



**Daffodil**  
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**A Project report on “Travel Bridge”**

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This project has been submitted in fulfillment of the requirements for the degree of  
Bachelor of Science in Software Engineering.

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# APPROVAL OF PROJECT

## APPROVAL

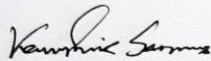
This project titled on "Travel Bridge", submitted by Moumita Goswami, ID: 181-35-2298 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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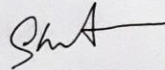
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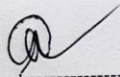
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# DECLARATION

I hereby declare that I have done this project under the supervision of Ms. Fatama Binta Rafiq , Lecturer, Department of Software Engineering, 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.

Submitted By:



Moumita Goswami

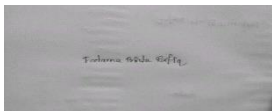
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## **ACKNOWLEDGEMENT**

I would like to express my heartfelt gratitude to the Almighty Allah who offered upon my family and me kind care throughout this journey until the fulfilment of this project.

Also I would like to thank my honorable supervisor Ms. Fatama Binta Rafiq, Lecturer, Department of Software Engineering, Daffodil International University for their proper guidance, help, support and co-operation. Without whom this project work would not be complete.

I would like to thank my entire course mate in Daffodil International University, who took part in this discuss while completing the course work. Finally, I am such a great amount of grateful to my parents that, I was constantly supported by them. They always prioritize my opinion and inspired me also.

## **ABSTRACT**

“**Travel Bridge**” is an online based multi-vendor booking system, where tourist or traveler can book their tour arrangements via online, and they can choice their suitable one with a good offer. In this system different vendor can upload their services which provide a good discount vendor can upload, add, delete their management’s services and tourist can see all the services of different vendors and they can choose one and book the suitable one which they effort and tourists also can cancel their booking if they have any problem. The travel agency and tourist both can track the guides location and see where they are. This is the most important feature of this system. This system provides a good security of the tourist information and all data will save. Online tour booking system is very useful for the present world. Here other country’s people can know about another country’s tourist spot, the advantages of the services etc.

# TABLE OF CONTENT

Table of Contents .....	i
APPROVAL OF PROJECT .....	i
DECLARATION .....	ii
ACKNOWLEDGEMENT .....	iii
ABSTRACT.....	iv
TABLE OF CONTENT .....	v
LIST OF FIGURES .....	x
CHAPTER 1 .....	1
INTRODUCTION .....	1
1.1 Project Overview .....	2
1.2 Project Purpose.....	3
1.2.1 Benefits .....	3
1.3 Stakeholders .....	4
1.3.1 Admin .....	4
1.3.2 Vendor.....	4
1.3.3 Traveler / Tourist .....	4
1.2 Proposed System Model.....	6
1.3 Modules of this System.....	7
1.3.1 Focused Module.....	7
1.4 Objectives.....	8
CHAPTER 2 .....	9
REQUIREMENT ENGINEERING.....	9
2.1 Functional Requirement .....	10
2.1.1 Login/ Logout .....	10
2.1.2 Registration .....	10

2.1.3 Profile.....	10
2.1.4 Edit Profile .....	11
2.1.5 View Profile .....	11
2.1.6 Booking.....	11
2.1.7 Changing Booking .....	11
2.1.8 View booking details .....	11
2.1.9 Payment.....	12
2.1.10 View Payment.....	12
2.1.11 Discount .....	12
2.1.12 Tracking Location or Guide Tracking .....	12
2.1.13 View Reviews .....	12
2.2 Non-Functional Requirement.....	13
2.2.1 Performance .....	13
2.2.2 Capacity .....	13
2.2.3 Reliability.....	13
2.2.4 Security .....	14
2.2.5 Maintainability .....	14
2.2.6 Availability .....	14
CHAPTER 3 .....	15
SYSTEM ANALYSIS, DESIGN AND SPECIFICATION .....	15
3.1 Development Model.....	16
3.2 Use-Case Diagram.....	17
3.3 Use-Case Description.....	18
3.3.1 Sign up .....	18
3.3.2 Login .....	19
3.3.3 Profile.....	20
3.3.4 Edit Profile.....	21

3.3.5 View Profile .....	22
3.3.6 Booking.....	23
3.3.7 View booking details .....	24
3.3.8 View Site Details .....	25
3.3.9 Payment.....	26
3.3.10 View Payment.....	27
3.3.11 Discount .....	27
3.3.12 View Reviews .....	28
3.3.13 Guide Tracking .....	28
3.4Activity Diagram.....	29
3.4.1 Sign up .....	29
3.4.2 Sign in / login.....	30
3.4.3 Profile.....	31
3.4.4 Edit Profile .....	32
3.4.5 View Profile .....	33
3.4.6 Booking.....	34
3.4.7 Change Booking.....	35
3.4.8 View Booking Details.....	36
3.4.9 Payment.....	37
3.4.10 View Payment.....	38
3.4.11 Discount .....	39
3.4.12 View Reviews .....	40
3.4.13 Guide Tracking .....	41
3.5 Sequence Diagram.....	42
3.5.1 Sign up .....	42
3.5.2 Sign in/Login .....	43
3.5.3 Profile.....	44



3.5.4 Edit Profile .....	44
3.5.5 View Profile .....	45
3.5.6 Booking .....	45
3.5.8 View Booking Details .....	46
3.5.9 Payment .....	47
3.5.10 View Payment .....	47
3.5.11 Discount .....	48
3.5.12 View Review .....	48
3.6 Entity Diagram .....	49
CHAPTER 4 .....	50
SYSTEM TESTING .....	50
4.1 Feature Testing .....	51
4.1.1 Tested Feature .....	51
4.2 Testing Strategies .....	52
4.2.1 Test Approach .....	52
4.2.2 Pass / Fail Criteria: .....	52
4.2.3 Testing Schedule .....	53
4.2.4 Traceability Matrix .....	54
4.3 Testing Environment .....	55
4.4 Test Cases .....	56
4.4.1 Sign up .....	56
4.4.2 Log in .....	57
-4.4.3 View Profile .....	58
4.4.4 Booking .....	59
4.4.5 View Booking Information .....	60
4.4.6 Change booking .....	61
4.4.7 Payment .....	62

4.4.8 View Payment .....	63
4.4.9 Discount .....	64
4.4.10 Tracking .....	65
4.4.11 Log out .....	66
CHAPTER 5 .....	67
USER MANUAL .....	67
5.1 Login .....	68
5.2 Registration .....	68
5.3 Home page.....	69
5.4 Profile .....	70
5.5 View Profile Details and Edit Profile.....	71
5.6 View Service details.....	72
5.7 Tracking .....	73
5.8 Discount .....	74
5.9 Booking .....	75
CHAPTER 6 .....	76
CONCLUSION .....	76
6.1 Project Summery .....	77
6.2 Limitation .....	77
6.3 Obstacles and Achievement .....	77
6.4 Future Scope.....	78
PLAGIARISM .....	79

## LIST OF FIGURES

<b>Figure</b>	<b>Page No.</b>
Figure 1.1: Proposed System Model	6
Figure 3.1: Agile Model	16
Figure 3.2: Use-Case Diagram	17
Figure- 3.3: Activity Diagram (Signup)	29
Figure- 3.4: Activity Diagram (Login)	30
Figure- 3.5: Activity Diagram (Profile)	31
Figure- 3.6: Activity Diagram (Edit Profile)	32
Figure- 3.7: Activity Diagram (View Profile)	33
Figure- 3.8: Activity Diagram (Booking)	34
Figure- 3.9: Activity Diagram (Change Booking)	35
Figure- 3.10: Activity Diagram (Payment)	36
Figure- 3.11: Activity Diagram (View Payment)	37
Figure- 3.12: Activity Diagram (Discount)	38
Figure- 3.13: Activity Diagram (View Reviews)	39
Figure- 3.14: Activity Diagram (Guide Tracking)	40
Figure- 3.15: Activity Diagram (Login)	41
Figure- 3.16: Sequence Diagram (signup)	42
Figure- 3.17: Sequence Diagram (sign in)	43
Figure- 3.18: Sequence Diagram (Profile)	44
Figure- 3.19: Sequence Diagram (Edit Profile)	44
Figure- 3.20: Sequence Diagram (View Profile)	45
Figure- 3.21: Sequence Diagram (Booking)	45
Figure- 3.22: Sequence Diagram (Change booking)	46
Figure- 3.23: Sequence Diagram (View booking details)	46
Figure- 3.24: Sequence Diagram (Payment)	47
Figure- 3.25: Sequence Diagram (View Payment)	47
Figure- 3.26: Sequence Diagram (Discount)	48
Figure- 3.27: Sequence Diagram (View review)	48
Figure- 3.28: Entity Diagram	49
Figure 5.1: Login	68

Figure 5.2: Registration	68
Figure 5.3: Home Page	69
Figure 5.4: Profile	70
Figure 5.5: View Profile Details and Edit Profile	71
Figure 5.6: View service details	72
Figure 5.7: Tracking	73
Figure 5.8: Discount	74
Figure 5.9: Booking	75

**CHAPTER 1**  
**INTRODUCTION**

## 1.1 Project Overview

Online booking system is an online based software where people can book room, transport, guide, and other things which is important for them. Now a days, tourist can book hotel, catering, transports, and other arrangements via online. By using internet-based technology, people can save their time and save all their important information in a database. In the present situation of world's online technology, the online booking system is very popular for the tourist and traveler.

**“Travel Bridge”** is an online based multi-vendor booking system, where tourist or traveler can book their tour arrangements via online, and they can choice their suitable one with a good offer. In this system different vendor can upload their services which provide a good discount vendor can upload, add, delete their management's services and tourist can see all the services of different vendors and they can choose one and book the suitable one which they effort and tourists also can cancel their booking if they have any problem. The travel agency and tourist both can track the guides location and see where they are. This is the most important feature of this system. This system provides a good security of the tourist information and all data will save. Online tour booking system is very useful for the present world. Here other country's people can know about another country's tourist spot, the advantages of the services etc.

## **1.2 Project Purpose**

There are many travels agency in our country which provides multiple services for the tourists. But sometimes we can see that tourist can not effort all services in one. So that they search other agencies services but it is hard to find a good or perfect amount for him. Sometimes some tourists are prefer to go to another place when they found that there services are not suitable for him. Then is very hard to find suitable one. On the other side, there are not any one platform where people can find all available agencies who provide a good and perfect services with a good amount of discount. So, this is a online based software where people can book the multiple tour agencies services with a good discount. Multiple vendors can upload their discount-based services. All the agency provides all services but the guide tracking is rarely seeing in our country. So, I want to create that type of software where a unique advantage is vendor and tourist both can track their guide location. For that both can see their guide, and tourist safety also providing. The system provide a gallery where all the tourist spot and historical place's information and picture are available so that people can find easily all available places. Tourist can give the review and by seeing the other's reviews other people can find the good one.

### **1.2.1 Benefits**

- To create a multi-vendor platform for all the traveler
- To provide all tourist services on one platform
- Offer all the discount package through one platform
- To make the booking system too easier for the traveler
- To make the system a good resourceful
- To create a good community that will help the tourist to find their suitable services
- To provide 100% safety for the tourist's information
- To ensure information blog, videos and gallery.
- To provide tracking system.

