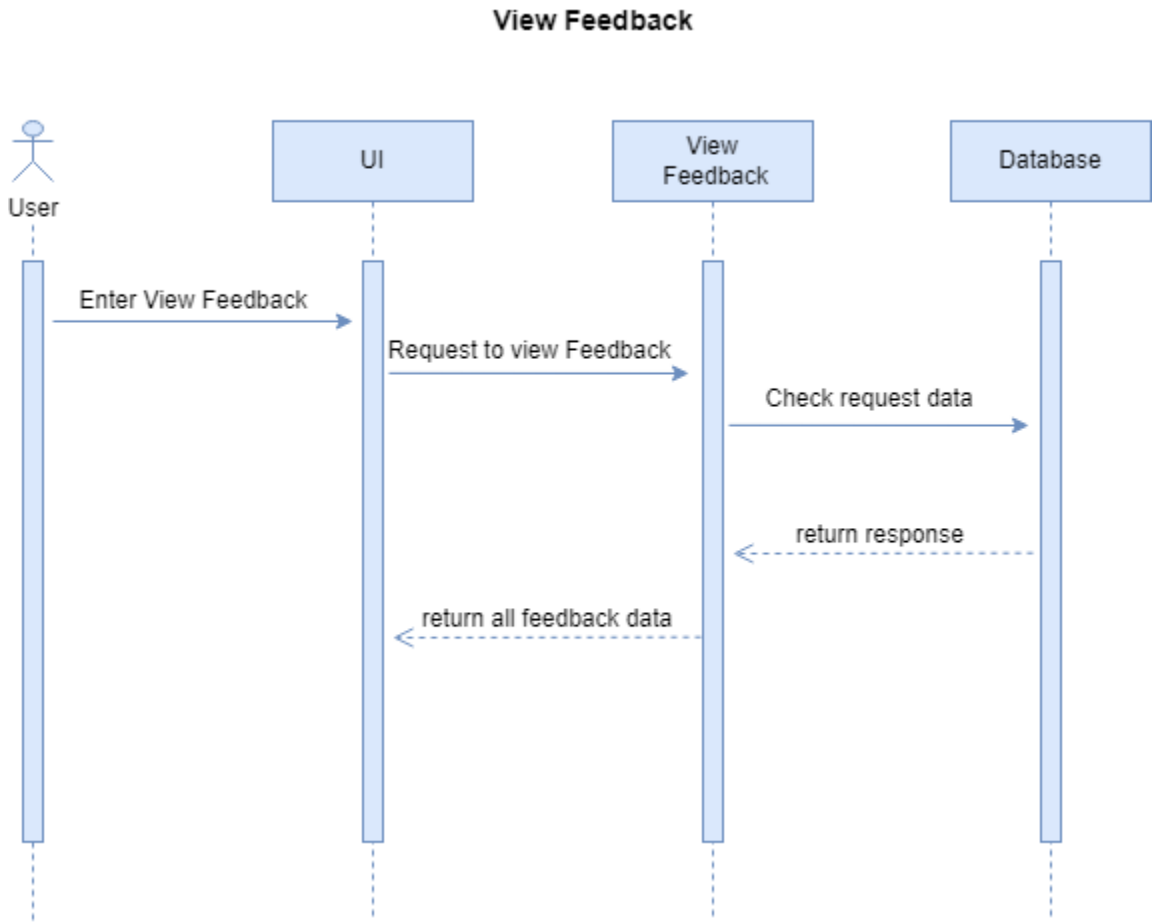


Figure – 3.26: Sequence Diagram (View Feedback)

3.5.12 Manage Technician

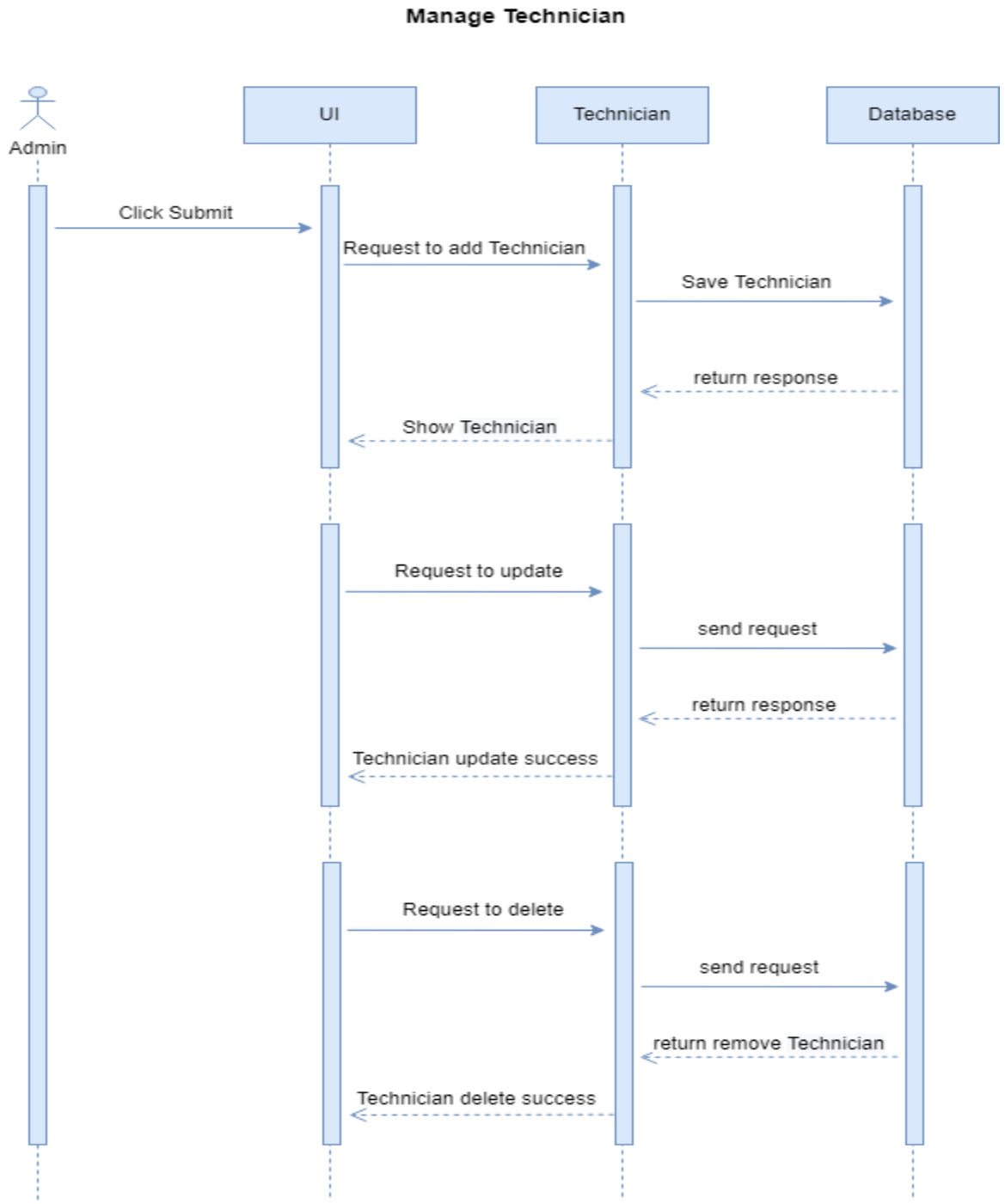


Figure – 3.27: Sequence Diagram (Manage technetium)

3.5.13 Manage Officer

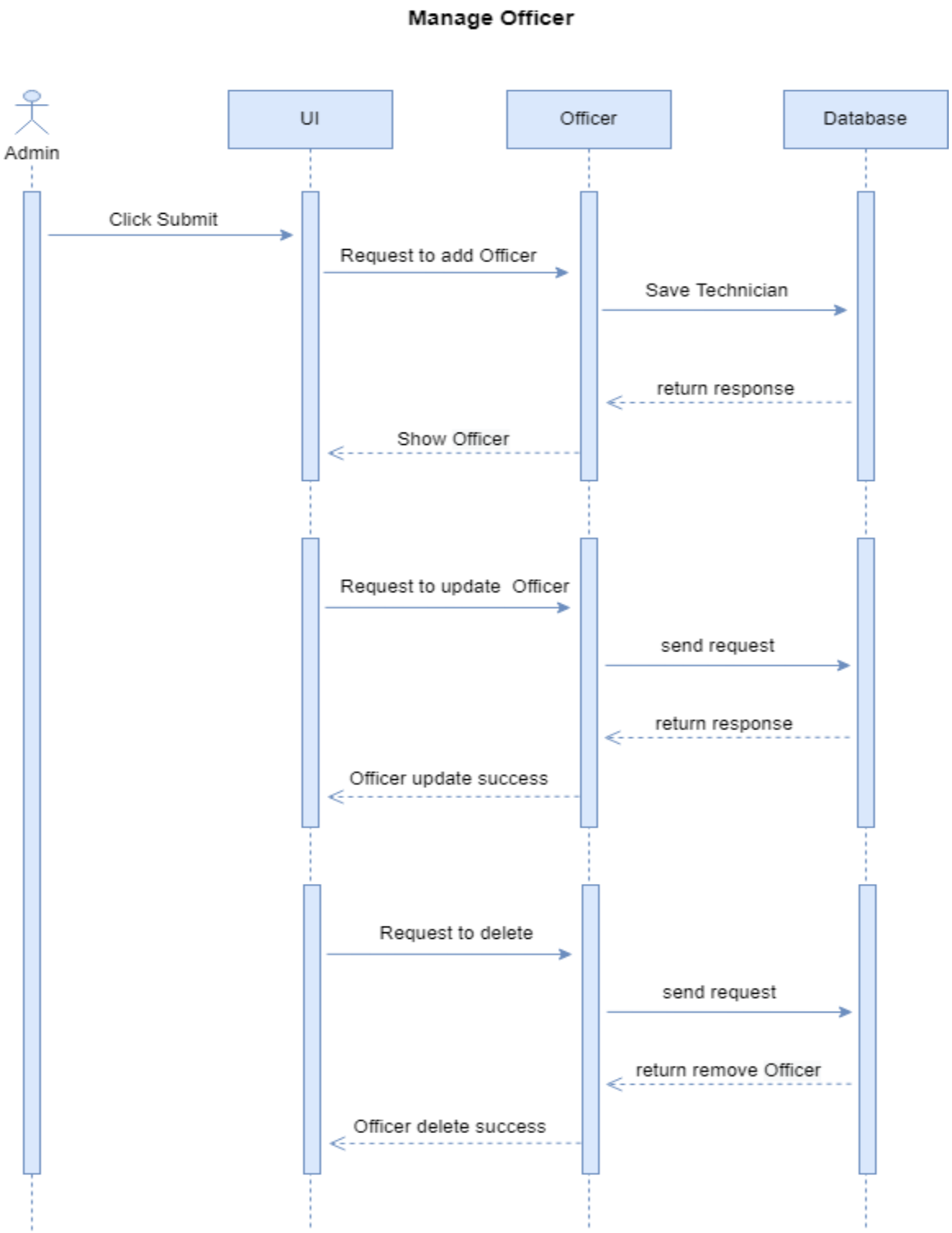


Figure – 3.28: Sequence Diagram (Manage Officer)