### **1.3 Stakeholders**

According to a project and the project management the project stakeholders will be “a person, a group, or a organization who will be influenced and affected by in a decision, activities or the outcome of the project.”

So, I have 3 stakeholders.

- Admin
- Vendor
- Traveler/Tourists

#### **1.3.1 Admin**

Admin are the main authority of the whole system, who will manage the full system. Admin controls all activities, all users access of the system. Admin can approve the registration of vendors, the reviews, comments, uploads, and other user validation. Admin can manage the system and gives the assistance other user.

#### **1.3.2 Vendor**

Vendor are the important role for the system. At first, they register themselves and create their own account and then they upload all of their services which provide a good amount of discount and post on the system. Vendors can edit, delete, and update their post and update their profile also. As this system is a multi-vendor system , so all vendor can see others post and services. All vendors provide the location tracking system. And they also provide the record if it is necessary.

#### **1.3.3 Traveler / Tourist**

Travelers are the most important stakeholder in this system. They are the main assets for this system. Traveler can see all the services and discount by using filter option and book them and also track the guide through the system. when a traveler chooses their suitable services, they have to sign in themselves to book the service. And if they have



not any account they have to register first. All travelers can give review and one can see others review. This system helps the traveler to find the helpful services. Traveler can see the gallery and the videos which is help them to find the most beautiful places of Bangladesh.

## 1.2 Proposed System Model

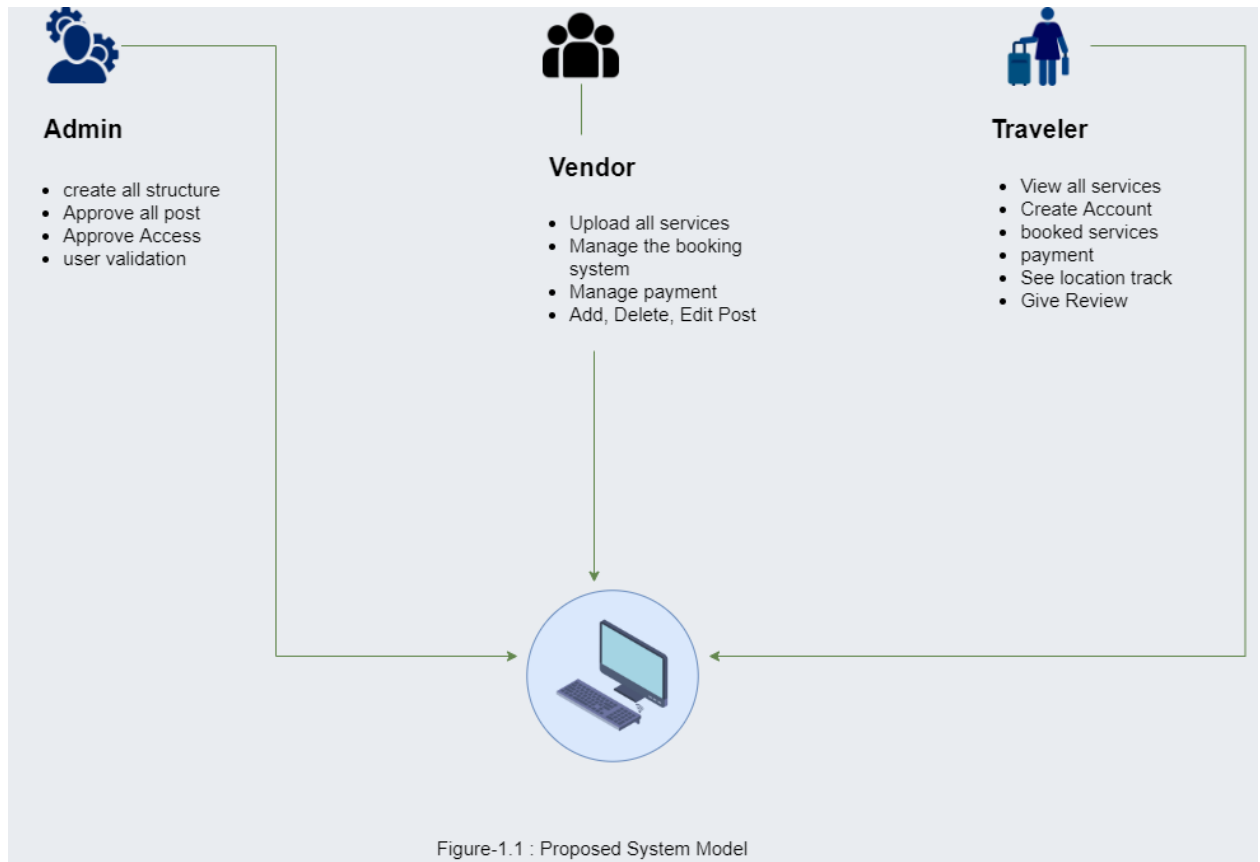


Figure 1.1: Proposed System Model

### **1.3 Modules of this System**

- Login: Used for users' authentication
- Registration: Used for managing the all user for the system
- Traveler module: Used for traveler information
- Booking Module: Used for managing booking system
- Tracking Module: Used for tracking guide and location
- Payment Module: Used for payment management
- Vendor Module: Used for vendor information
- Upload Module: Used for upload Image and Videos in the gallery
- View Services Module: Used for viewed all services and details

#### **1.3.1 Focused Module**

- Login – After providing a correct password and user name users can logs in to the system. Here traveler have to login when he/she can book any services and vendors have to login when he wants to use the system as a vendor.
- Registration – If any user has not any account, he has to register himself first. User can register by inserting name, email, password. One person can register in one time.
- Traveler Module – After login traveler can see traveler portal. In this module traveler can add their information, update their information, previous booking, payment etc.
- Vendor Module – After login vendor can see vendors portal. In this module vendor can add their information, update their information. Vendor can add, delete, edit their services.
- Booking Module – After choosing the suitable services, traveler can book the service by fill up the booking form. All the process is done through the online.

- Upload Module – After login admin, vendor can upload their services, photo, videos.
- Payment Module – For the bill paying users can use this module.

#### **1.4 Objectives**

- Discount will be focused
- Online Resources are available
- Location/Guide tracking system
- All services of multi-vendor in one system

# **CHAPTER 2**

## **REQUIREMENT ENGINEERING**

## 2.1 Functional Requirement

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

<b>FR 1</b>	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 upload something or view any details.
Stakeholders	Traveler, Vendor

### 2.1.2 Registration

<b>FR 2</b>	Registration
Description	User must be registration for log in to the system.
Stakeholders	Traveler, Vendor

### 2.1.3 Profile

<b>FR 3</b>	Profile
Description	Every user has a profile portal. They can see the messages and reviews also.
Stakeholders	Traveler, Vendor

#### 2.1.4 Edit Profile

<b>FR 4</b>	Edit Profile
Description	User can edit their information of their profile
Stakeholders	Traveler, Vendor

#### 2.1.5 View Profile

<b>FR 5</b>	View Profile
Description	After editing or not editing users can see their profile information.
Stakeholders	Traveler, Vendor

#### 2.1.6 Booking

<b>FR 6</b>	Booking
Description	Traveler can book services
Stakeholders	Traveler

#### 2.1.7 Changing Booking

<b>FR 7</b>	Changing Booking
Description	Traveler can change the booking option if they want to change.
Stakeholders	Traveler

#### 2.1.8 View booking details

<b>FR 8</b>	View Booking Details
Description	After booking user can view the details of booking
Stakeholders	Traveler, Vendor

### 2.1.9 Payment

<b>FR 9</b>	Payment
Description	User can pay their bill or take the bill by using 2 methods (Cash, Card)
Stakeholders	Traveler, Vendor

### 2.1.10 View Payment

<b>FR 10</b>	View Payment
Description	User can see their payment history
Stakeholders	Traveler, Vendor

### 2.1.11 Discount

<b>FR 11</b>	Discount
Description	User can see all available discount for the services
Stakeholders	Traveler, Vendor

### 2.1.12 Tracking Location or Guide Tracking

<b>FR 12</b>	Tracking location/ Guide Tracking
Description	User can track the guide location
Stakeholders	Traveler, Vendor

### 2.1.13 View Reviews

<b>FR 13</b>	View Review
Description	Vendor can see the reviews
Stakeholders	Vendor



## 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

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

### 2.2.2 Capacity

<b>NFR 2</b>	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

<b>NFR 3</b>	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 AND 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

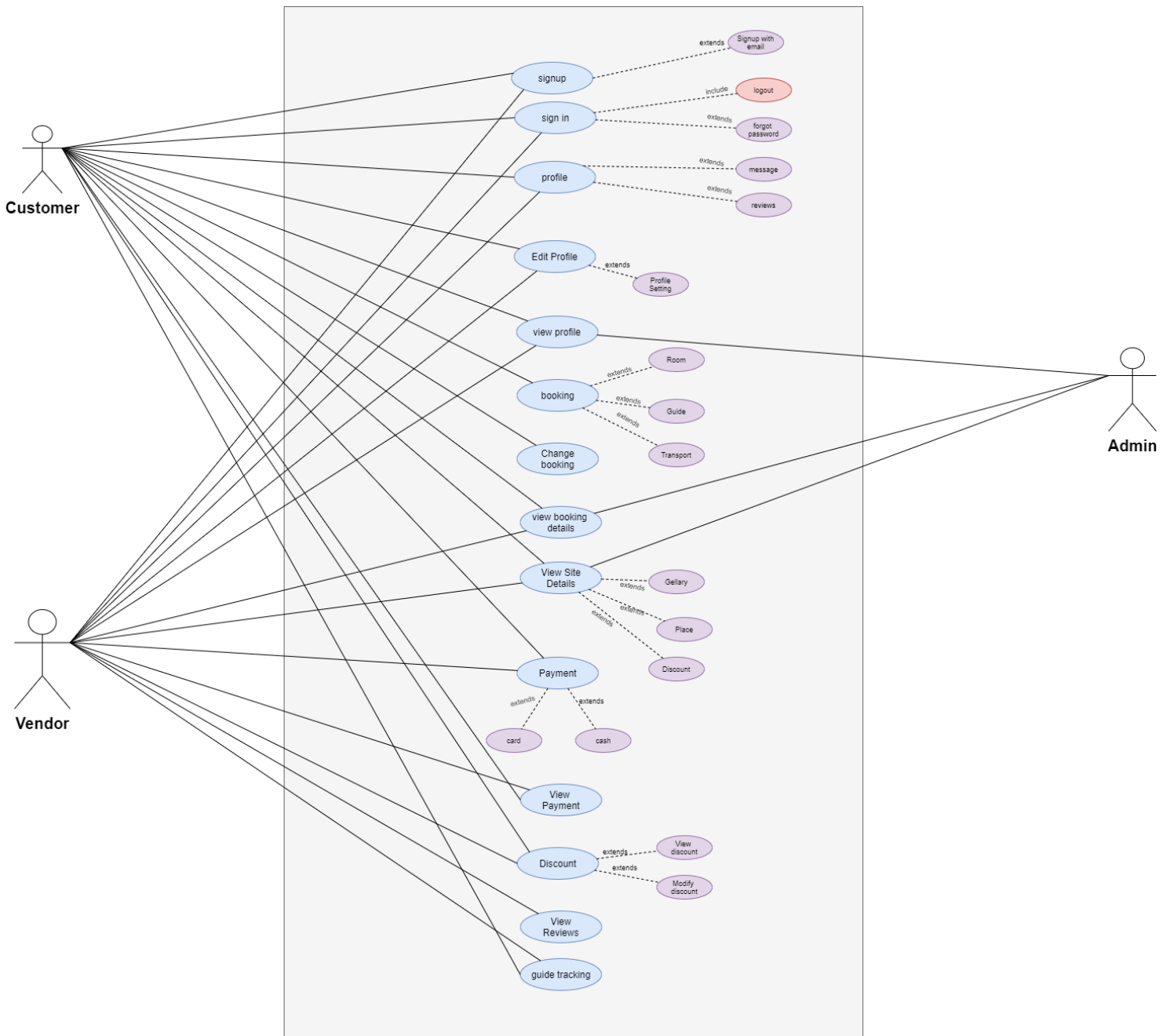


Figure 3.2: Use-Case Diagram

### 3.3 Use-Case Description

#### 3.3.1 Sign up

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

### 3.3.2 Login

User should login or sign in to the system by inserting their correct email and password. If the user has not any account, then at first, he has to register himself.

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

### 3.3.3 Profile

<b>Use Case ID</b>	UC-03	
<b>Use Case Name</b>	Profile	
<b>Goal</b>	Access into user profile	
<b>Preconditions</b>	User must login to the system	
<b>Primary Actor</b> <b>Secondary Actor</b>	Tourist, Vendor	
<b>Trigger</b>	Button	
<b>Description /</b> <b>Main success</b> <b>scenario</b>	<b>Step</b>	<b>Action</b>
	1	To login
	2	To access user profile
<b>Post Condition</b>	User can view and edit profile	
<b>Alternative Flow</b>	N/A	



### 3.3.4 Edit Profile

<b>Use Case ID</b>	UC-04	
<b>Use Case Name</b>	Edit Profile	
<b>Goal</b>	To edit or update user profile information	
<b>Preconditions</b>	User must access his own profile first	
<b>Primary Actor</b> <b>Secondary Actor</b>	Tourist, Vendor	
<b>Trigger</b>	Button	
<b>Description / Main success scenario</b>	<b>Step</b>	<b>Action</b>
	1	To enter user own profile
	2	Edit or update user's profile information
	3	Confirm the updated information and save it.
<b>Post Condition</b>	User can view profile details	
<b>Alternative Flow</b>	N/A	

### 3.3.5 View Profile

<b>Use Case ID</b>	UC-05	
<b>Use Case Name</b>	View Profile	
<b>Goal</b>	User can view their profile details.	
<b>Preconditions</b>	User must login to the system	
<b>Primary Actor</b> <b>Secondary Actor</b>	Tourist, Vendor	
<b>Trigger</b>	Button	
<b>Description /</b> <b>Main success</b> <b>scenario</b>	<b>Step</b>	<b>Action</b>
	1	To enter into user's own profile
	2	View profile
<b>Post Condition</b>	User can view their profile details any time with login	
<b>Alternative Flow</b>	N/A	

### 3.3.6 Booking

<b>Use Case ID</b>	UC-06	
<b>Use Case Name</b>	Booking	
<b>Goal</b>	Booking the service	
<b>Preconditions</b>	User must be log in to the system	
<b>Primary Actor</b> <b>Secondary Actor</b>	Tourist	
<b>Trigger</b>	Button	
<b>Description /</b> <b>Main success</b> <b>scenario</b>	<b>Step</b>	<b>Action</b>
	1	Go to booking option
	2	Fill up the booking form with correct information
	3	Confirm and submit
<b>Post Condition</b>	User can view and update the booking information	
<b>Alternative Flow</b>	N/A	

### 3.3.7 View booking details

<b>Use Case ID</b>	UC-07	
<b>Use Case Name</b>	View Booking	
<b>Goal</b>	View the Booking details	
<b>Preconditions</b>	User must login to their account	
<b>Primary Actor</b> <b>Secondary Actor</b>	Tourist	
<b>Trigger</b>	Button	
<b>Description /</b> <b>Main success</b> <b>scenario</b>	<b>Step</b>	<b>Action</b>
	1	Go to Booking option
	2	View booking all previous and present details
<b>Post Condition</b>	User can view all details	
<b>Alternative Flow</b>	N/A	

### 3.3.8 View Site Details

<b>Use Case ID</b>	UC-08	
<b>Use Case Name</b>	View Site Details	
<b>Goal</b>	View the site details (Gallery, All services, All Places, Popular spot)	
<b>Preconditions</b>	User must access into the system	
<b>Primary Actor</b> <b>Secondary Actor</b>	Tourist, Vendor	
<b>Trigger</b>	Button	
<b>Description / Main Success Scenario</b>	<b>Step</b>	<b>Action</b>
	1	Access the system
	2	View all site Details
<b>Post Condition</b>	User can view all details	
<b>Alternative Flow</b>	N/A	

### 3.3.9 Payment

<b>Use Case ID</b>	UC-09	
<b>Use Case Name</b>	Payment	
<b>Goal</b>	Pay all Service Bill and take the bill	
<b>Preconditions</b>	User must Login his/her account	
<b>Primary Actor</b> <b>Secondary Actor</b>	Tourist, Vendor	
<b>Trigger</b>	Button	
<b>Description / Main Success Scenario</b>	<b>Step</b>	<b>Action</b>
	1	Access payment option
	2	Pay the bill or take the bill
	3	Confirm that all payable bill is clear and press “Done”.
<b>Post Condition</b>	User can view the payment details	
<b>Alternative Flow</b>	N/A	

### 3.3.10 View Payment

<b>Use Case ID</b>	UC-10	
<b>Use Case Name</b>	View Payment	
<b>Goal</b>	View all payment history and details	
<b>Preconditions</b>	User must login to his account	
<b>Primary Actor</b> <b>Secondary Actor</b>	Tourist, Vendor	
<b>Trigger</b>	Button	
<b>Description /</b> <b>Main Success</b> <b>Scenario</b>	<b>Step</b>	<b>Action</b>
	1	Access payment option
	2	View all payment
<b>Post Condition</b>	User can view payment	
<b>Alternative Flow</b>	N/A	

### 3.3.11 Discount

<b>Use Case ID</b>	UC-11	
<b>Use Case Name</b>	Discount	
<b>Goal</b>	User can view all kind of discount	
<b>Preconditions</b>	User must access into the system	
<b>Primary Actor</b> <b>Secondary Actor</b>	Tourist	
<b>Trigger</b>	Button	
<b>Description /</b> <b>Main Success</b> <b>Scenario</b>	<b>Step</b>	<b>Action</b>
	1	Access the system
	2	View discount and use them
<b>Post Condition</b>	User can book the services depending on the discount	
<b>Alternative Flow</b>	N/A	

### 3.3.12 View Reviews

<b>Use Case ID</b>	UC-12	
<b>Use Case Name</b>	View Review	
<b>Goal</b>	User can view reviews of their services	
<b>Preconditions</b>	User must access into their account	
<b>Primary Actor</b> <b>Secondary Actor</b>	Vendor	
<b>Trigger</b>	Button	
<b>Description /</b> <b>Main Success</b> <b>Scenario</b>	<b>Step</b>	<b>Action</b>
	1	Access their account
	2	View reviews
<b>Post Condition</b>	User can solve their problem if there are negative reviews	
<b>Alternative Flow</b>	N/A	

### 3.3.13 Guide Tracking

<b>Use Case ID</b>	UC-13	
<b>Use Case Name</b>	Guide Tracking	
<b>Goal</b>	User can track their guide location	
<b>Preconditions</b>	User must access into their account	
<b>Primary Actor</b> <b>Secondary Actor</b>	Tourist, Vendor	
<b>Trigger</b>	Button	
<b>Description /</b> <b>Main Success</b> <b>Scenario</b>	<b>Step</b>	<b>Action</b>
	1	Access the guide tracking option
	2	View guides location
<b>Post Condition</b>	User can know about their guide location	
<b>Alternative Flow</b>	N/A	



### 3.4 Activity Diagram

#### 3.4.1 Sign up

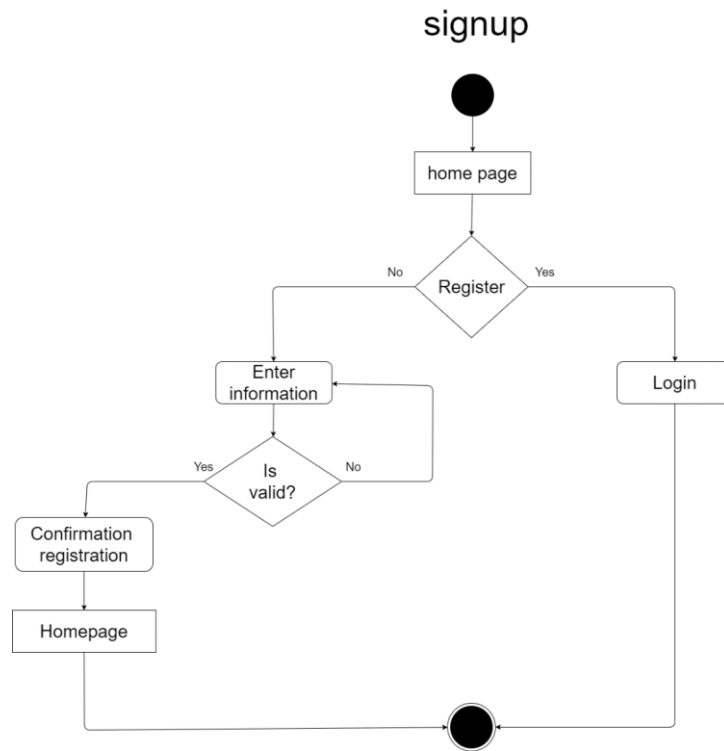


Figure- 3.3: Activity Diagram (Signup)

### 3.4.2 Sign in / login

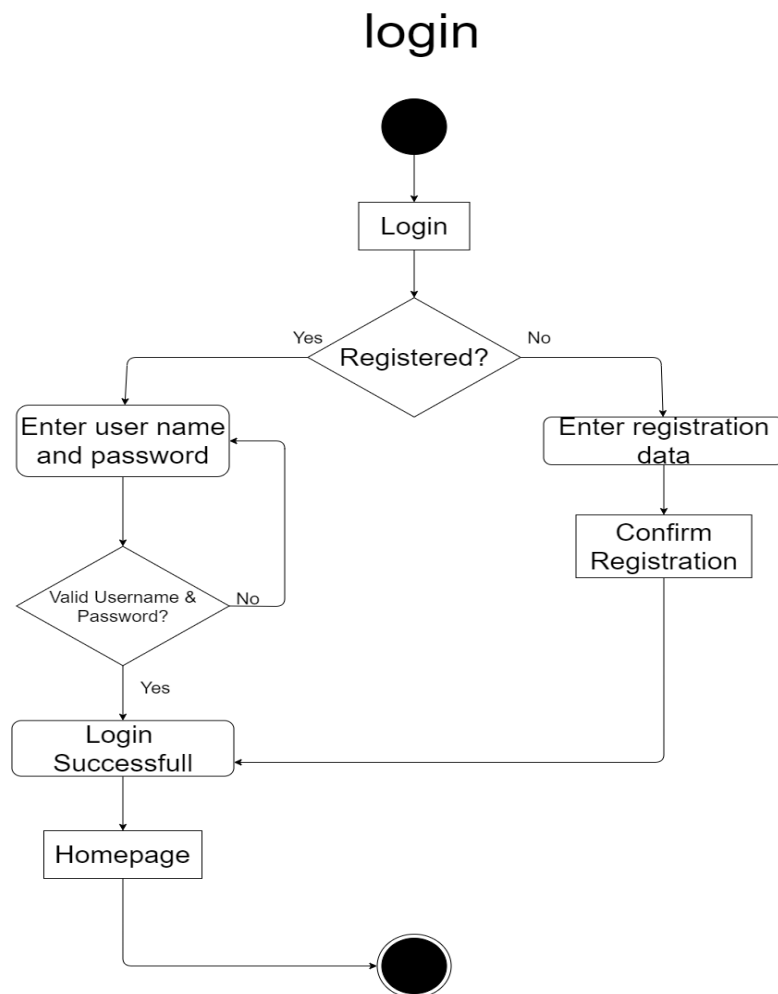


Figure- 3.4: Activity Diagram (Login)