3.5.14 Manage Service

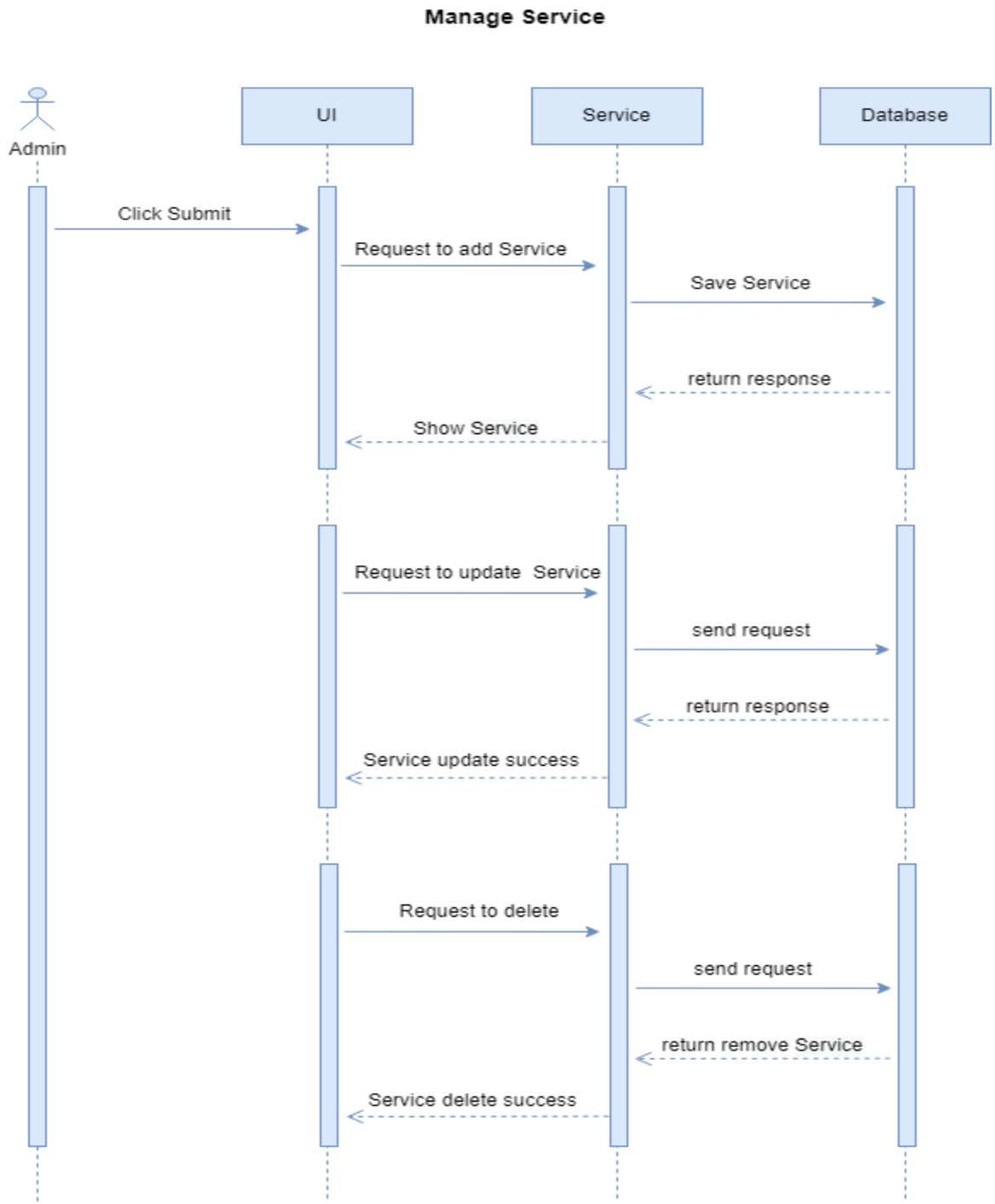


Figure – 3.29: Sequence Diagram (Manage Service)

3.5.15 Manage Category

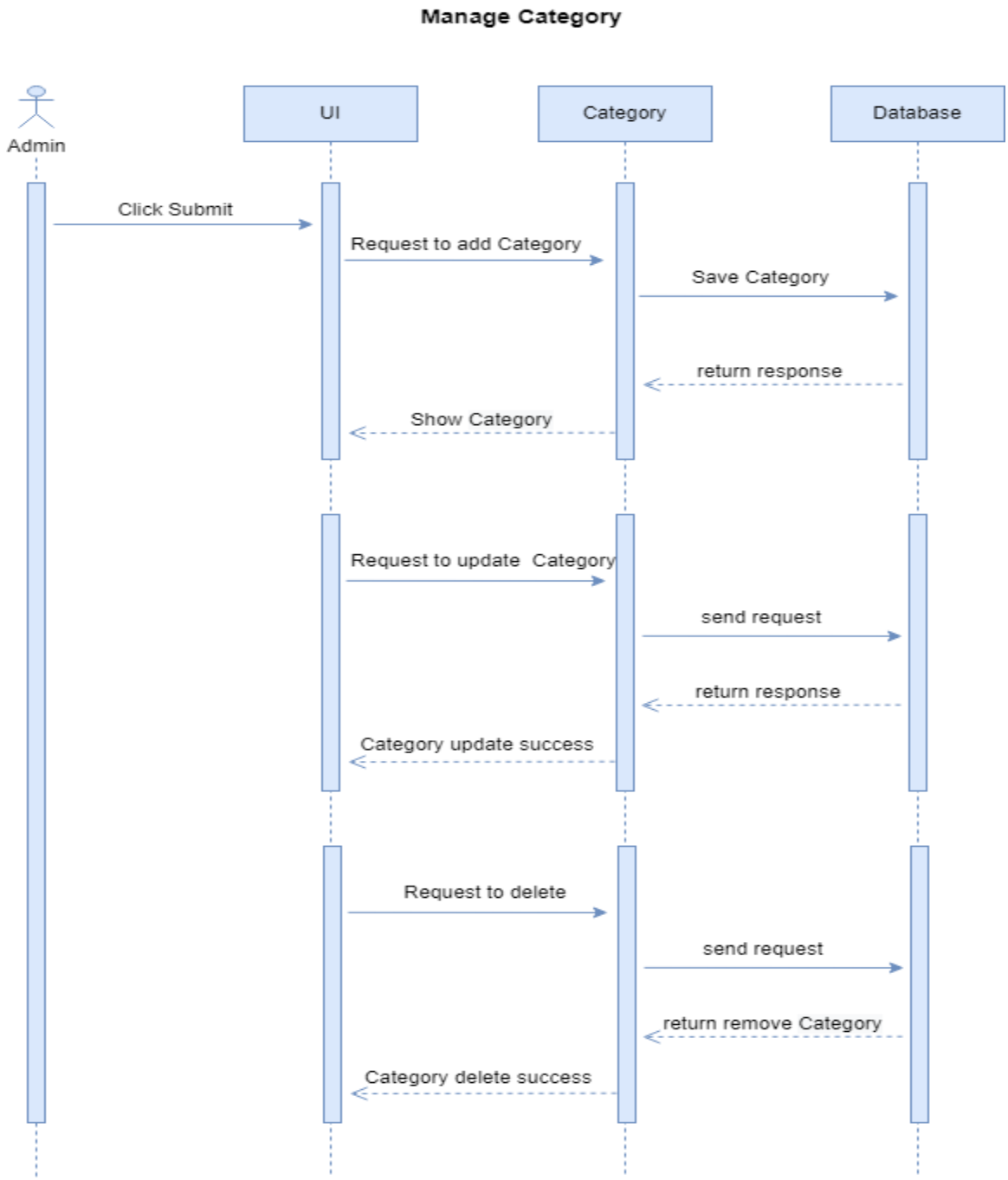


Figure – 3.30: Sequence Diagram (Manage Category)