### 3.4.3 Profile

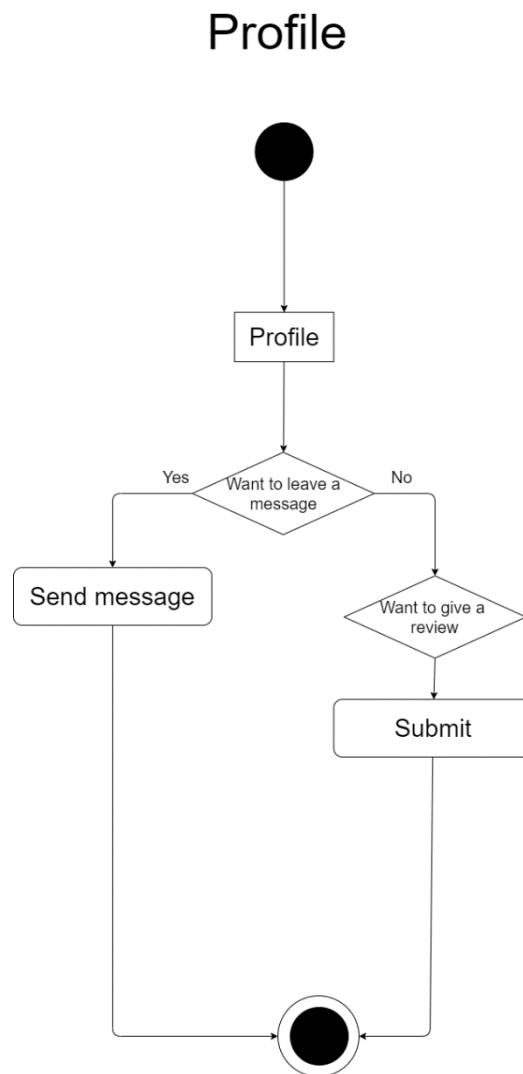


Figure- 3.5: Activity Diagram (Profile)

### 3.4.4 Edit Profile

## Edit Profile

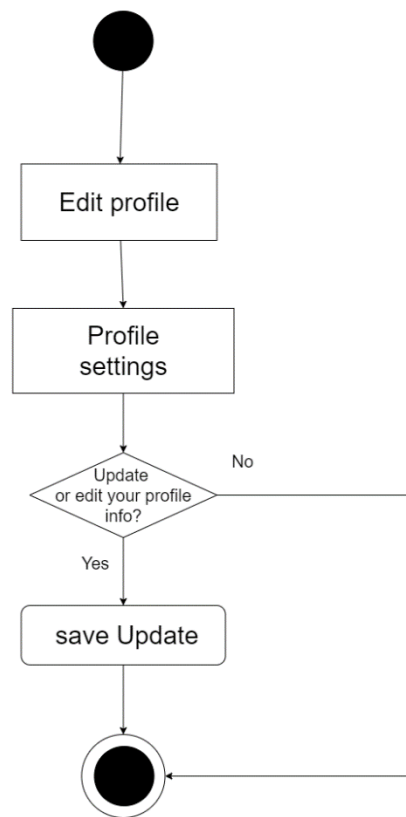


Figure- 3.6: Activity Diagram (Edit Profile)

### 3.4.5 View Profile

## View Profile

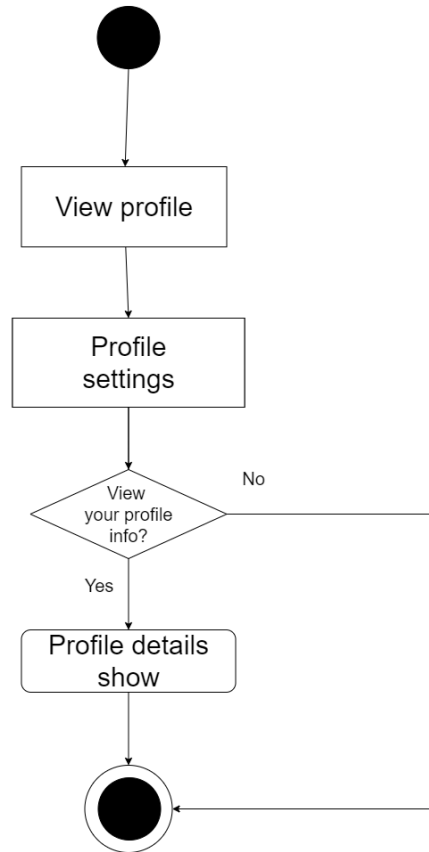


Figure- 3.7: Activity Diagram (View Profile)

### 3.4.6 Booking

## Booking

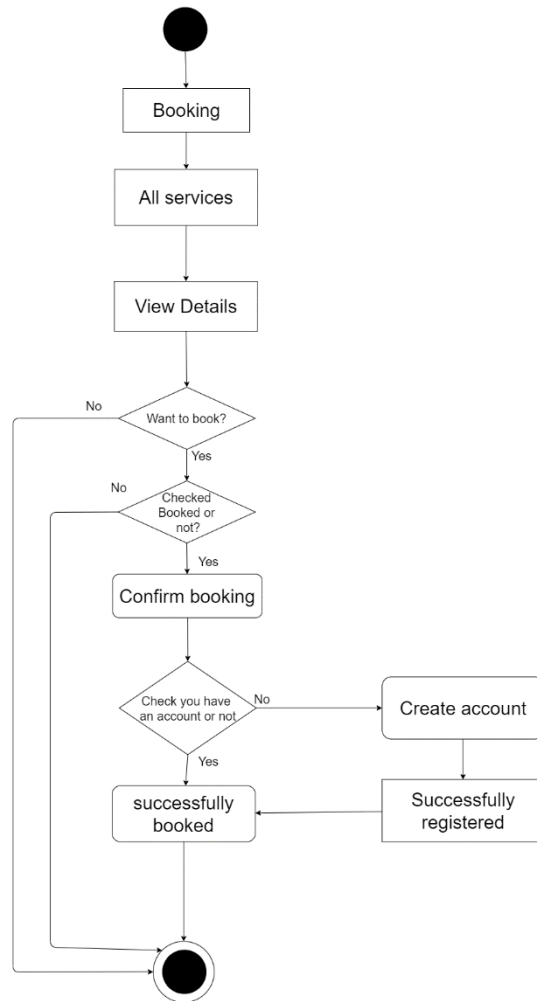


Figure- 3.8: Activity Diagram (Booking)

### 3.4.7 Change Booking

## Change Booking

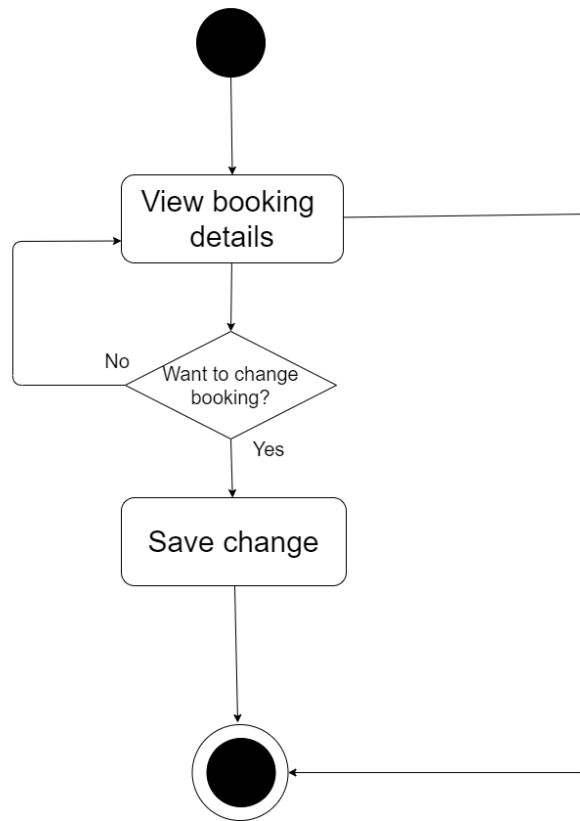


Figure- 3.9: Activity Diagram (Change Booking)

### 3.4.8 View Booking Details

## View booking details

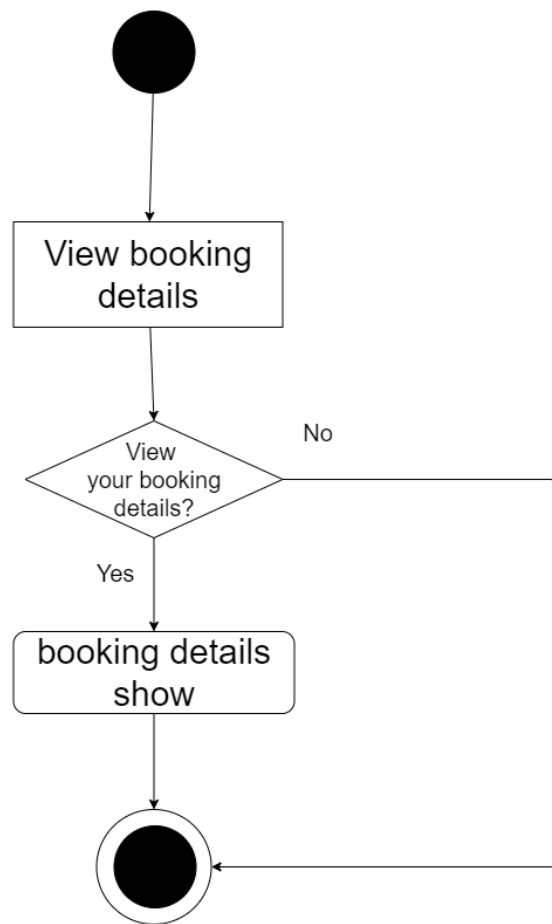


Figure- 3.10: Activity Diagram (View booking details)



### 3.4.9 Payment

payment

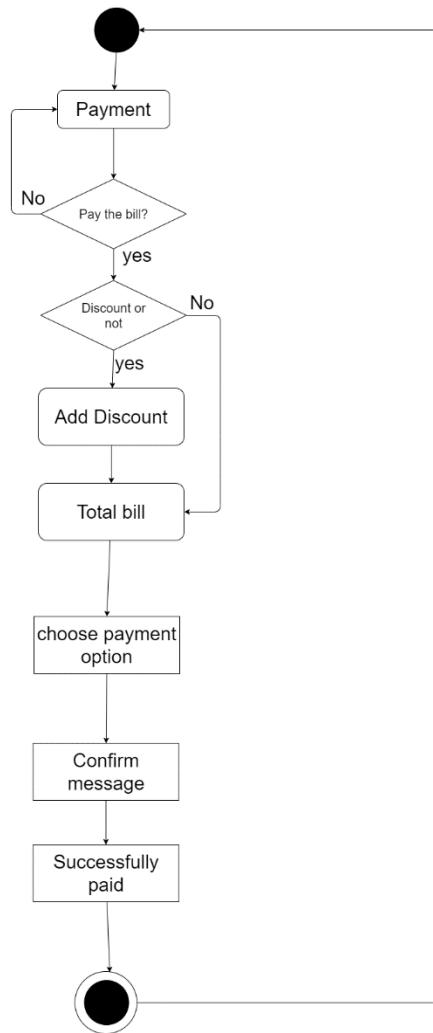


Figure- 3.11: Activity Diagram (Payment)

### 3.4.10 View Payment

viewpayment

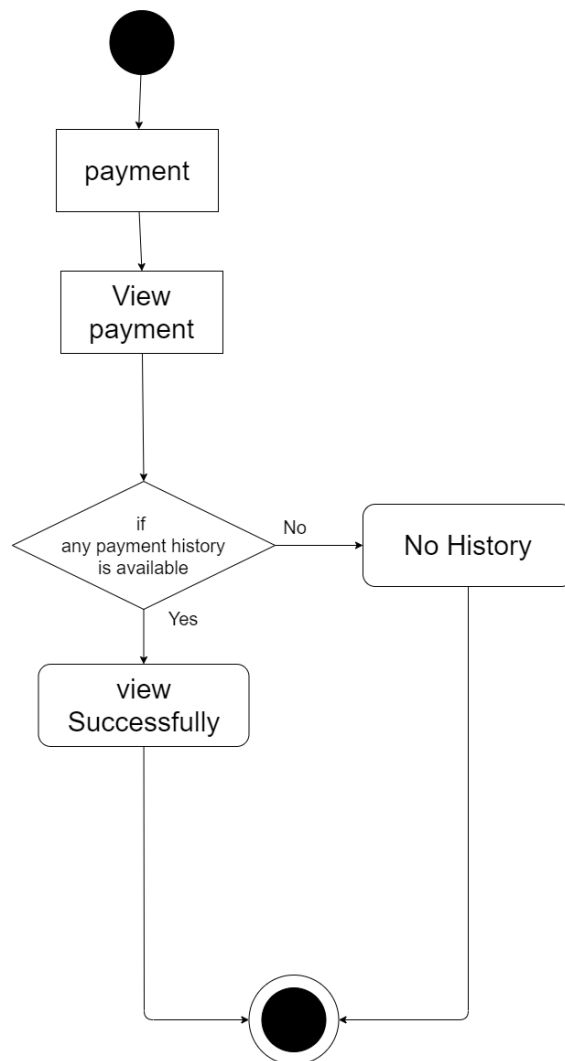


Figure- 3.12: Activity Diagram (View Payment)

### 3.4.11 Discount

## Discount

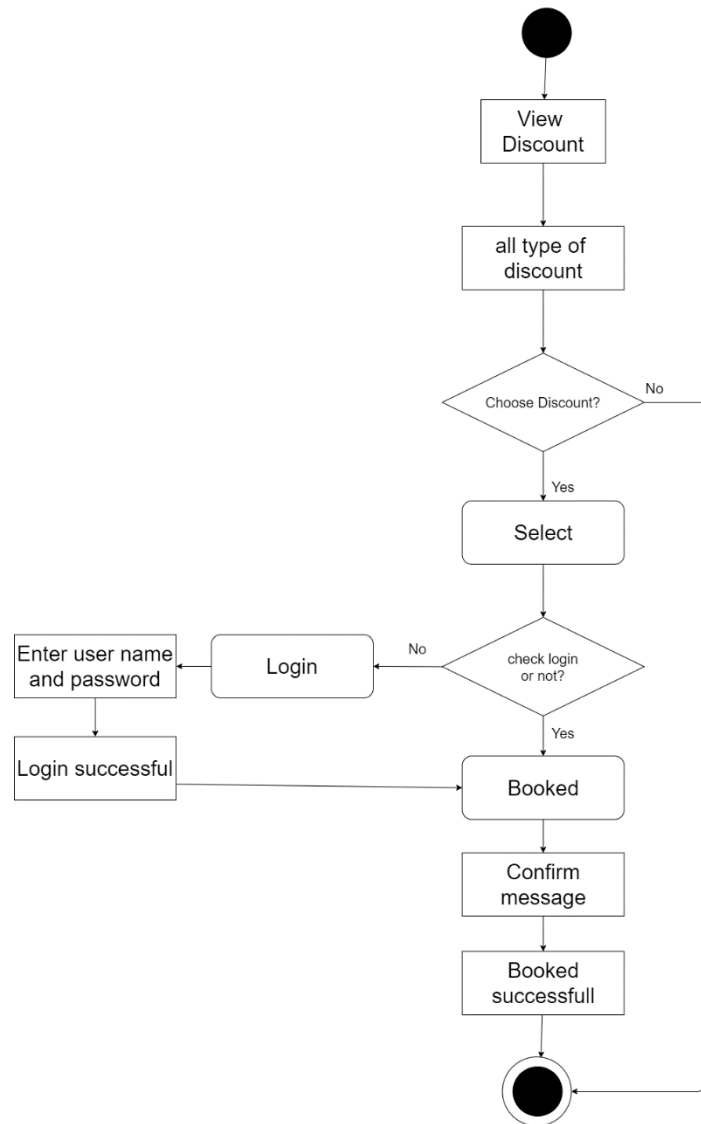


Figure- 3.13: Activity Diagram (Discount)

### 3.4.12 View Reviews

## View reviews

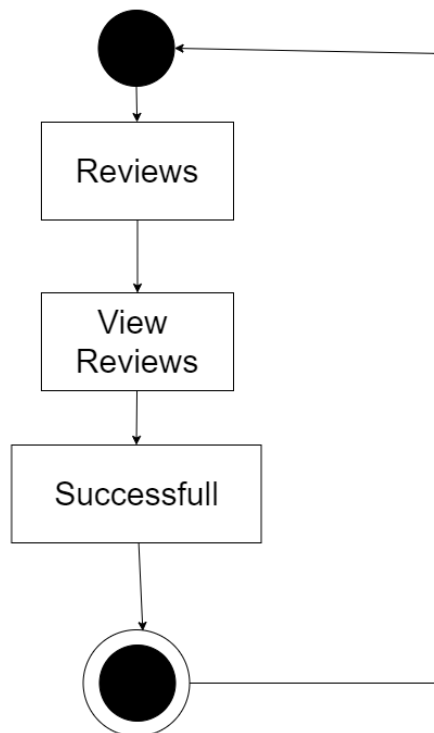


Figure- 3.14: Activity Diagram (View Reviews)

### 3.4.13 Guide Tracking

# Guide Tracking

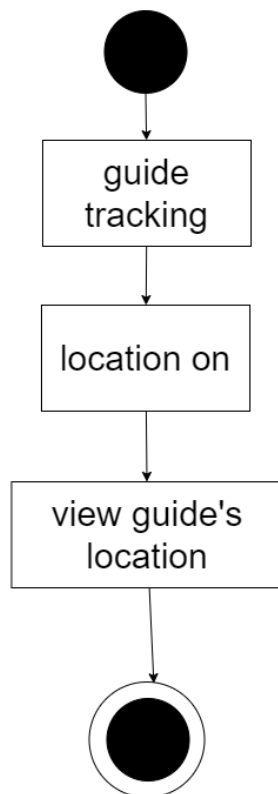


Figure- 3.15: Activity Diagram (Guide tracking)

### 3.5 Sequence Diagram

#### 3.5.1 Sign up

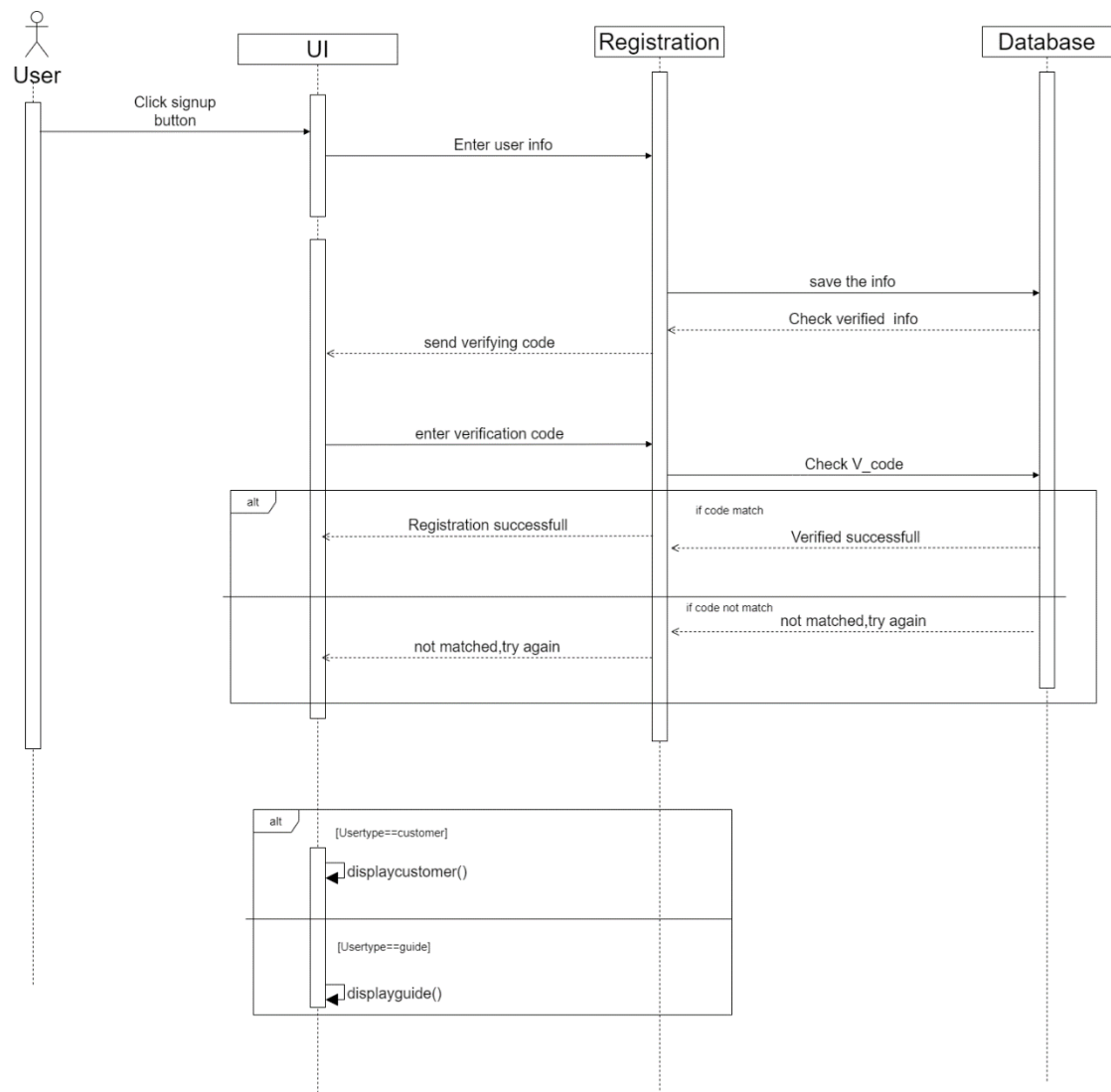


Figure- 3.16: Sequence Diagram (signup)