3.5.16 Logout

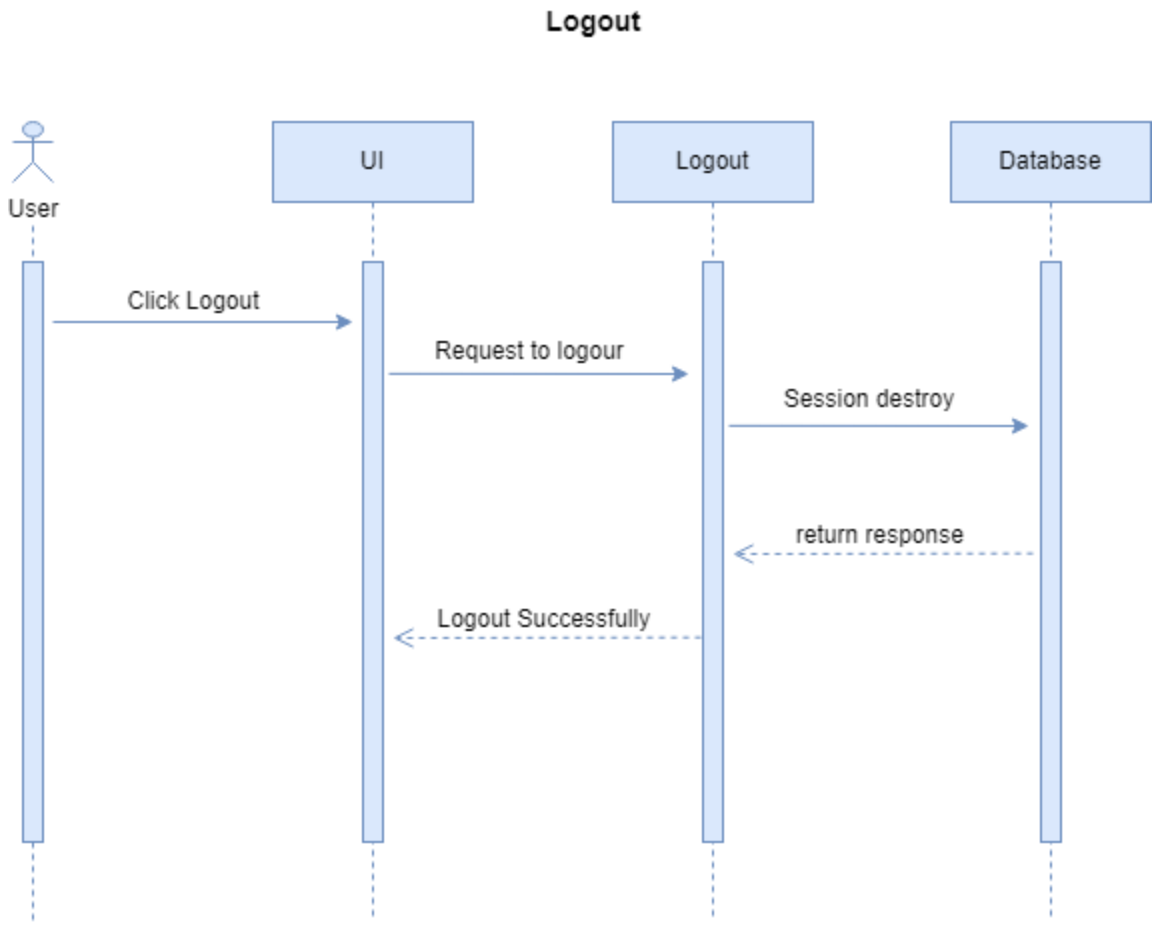


Figure – 3.31: Sequence Diagram (Logout)

3.6 Entity Diagram

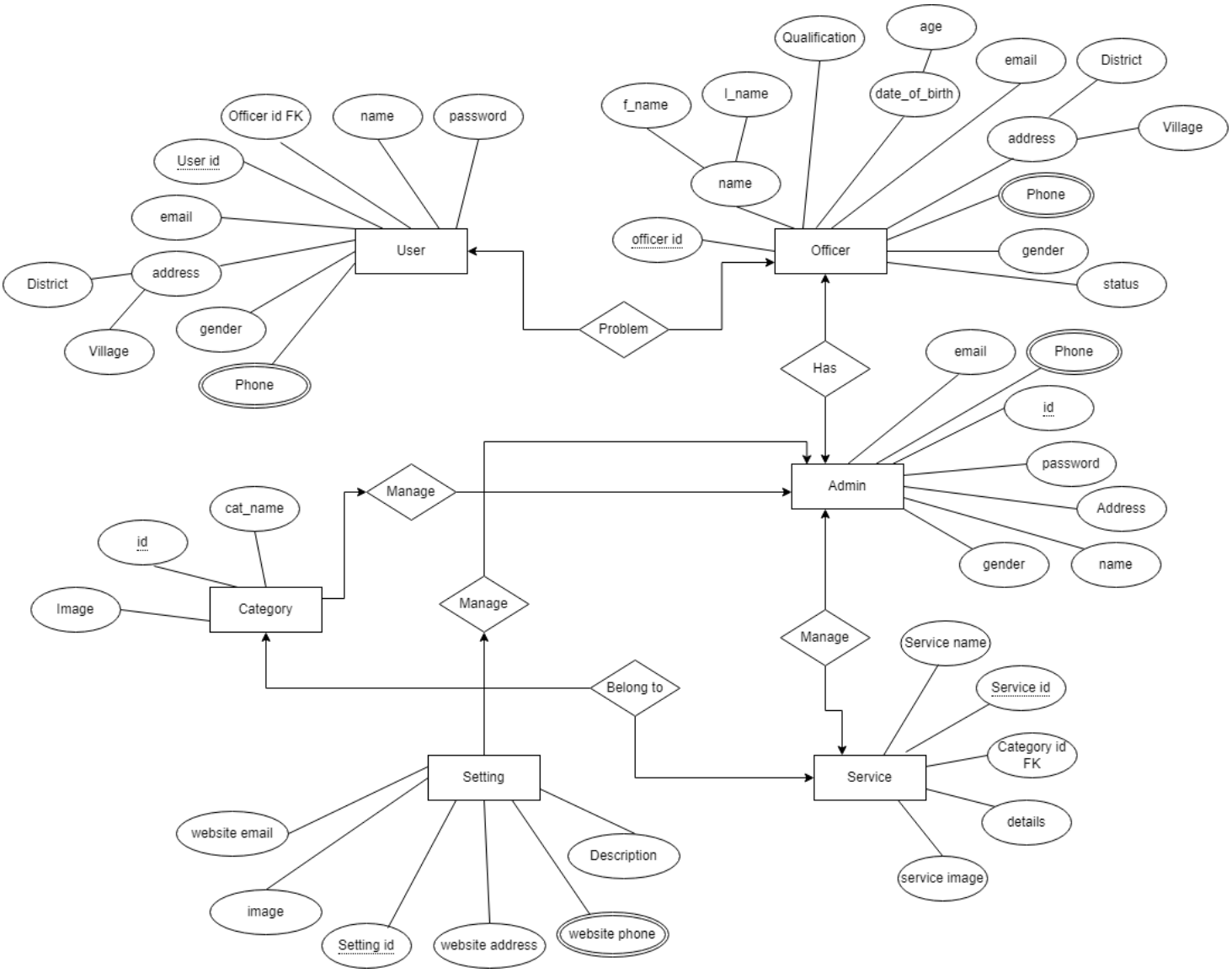


Figure – 3.32: Entity Diagram

CHAPTER 4

SYSTEM TESTING

4.1 Feature Testing

Web application is needed to be updated in time to time. Feature testing is a way of adding functionality or modifying to be matched by new technology. After the feature testing every application become more reliable, secure and efficient.

4.1.1 Tested Feature

Feature	Priority	Description
Login	1	The user must be authenticating by login
Logout	2	The session must be finished by log out
Registration	1	User info must be saved
View Profile	2	User can see their profile info
Dashboard	1	Admin can manage all activities from dashboard
Manage Teacher Account	1	User send problem
Manage Category	1	Admin can manage Category
Add cv	1	Admin manage technician account
Show	1	manage officer account

Here, 1= High Priority, 2= Medium Priority, 3= Low Priority

4.2 Testing Strategies

4.2.1 Test Approach

For ensure the quality of my project system, I want to use two different testing, 1. Black box testing, 2. White box testing

They focused functional testing and structural testing mainly.

1. **Black Box Testing:** Black Box testing is used to test functionality of the system. Functionality is tested based on input and output.
2. **White box testing:** White box testing is used to tested structure, architecture and mechanism of a system.

4.2.2 Pass / Fail Criteria:

For testing, there are 2 type of criteria –Pass and Fail. The Pass / Fail criteria is prepared based on which output is right which output is wrong.

- System Crash is considered as a failure case.
- If any criteria pass 100% of testing, then it will be considered as pass criteria only.

4.2.3 Testing Schedule

Test Phase	Time
Testing plan create	1 week
Unit testing	During developing time
Component testing	During developing time
Integration testing	1 week
Testing user interface	1week
Load testing	1 week
Performance testing	1 week
Accessibility testing	1 week

Table 4.1: Testing Schedule

4.2.4 Traceability Matrix

Project Manager			**Business analyst Lead**	
QA leader			**Target implementation date**	
TM	**Functionality Activity**	**Requirement Description**	**Test Case Reference**	**Comments**
TM-01	Functional	Registration	TEST CASE 4.4.1	
TM-02	Functional	Login	TEST CASE 4.4.2	
TM-03	Functional	View Profile	TEST CASE 4.4.3	
TM-04	Functional	Manage Technician Account	TEST CASE 4.4.4	
TM-05	Functional	Manage officer account	TEST CASE 4.4.5	
TM-06	Functional	manage category	TEST CASE 4.4.6	
TM-07	Functional	manage service	TEST CASE 4.4.7	
TM-08	Functional	Logout	TEST CASE 4.4.8	

Table 4.2: Traceability Matrix

4.3 Testing Environment

Testing environment is made with hardware and software, so that tester may execute what tests mean. There are few testings' region for testing environment which I used for my project testing.

- Test data
- Web Server
- Database Server
- Frontend running environment
- Back end running environment
- Network
- Browser

4.4 Test Cases

4.4.1 Registration

Test Case: 01			**Test Case Name:** Registration				
System:			**Sub-System:**				
Designed by:			**Designed date:**				
Executed by:			**Executed date:**				
Short Description: System will save new user description							
Pre-condition: • User must be have valid name, email							
Serial	**Name**	**Email**	**Password**	**Expected Result**	**Pass / Fail**	**Actual Result**	**Comment**
1	Zahid		09876	Email field is required	Fail	Pass	
2	Zahid	Zahid	Zahid	Invalid email	Fail	Pass	
3	Zahid	Zahid @001 gmail.com	321564	Successfully signed up	Pass	Pass	
Post-Condition: User can log in							

4.4.2 Log in

Test Case: 02	**Test Case Name:** Log in
System:	**Sub-System:**
Designed by: Md. Zahid Alam	**Designed date:**
Executed by:	**Executed date:**

Short Description: User can access in to the system

Pre-condition:

- User must be have valid email and password

Serial	Email	Password	Expected Result	Pass / Fail	Actual Result	Comment
1		09876	Email field is required	Fail	Pass	
2	Zahid	Zahid	Invalid email	Fail	Pass	
3			Email and Password field is required	Fail	Pass	
4	Zahid @001gmail.com	321564	Successfully signed up	Pass	Pass	

Post-Condition: User can log in

4.4.3 Profile

Test Case: 03	**Test Case Name:** Profile
System:	**Sub-System:**
Designed by: Md. Zahid Alam	**Designed date:**
Executed by:	**Executed date:**

Short Description: User view their profile information

Pre-condition:

- User must have their own account and also logged in to their account

Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Click on profile option	Open profile information	Pass	Pass	

Post-Condition: User can edit their profile info

4.4.4 Manage Technician Account

Test Case: 04	**Test Case Name:** Manage Technician Account
System:	**Sub-System:**
Designed by: Md. Zahid Alam	**Designed date:**
Executed by:	**Executed date:**

Short Description: Manage Technician Accounts

Pre-condition:

- Admin must have their own account and also logged in to their account

Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Manage Teacher Account	Manage Technician account for add, edit, delete.	Pass	Pass	

Post-Condition: Admin can manage Technician accounts all operation.

4.4.5 Manage officer Account

Test Case: 04	**Test Case Name:** Manage officer Account
System:	**Sub-System:**
Designed by: Md. Zahid Alam	**Designed date:**
Executed by:	**Executed date:**

Short Description: Manage officer Accounts

Pre-condition:

- Admin must have their own account and also logged in to their account

Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Manage Teacher Account	Manage Officer account for add, edit, delete.	Pass	Pass	

Post-Condition: Admin can manage Officer accounts all operation.

4.4.6 Manage Category

Test Case: 05	**Test Case Name:** Manage Category
System:	**Sub-System:**
Designed by: Md. Zahid Alam	**Designed date:**
Executed by:	**Executed date:**

Short Description: Manage Category

Pre-condition:

- Admin must have their own account and also logged in to their account

Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Check Appointment	Manage category account for add, edit, delete.	Pass	Pass	

Post-Condition: Admin can manage category accounts all operation.

4.4.7 Manage Service

Test Case: 05	**Test Case Name:** Manage Service
System:	**Sub-System:**
Designed by: Md. Zahid Alam	**Designed date:**
Executed by:	**Executed date:**

Short Description: Manage Service

Pre-condition:

- Admin must have their own account and also logged in to their account

Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Check Appointment	Manage service account for add, edit, delete.	Pass	Pass	

Post-Condition: Admin can manage service accounts all operation.

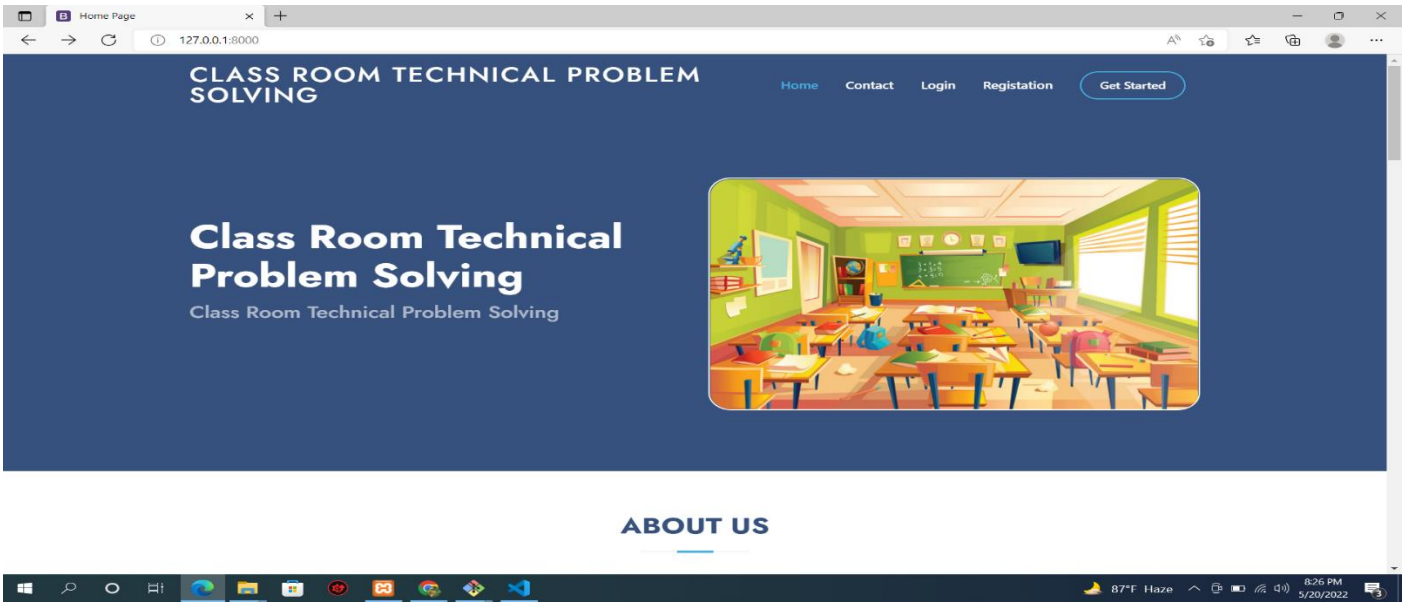
4.4.8 Log Out

Test Case: 08		**Test Case Name: L**ogout			
System:		**Sub-System:**			
Designed by: Md. Zahid Alam		**Designed date:**			
Executed by:		**Executed date:**			
Short Description: system will close					
Pre-condition: • User must logged in to the system					
Serial	**Action**	**Expected Result**	**Pass / Fail**	**Actual Result**	**Comment**
1	Click log out button	Session ended	Pass	Pass	
Post-Condition: User can log in again					

CHAPTER 5

USER MANUAL

5.1 Dashboard



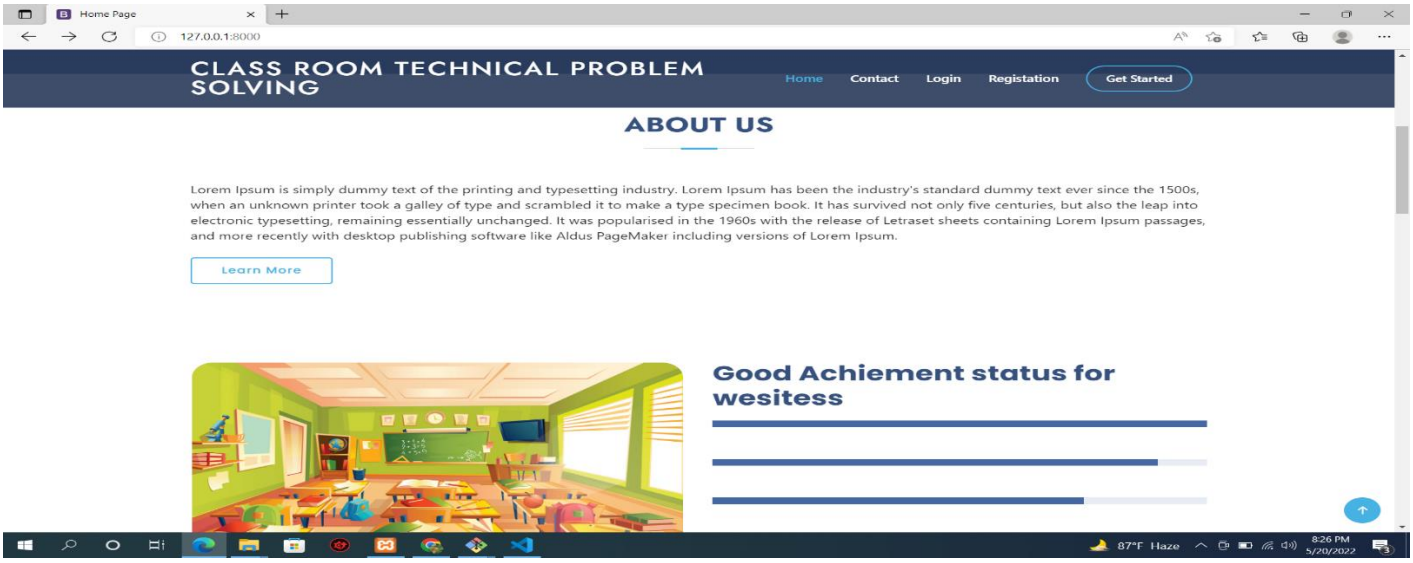
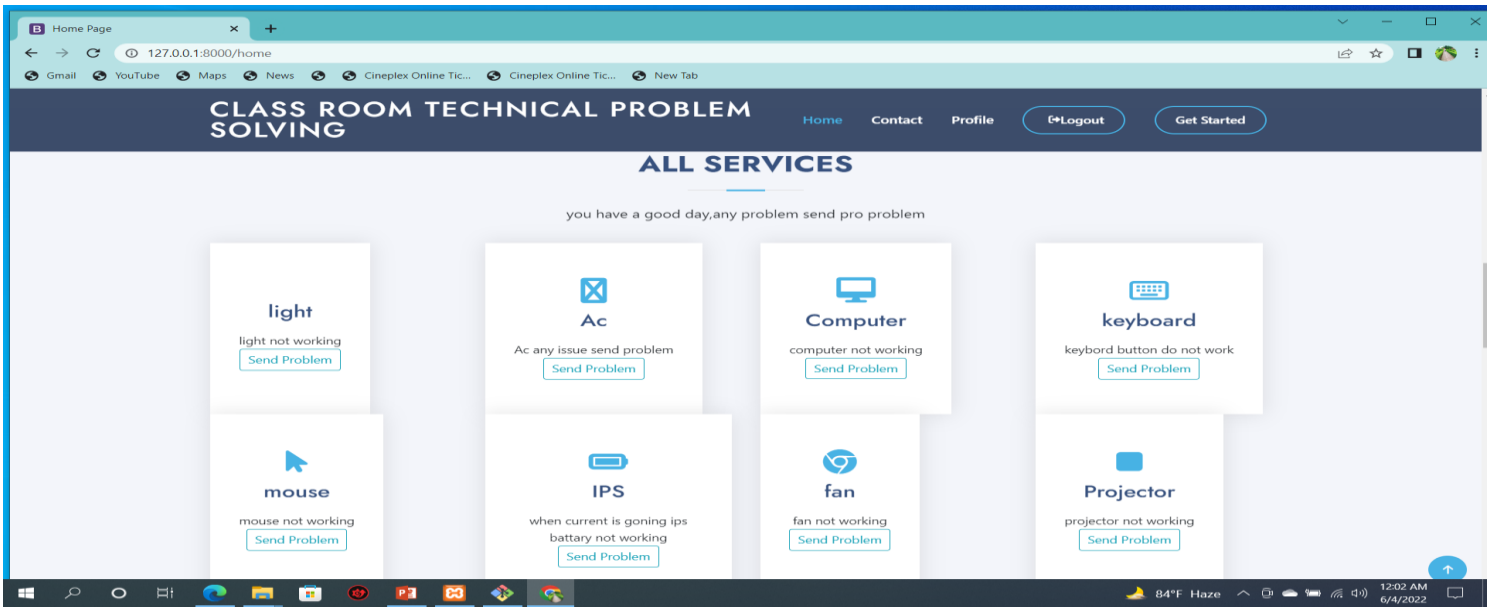
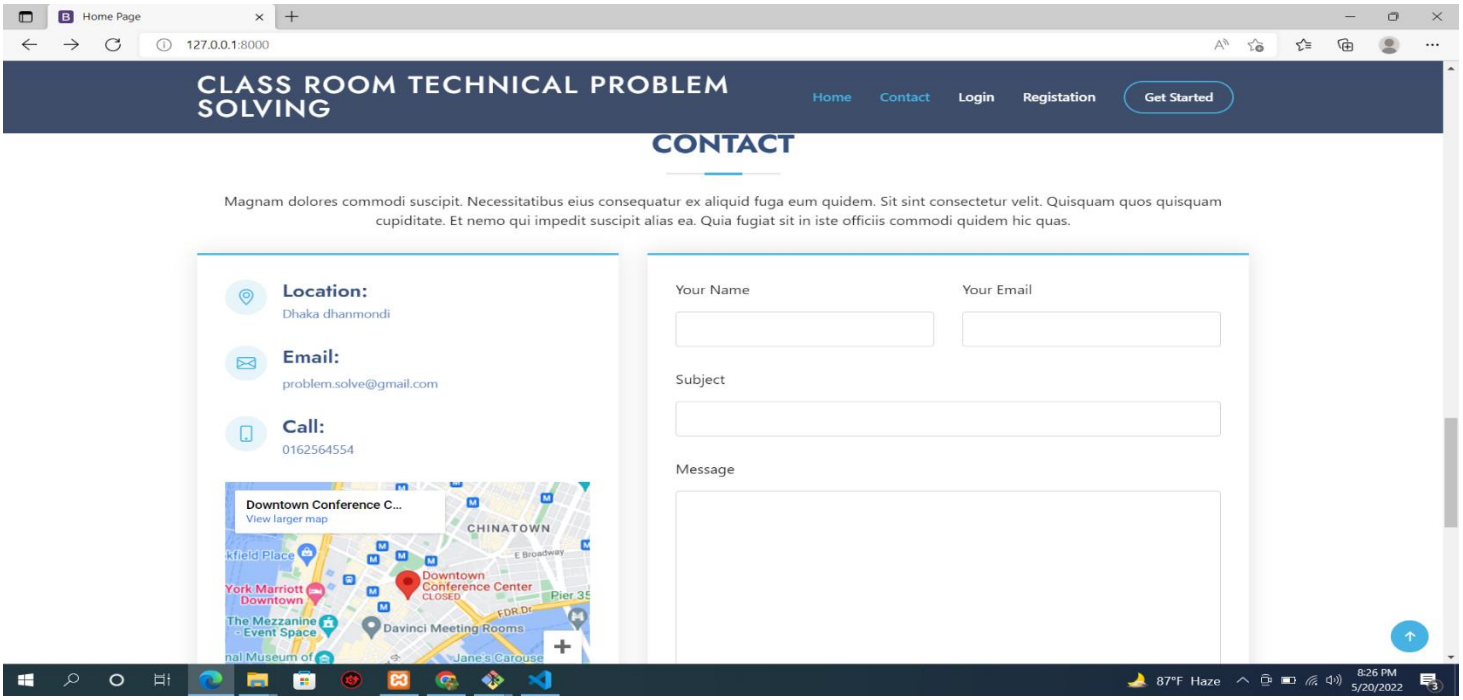