### 3.5.2 Sign in/Login

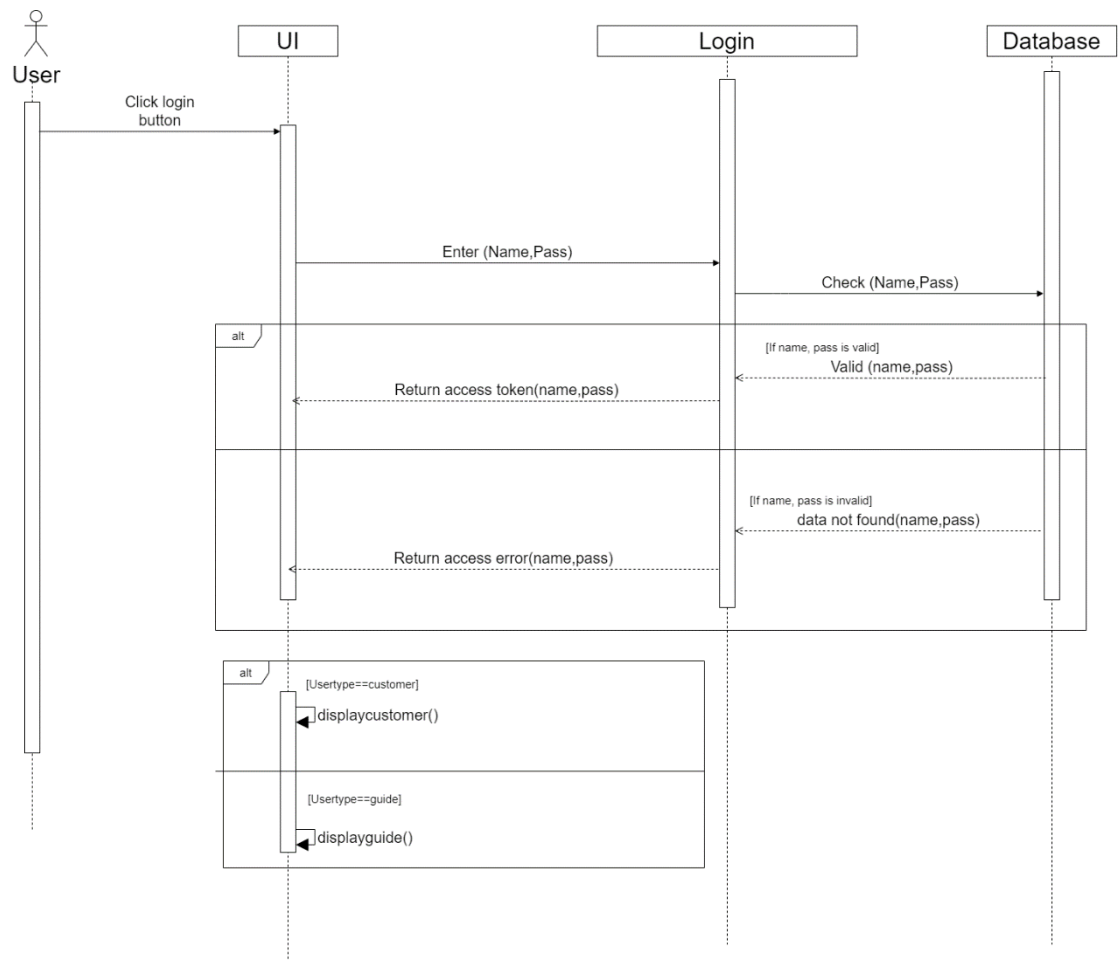


Figure- 3.17: Sequence Diagram (sign in)

### 3.5.3 Profile

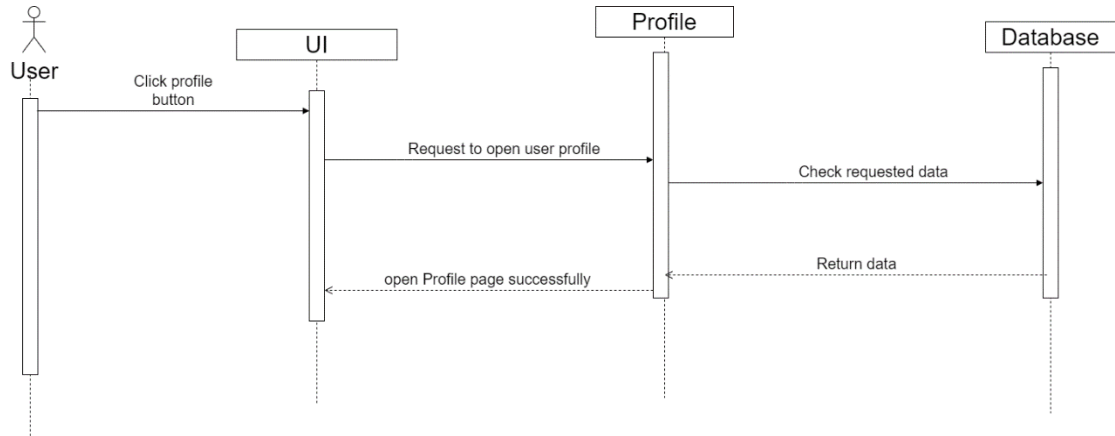


Figure- 3.18: Sequence Diagram (Profile)

### 3.5.4 Edit Profile

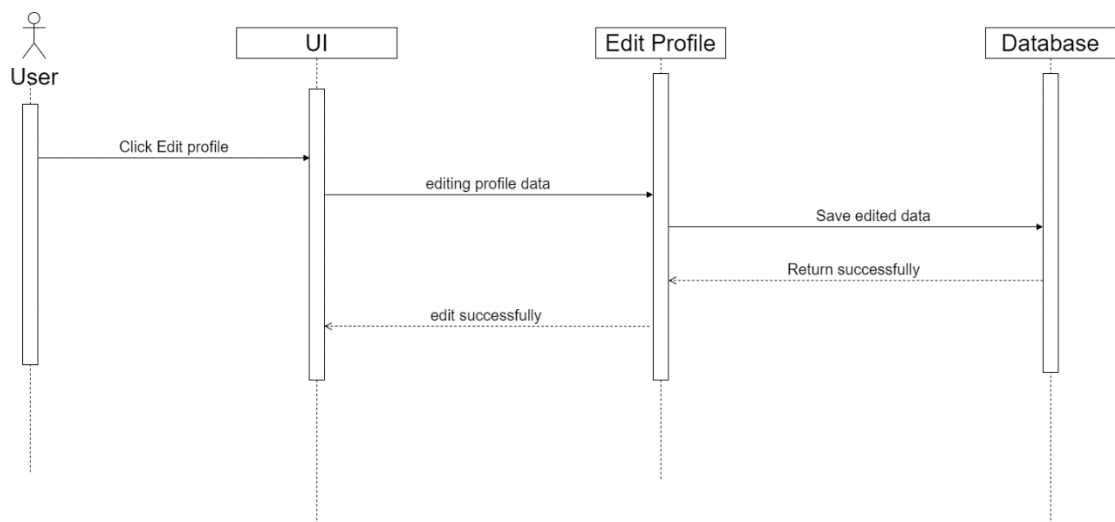


Figure- 3.19: Sequence Diagram (Edit Profile)



### 3.5.5 View Profile

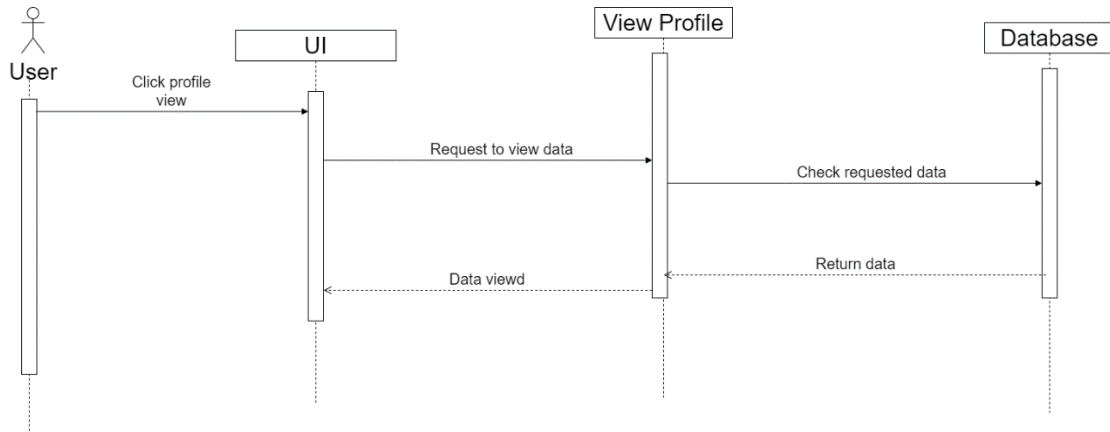


Figure- 3.20: Sequence Diagram (View Profile)

### 3.5.6 Booking

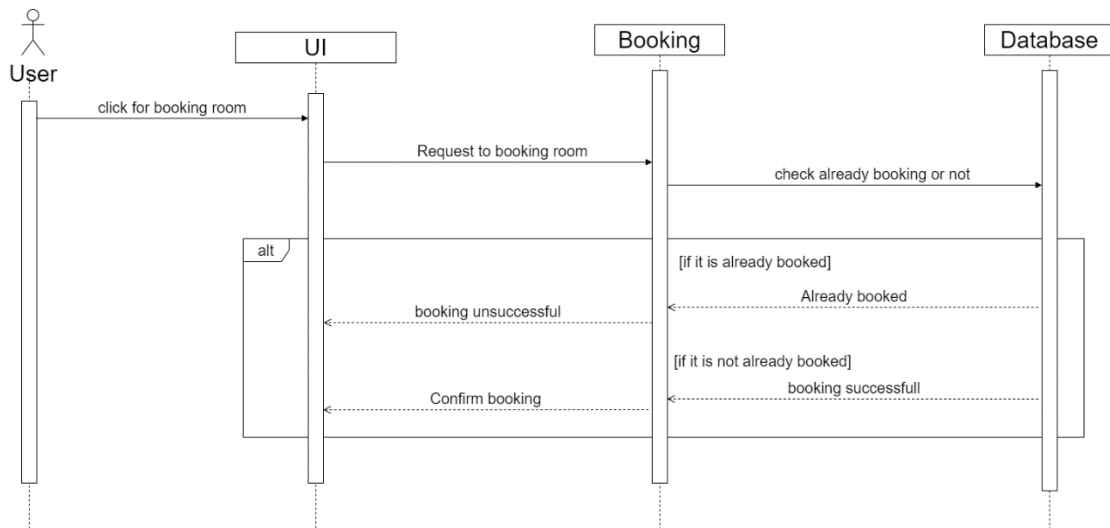


Figure- 3.21: Sequence Diagram (Booking)