Figure 5.1:Dashboard

5.1.2 Dashboard





Figur 5.1:Dashboard

5.2 Registration

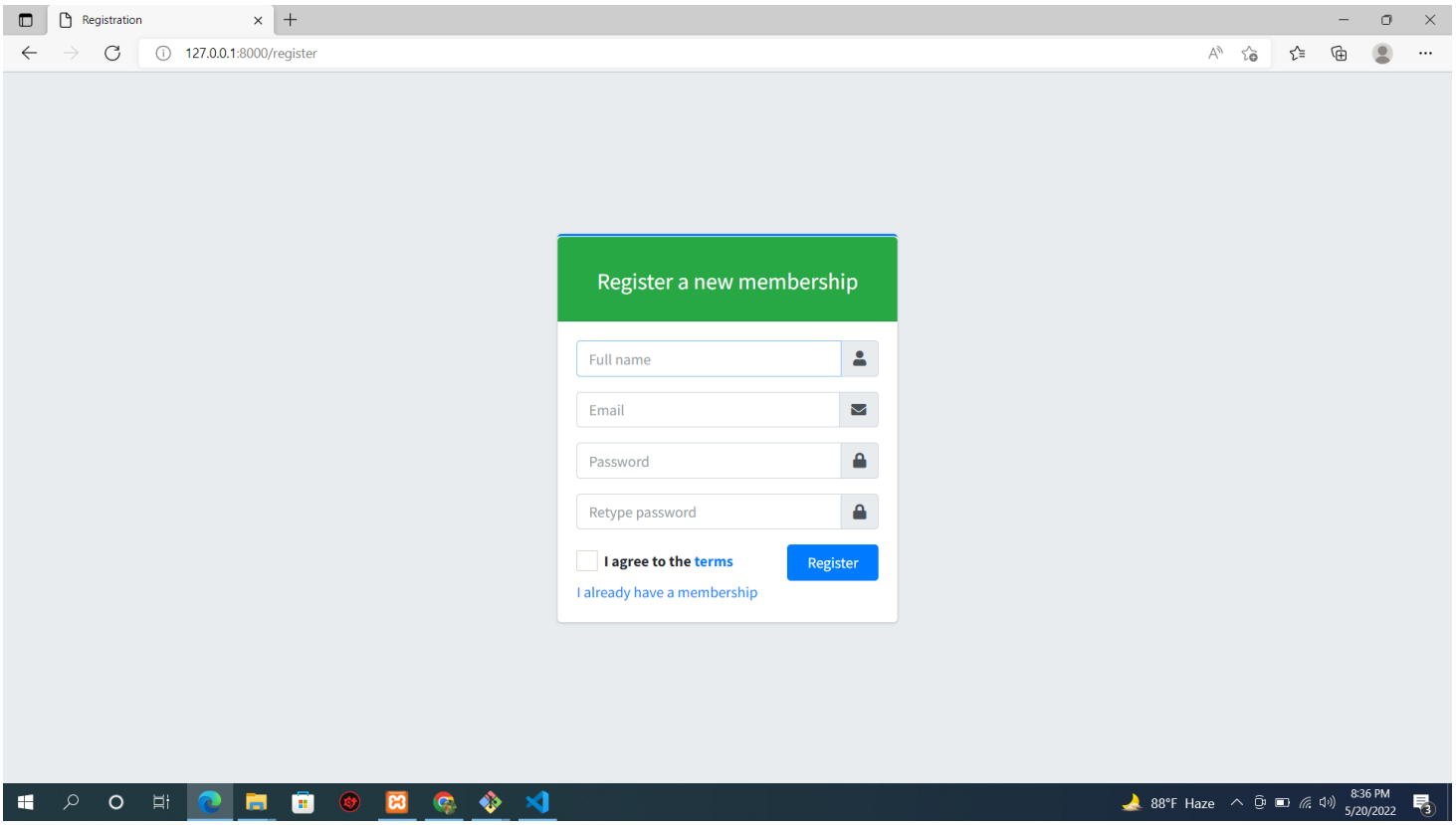


Figure5.2:Registration

5.3 Login

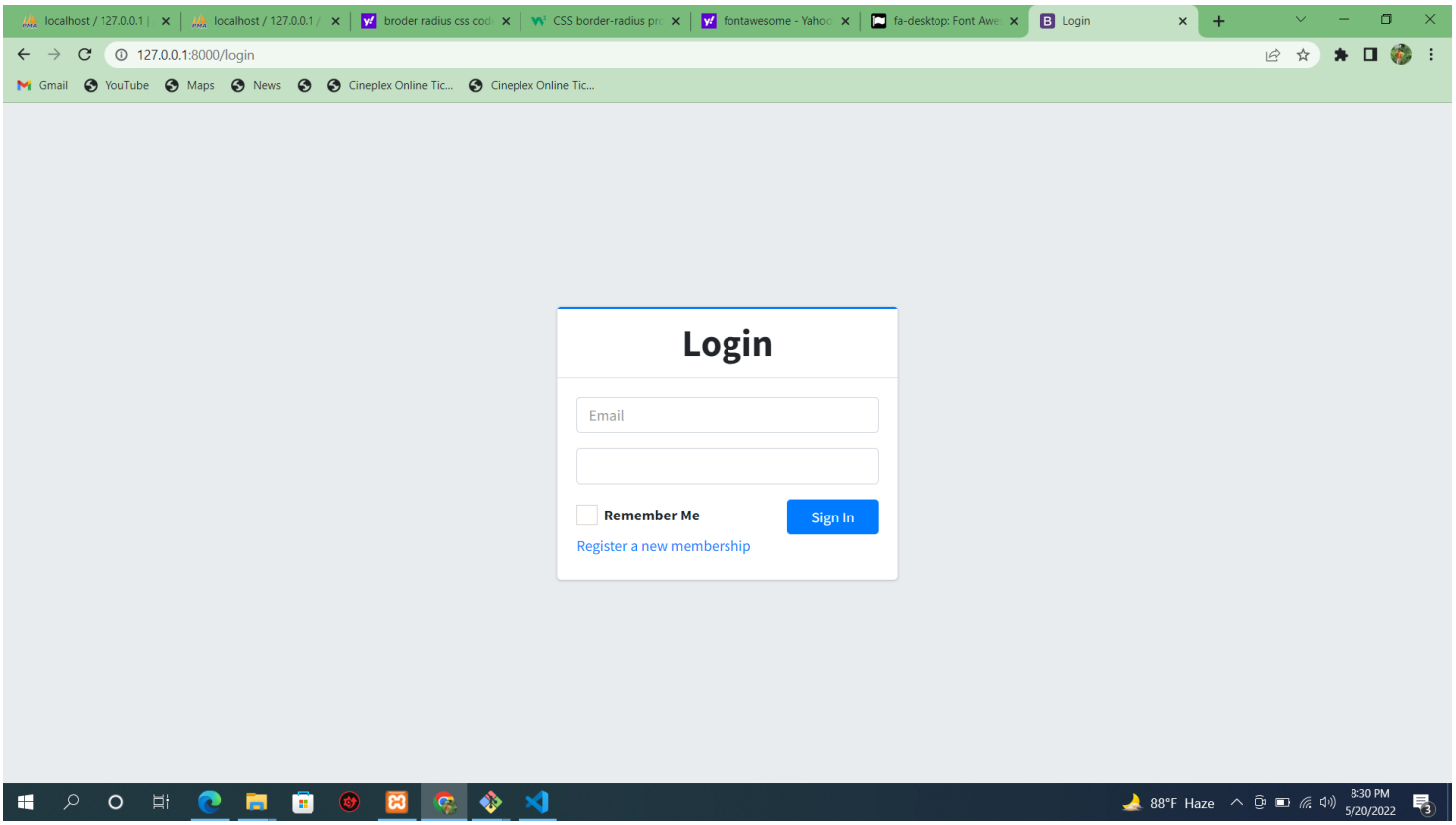


Figure 5.3:Login

5.4 View Profile

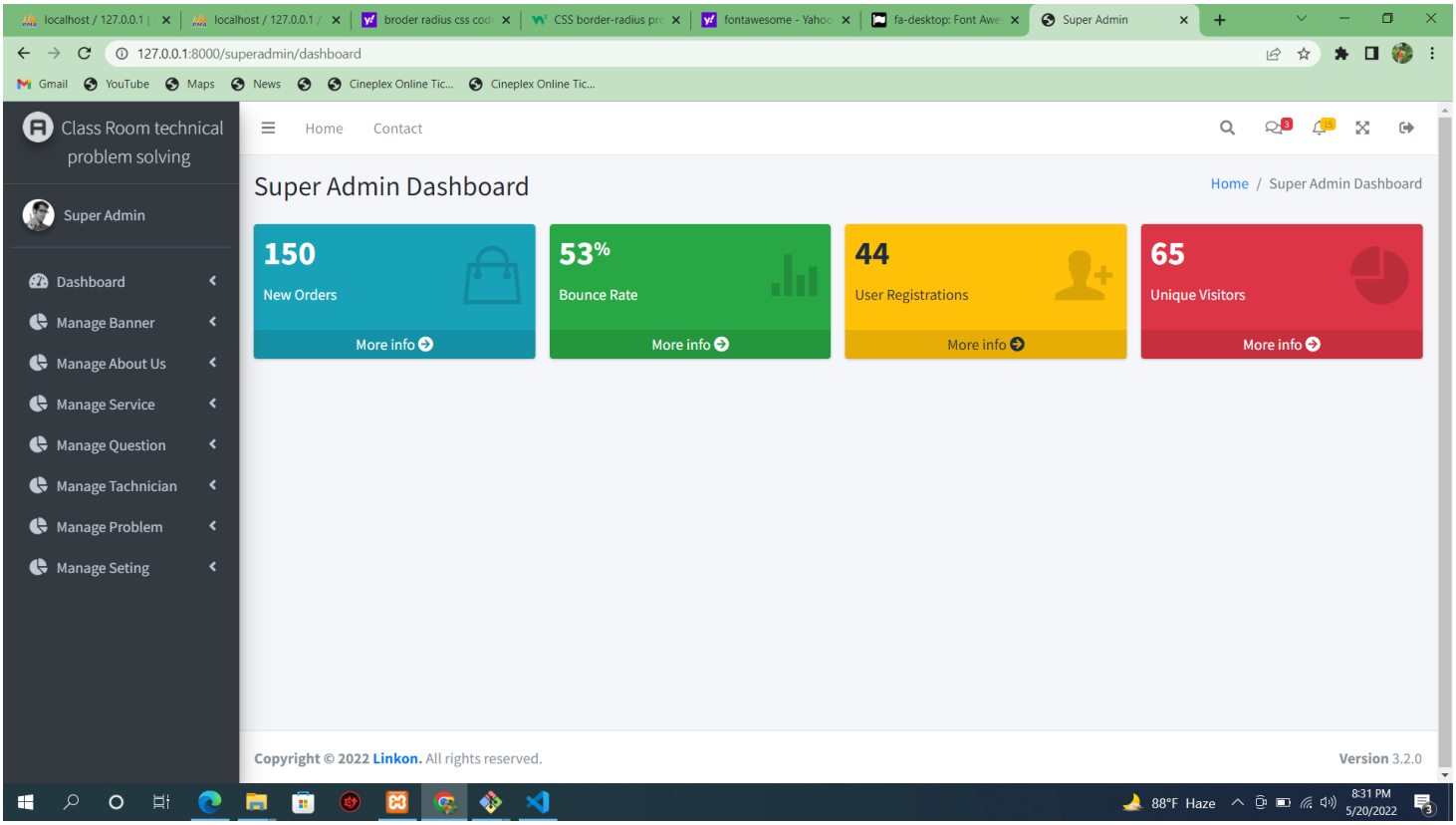


Figure 5.4:View Profile

5.5 Banner Manage

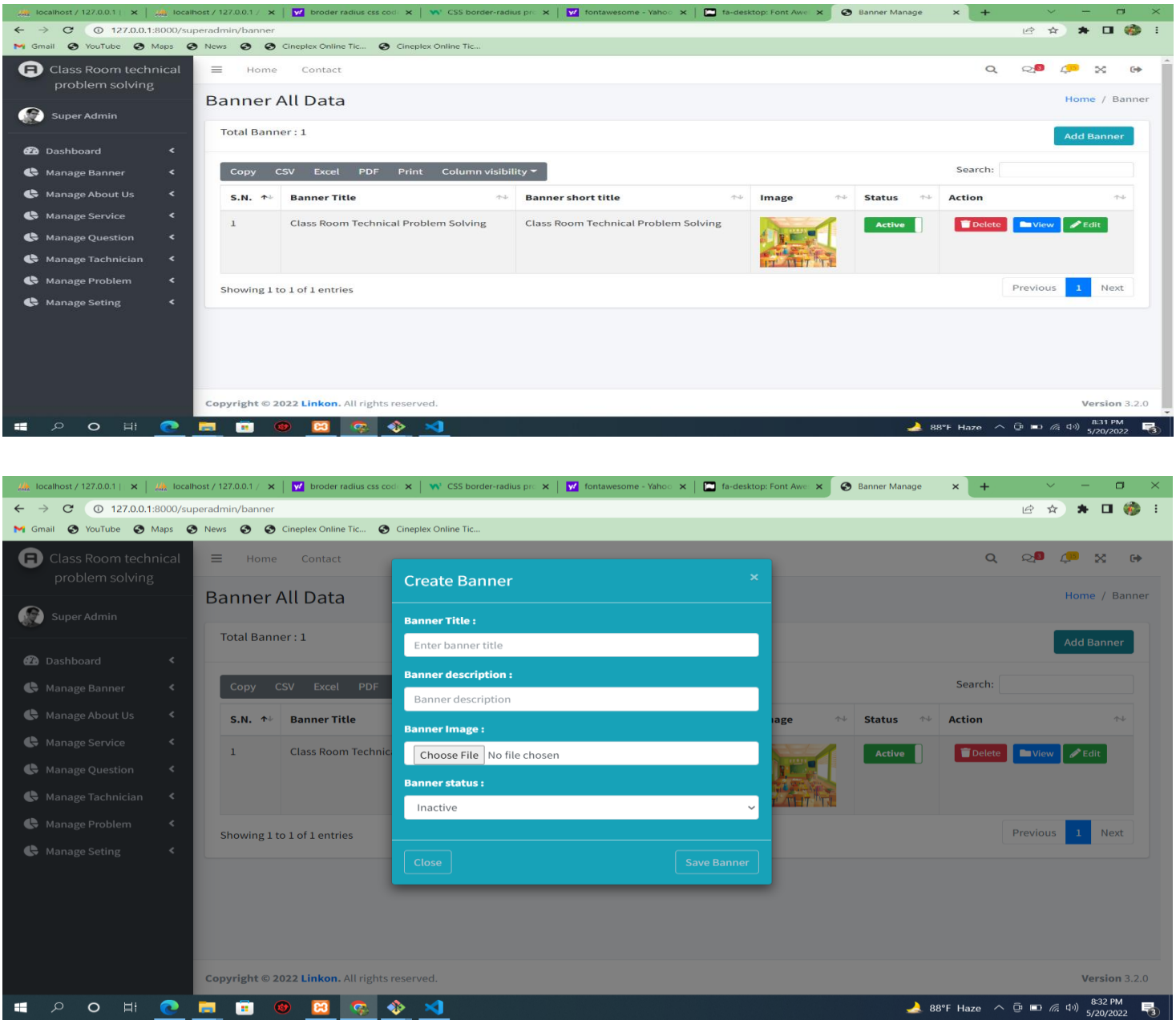


Figure 5.5:Banner manage

5.6 Service manage

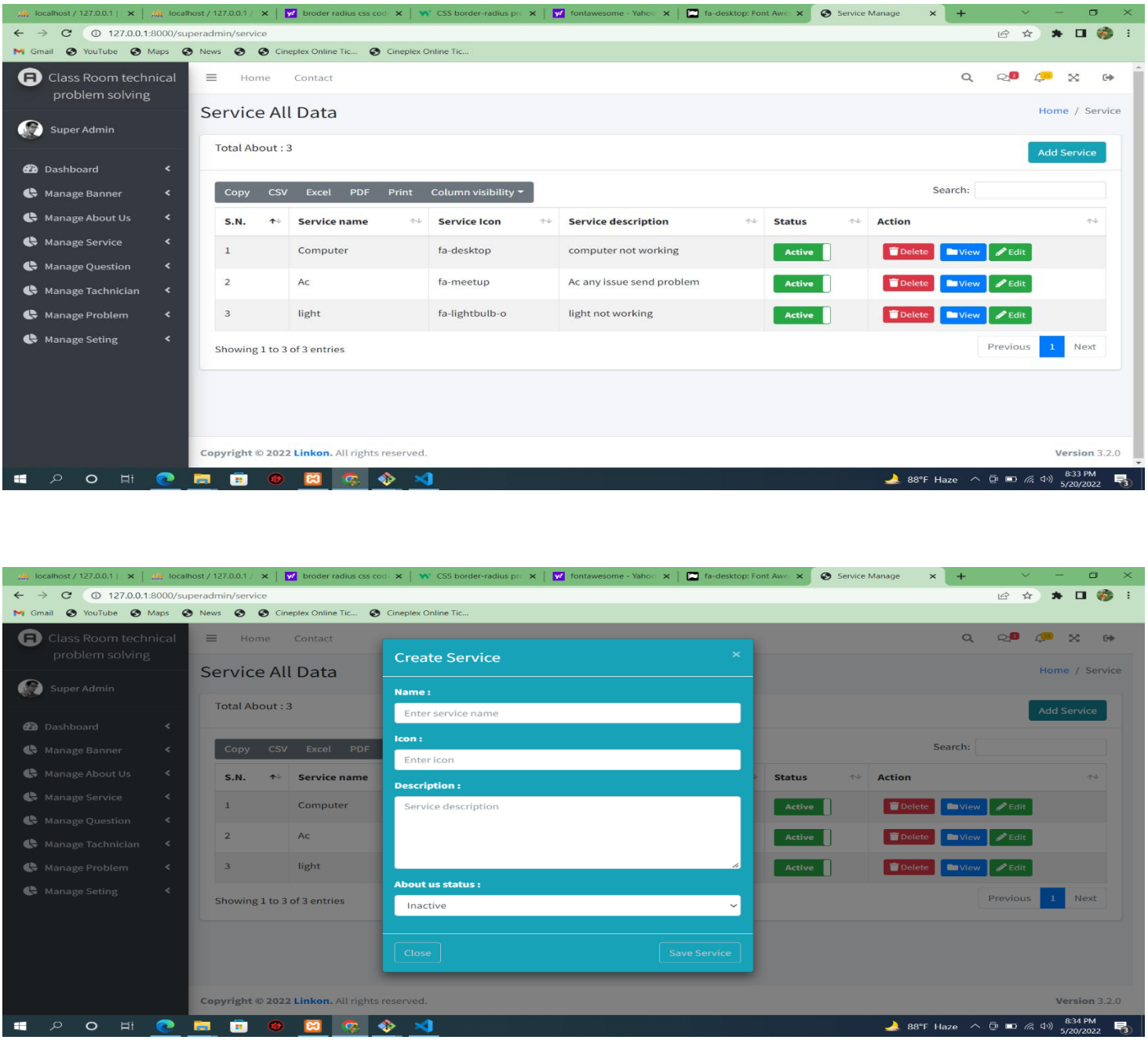


Figure 5.6:Service manage

5.7 Manage Technician

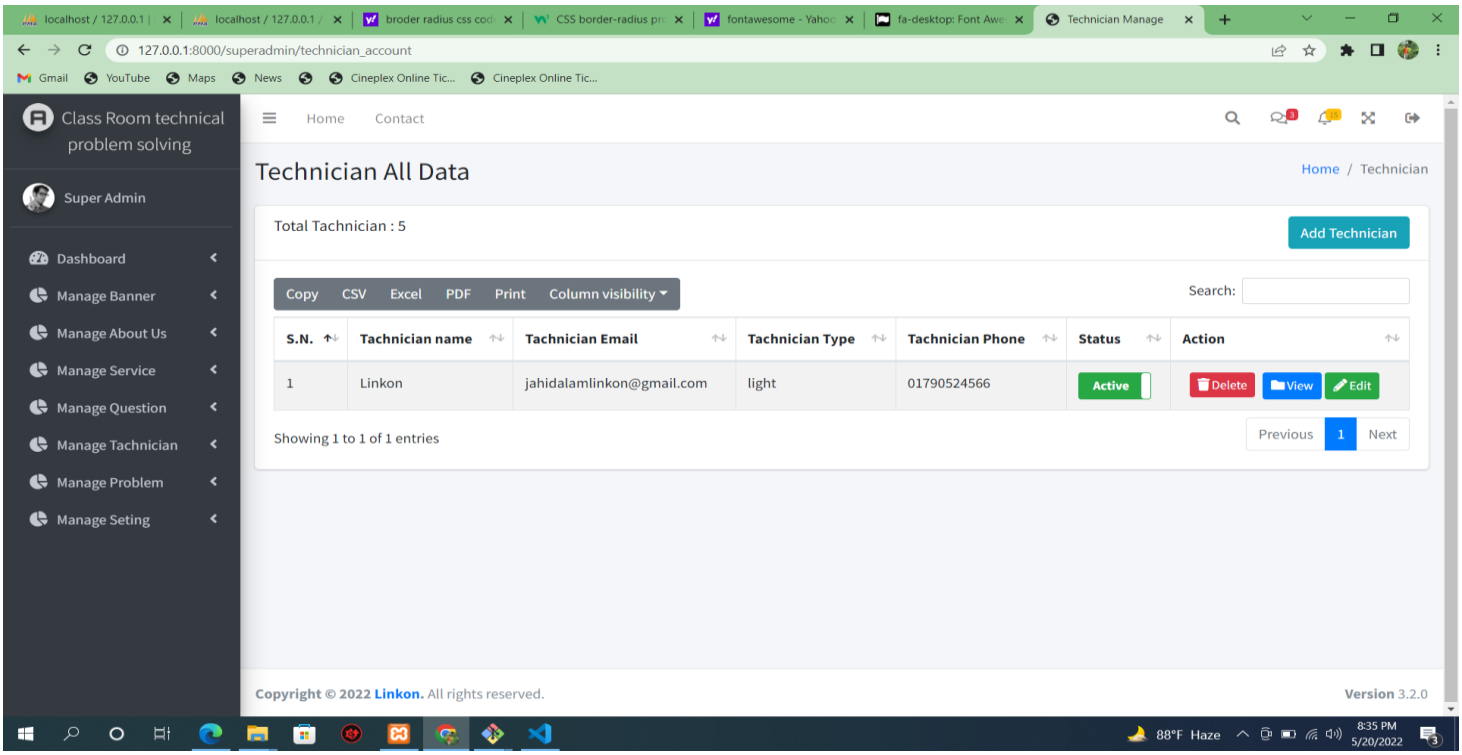


Figure 5.6: manage Technician

5.7 Problem manage

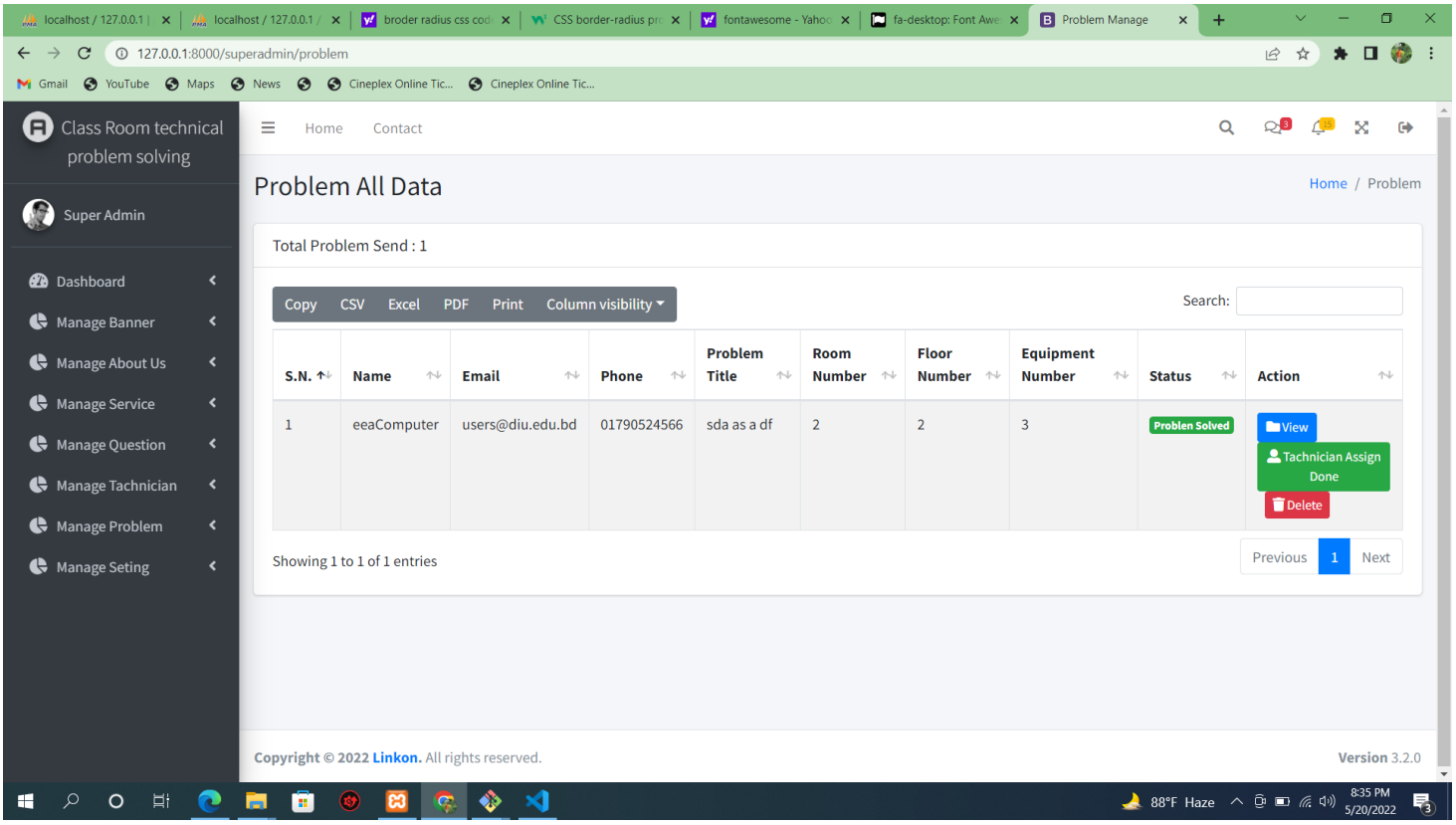


Figure 5.7:Problem manage

5.8 Setting update

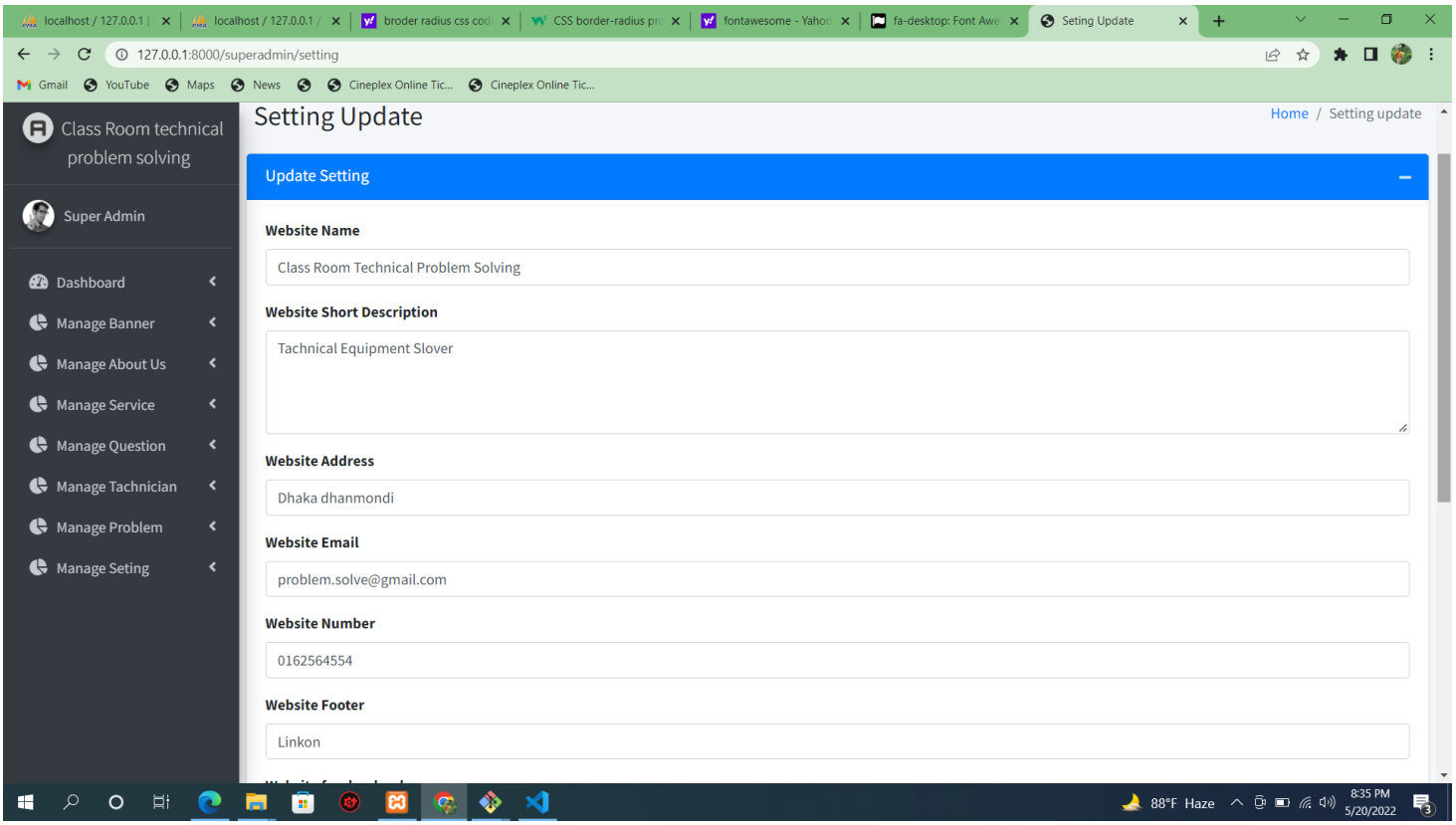


Figure 5.8:Setting Update

5.9 Logout

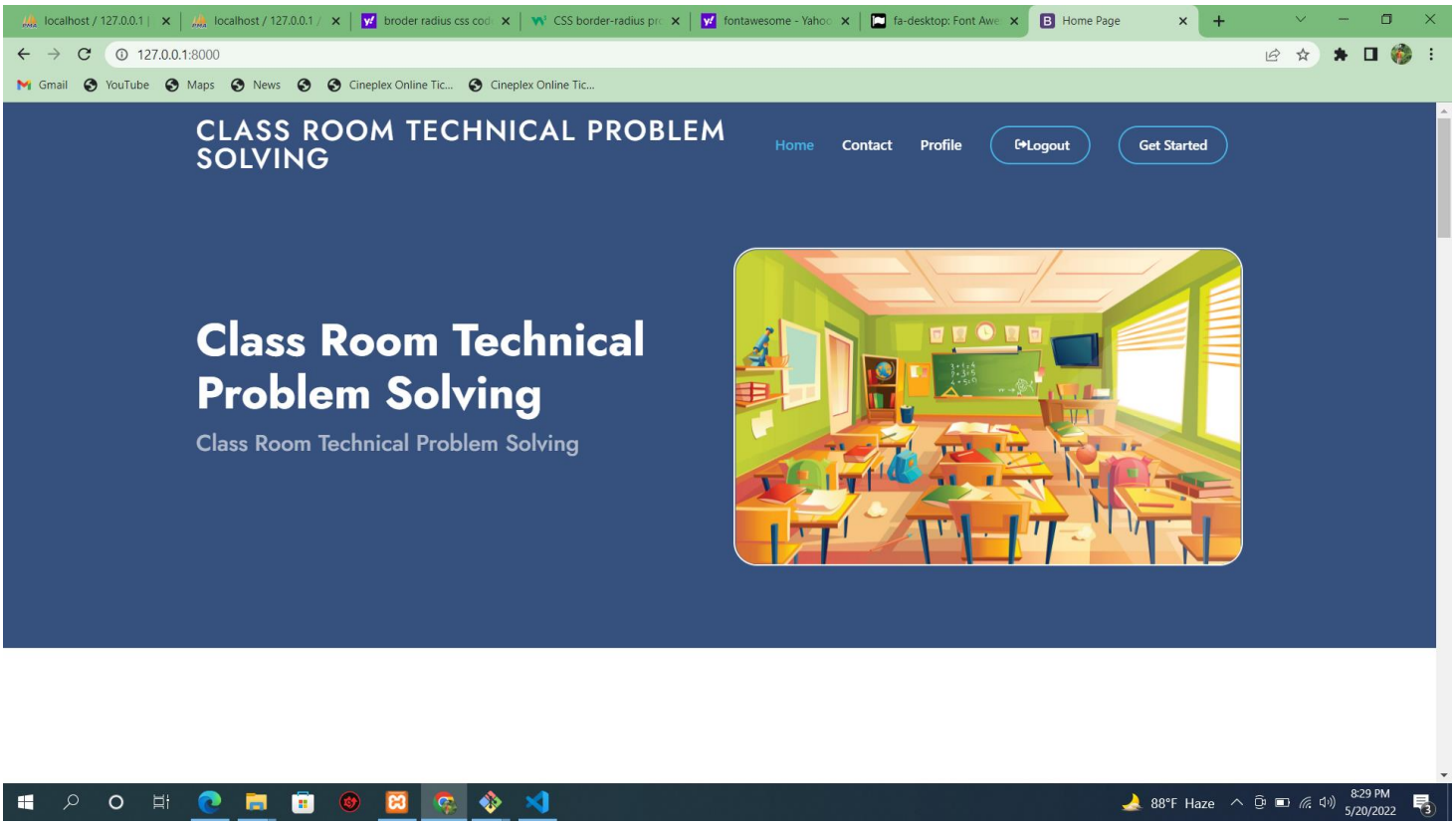


Figure 5.9:Logout

CHAPTER 6

CONCLUSION

6.1 Project Summery

This paper is made in general and through technology. The main purpose of this paper is to tell the department if there is any fault in the classroom, such as computer AC projector light, any technical fault. Can take quick action because if there is a technical problem then it is a waste of our time, if there is any error or problem in our technology then we need to create an account on that website so that if the problem is sent then we can see the update. The problem is it will save us time, after sending the problem, the admin will see the technician and hand over to the crow technician and then hand him over. Collected and sent to technician, technician will solve problem and give feedback, then everyone will see in that feedback system work will be faster, our reading quality will increase, moreover this website will give many opportunities so that we can improve day by day using technology which is valuable to us. Save time.

6.2 Limitation

- Not fully responsive
- It is a web-based system only
- This system is not a certified system
- Not fully secure

6.3 Obstacles and Achievement

To walk within the great way, one's meet many obstacles and then they get some achievement. I thought I even done it by taking help from my friends, Supervisor, Co-

Supervisor and searching many things and answer from Google. I achieve the confident to finish this project by myself.

6.4 Future Scope

- Mobile application can be developed
- A certified system can be developed.

REFERENCE

To work with this project I have studied over some website to learn their facilities and limitations. My target is to provide something newer which can help every day life.

[1] Tin Berners-Lee, Learn about HTML,June-8-1989
Available at: https://www.w3schools.com/html

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