### 3.5.7 Change Booking

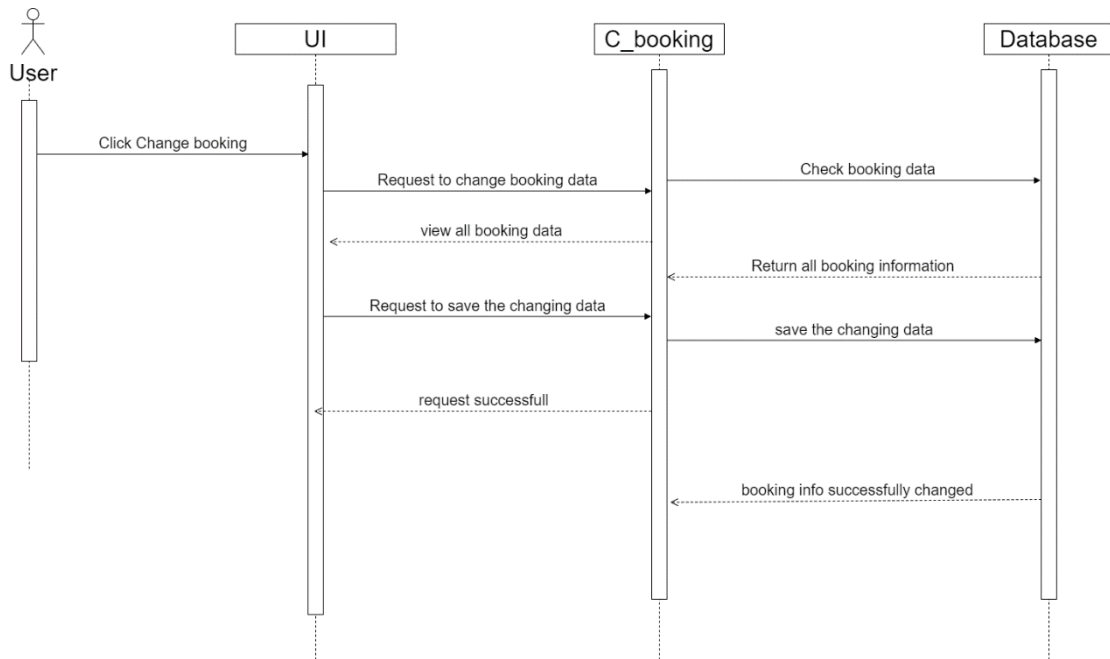


Figure- 3.22: Sequence Diagram (Change booking)

### 3.5.8 View Booking Details

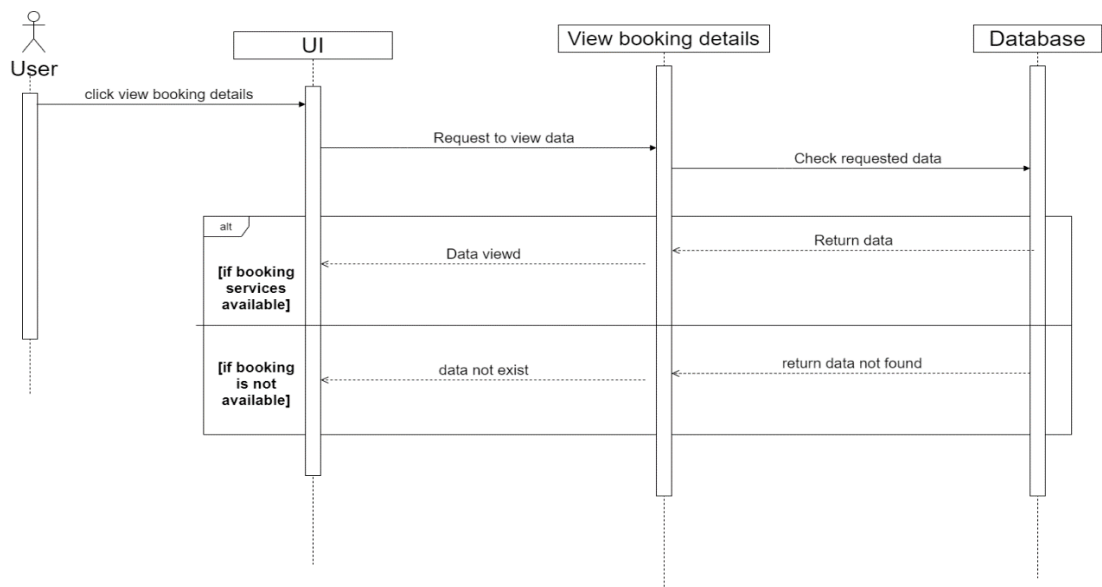


Figure- 3.23: Sequence Diagram (View booking details)

### 3.5.9 Payment

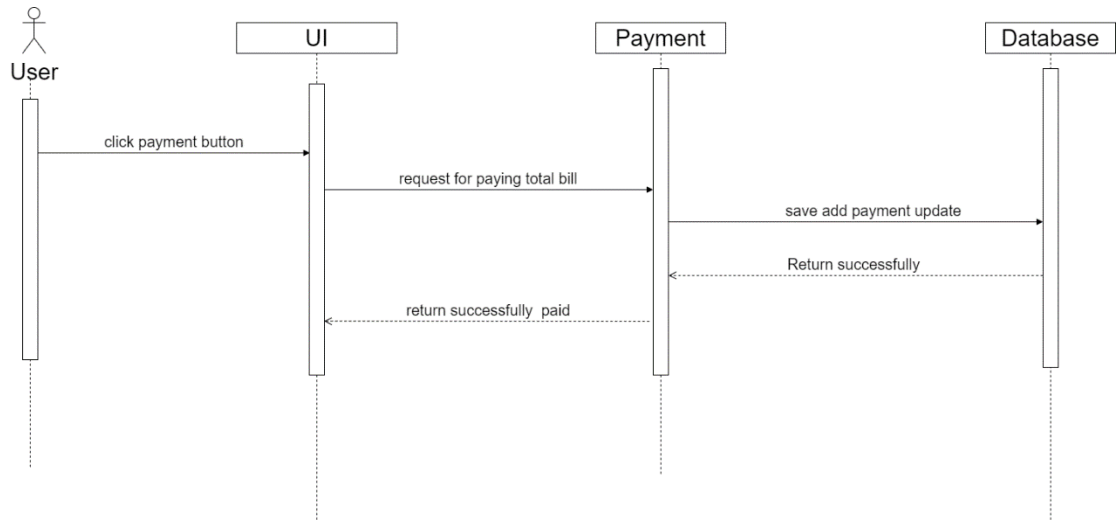


Figure- 3.24: Sequence Diagram (Payment)

### 3.5.10 View Payment

view payment

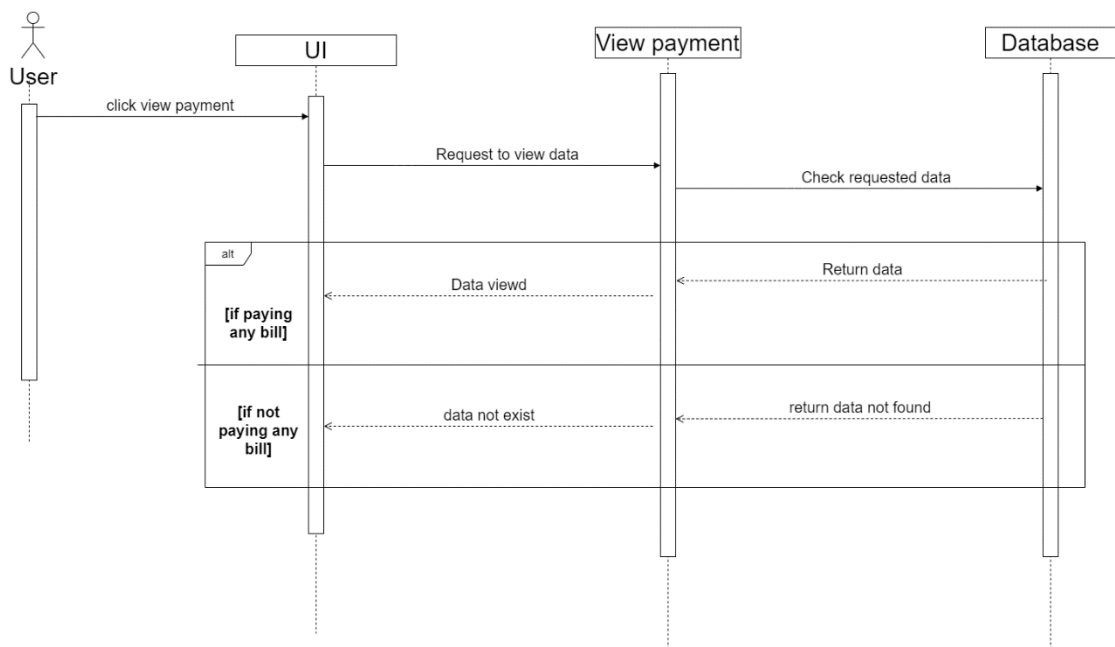


Figure- 3.25: Sequence Diagram (View Payment)

### 3.5.11 Discount

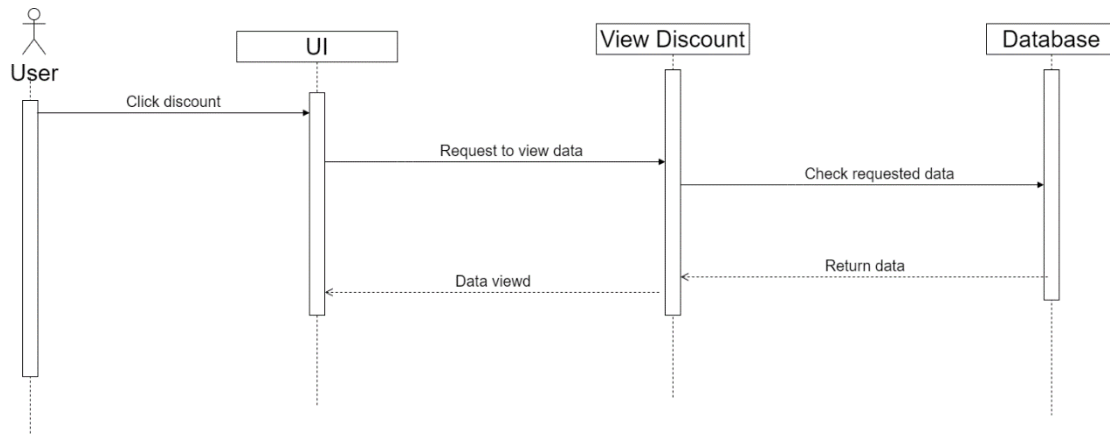


Figure- 3.26: Sequence Diagram (Discount)

### 3.5.12 View Review

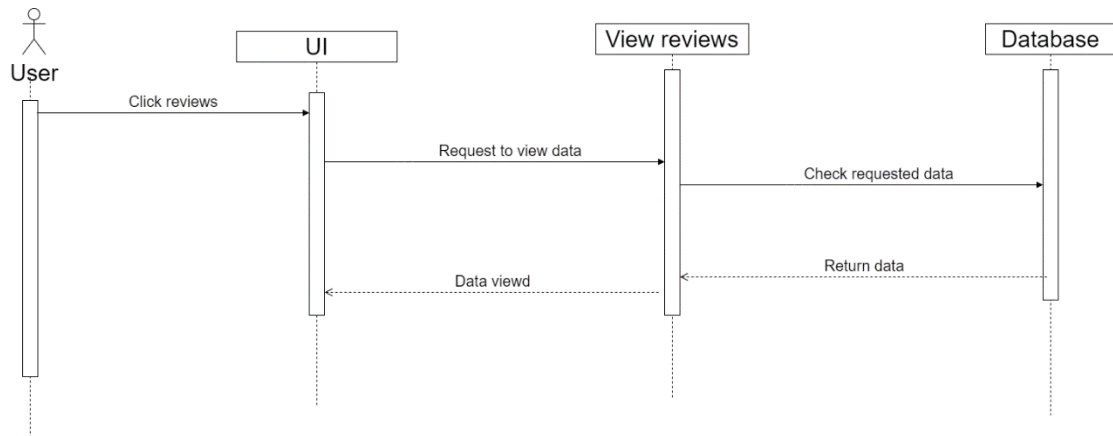


Figure- 3.27: Sequence Diagram (View review)

### 3.6 Entity Diagram

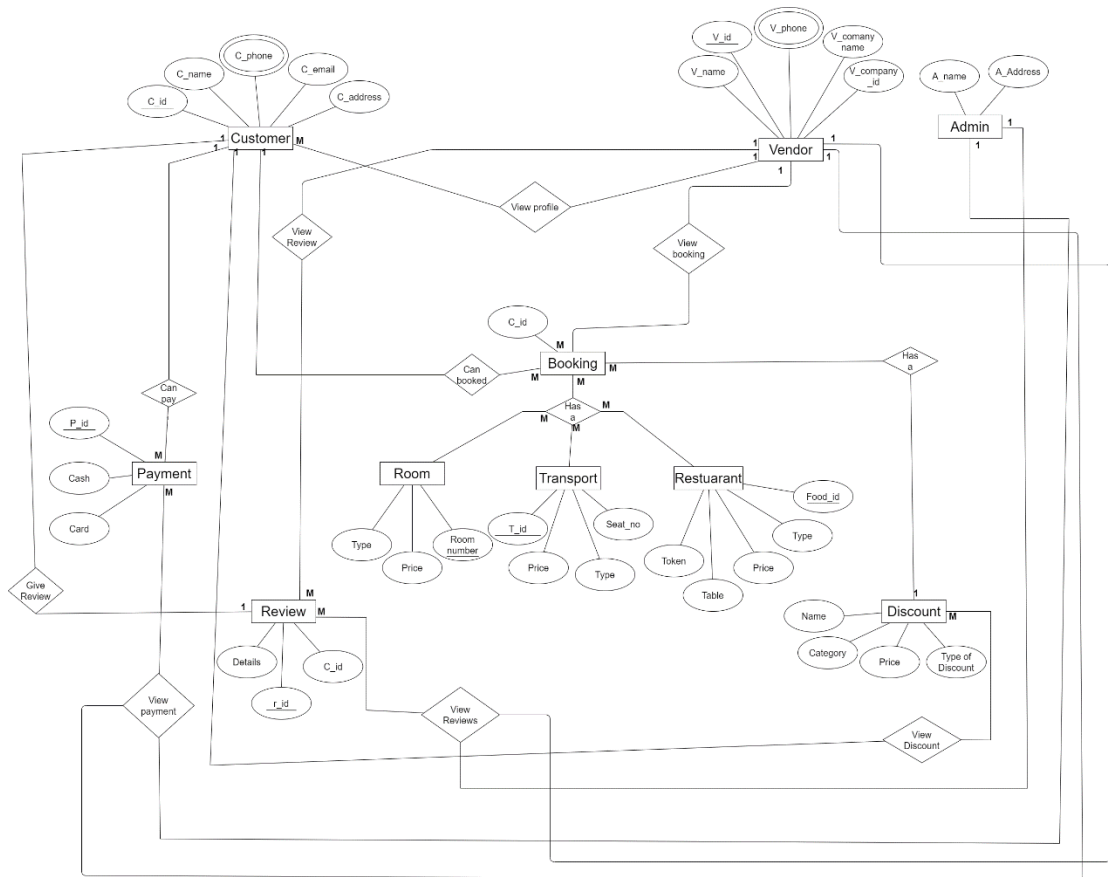


Figure- 3.28: Entity Diagram

# **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
Booking	1	User can book the services
Change Booking	1	User can change their booking info
Payment	1	User can pay their payment
View Payment	2	User can view their payment details
Discount	1	User can see and use the discount
Tracking	1	User can track the location

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	1 week
Load testing	1 week
Performance testing	1 week
Accessibility testing	1 week

Table 4.2: Testing Schedule

#### 4.2.4 Traceability Matrix

Project Manager			Business analyst Lead	
QA leader			Target implementation date	
TM	Functionality Activity	Requirement Description	Testcase 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	Booking	TEST CASE 4.4.4	
TM-05	Functional	View booking	TEST CASE 4.4.5	
TM-06	Functional	Change booking	TEST CASE 4.4.6	
TM-07	Functional	Payment	TEST CASE 4.4.7	
TM-08	Functional	View payment	TEST CASE 4.4.8	
TM-09	Functional	Discount	TEST CASE 4.4.9	
TM-10	Functional	Tracking	TEST CASE 4.4.10	
TM-11	Functional	Logout	TEST CASE 4.4.11	

Table 4.3: 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 Sign up

<b>Test Case: 01</b>				<b>Test Case Name: Sign up</b>			
<b>System:</b>				<b>Sub-System:</b>			
<b>Designed by: Moumita Goswami</b>				<b>Designed date:</b>			
<b>Executed by:</b>				<b>Executed date:</b>			
<b>Short Description:</b> System will save new user description							
<b>Pre-condition:</b> <ul style="list-style-type: none"><li>• User must be have valid name, email</li></ul>							
Serial	Name	Email	Password	Expected Result	Pass / Fail	Actual Result	Comment
1	mou		09876	Email field is required	Fail	Pass	
2	Mou	mou	mou	Invalid email	Fail	Pass	
3	mou	mou@990@gmail.com	321564	Successfully signed up	Pass	Pass	
<b>Post-Condition:</b> User can log in							

#### 4.4.2 Log in

<b>Test Case:</b> 02			<b>Test Case Name:</b> Log in			
<b>System:</b>			<b>Sub-System:</b>			
<b>Designed by:</b> Moumita Goswami			<b>Designed date:</b>			
<b>Executed by:</b>			<b>Executed date:</b>			
<b>Short Description:</b> User can access in to the system						
<b>Pre-condition:</b>						
<ul style="list-style-type: none"> <li>User must be have valid email and password</li> </ul>						
<b>Serial</b>	<b>Email</b>	<b>Password</b>	<b>Expected Result</b>	<b>Pass / Fail</b>	<b>Actual Result</b>	<b>Comment</b>
1		09876	Email field is required	Fail	Pass	
2	mou	mou	Invalid email	Fail	Pass	
3			Email and Password field is required	Fail	Pass	
4	mou@990gmail.com	321564	Successfully signed up	Pass	Pass	
<b>Post-Condition:</b> User can log in						

#### -4.4.3 View Profile

<b>Test Case:</b> 03		<b>Test Case Name:</b> View Profile			
<b>System:</b>		<b>Sub-System:</b>			
<b>Designed by:</b> Moumita Goswami		<b>Designed date:</b>			
<b>Executed by:</b>		<b>Executed date:</b>			
<b>Short Description:</b> User view their profile information					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>User must have their own account and also logged in to their account</li> </ul>					
Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Click on profile option	Open profile information	Pass	Pass	
<b>Post-Condition:</b> User can edit their profile info					

#### 4.4.4 Booking

<b>Test Case:</b> 04		<b>Test Case Name:</b> Booking			
<b>System:</b>		<b>Sub-System:</b>			
<b>Designed by:</b> Moumita Goswami		<b>Designed date:</b>			
<b>Executed by:</b>		<b>Executed date:</b>			
<b>Short Description:</b> User can book the services					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>User must log in to their account</li> </ul>					
Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Click on booking option	Open booking page, show all requirement of booking the services	Pass	Pass	
2	Fill up all required field and click confirm	Successful booking process	Pass	Pass	
<b>Post-Condition:</b> User can view their booking info					

#### 4.4.5 View Booking Information

<b>Test Case:</b> 05		<b>Test Case Name:</b> View booking			
<b>System:</b>		<b>Sub-System:</b>			
<b>Designed by:</b> Moumita Goswami		<b>Designed date:</b>			
<b>Executed by:</b>		<b>Executed date:</b>			
<b>Short Description:</b> User view their booking information					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>User must log in to their account</li> </ul>					
Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Click on booking option	Open booking information	Pass	Pass	
<b>Post-Condition:</b> User can edit their booking info					



#### 4.4.6 Change booking

<b>Test Case:</b> 06		<b>Test Case Name:</b> Change booking			
<b>System:</b>		<b>Sub-System:</b>			
<b>Designed by:</b> Moumita Goswami		<b>Designed date:</b>			
<b>Executed by:</b>		<b>Executed date:</b>			
<b>Short Description:</b> User change their booking information					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>User must log in to their account</li> </ul>					
Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Click on booking option	Open booking information	Pass	Pass	
2	Click on edit button	Edit Booking information	Pass	Pass	
3	Click save button	Successfully edit booking info	Pass	Pass	
<b>Post-Condition:</b> User can view their booking info					

#### 4.4.7 Payment

<b>Test Case:</b> 07		<b>Test Case Name:</b> Payment			
<b>System:</b>		<b>Sub-System:</b>			
<b>Designed by:</b> Moumita Goswami		<b>Designed date:</b>			
<b>Executed by:</b>		<b>Executed date:</b>			
<b>Short Description:</b> User Pay their bill					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>User must log in to their account</li> </ul>					
Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Click on Payment option	Open Payment type (Cash/Card)	Pass	Pass	
2	Click on one type button	Open the bill payment processing page	Pass	Pass	
3	Fill up all required process and click done payment	Successfully Pay the bill	Pass	Pass	
<b>Post-Condition:</b> User can view their Payment info					

#### 4.4.8 View Payment

<b>Test Case:</b> 08		<b>Test Case Name:</b> View Payment			
<b>System:</b>		<b>Sub-System:</b>			
<b>Designed by:</b> Moumita Goswami		<b>Designed date:</b>			
<b>Executed by:</b>		<b>Executed date:</b>			
<b>Short Description:</b> User view their Payment information					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>User must log in to their account</li> </ul>					
Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Click on Payment option	Open all payment information	Pass	Pass	
<b>Post-Condition:</b> User can log out their account					

#### 4.4.9 Discount

<b>Test Case:</b> 09		<b>Test Case Name:</b> Discount			
<b>System:</b>		<b>Sub-System:</b>			
<b>Designed by:</b> Moumita Goswami		<b>Designed date:</b>			
<b>Executed by:</b>		<b>Executed date:</b>			
<b>Short Description:</b> User view all discount services					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>User must open and visit the site</li> </ul>					
Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Click on discount option	Open all discount services	Pass	Pass	
<b>Post-Condition:</b> User can book their closable services					

#### 4.4.10 Tracking

<b>Test Case:</b> 10		<b>Test Case Name:</b> Tracking			
<b>System:</b>		<b>Sub-System:</b>			
<b>Designed by:</b> Moumita Goswami		<b>Designed date:</b>			
<b>Executed by:</b>		<b>Executed date:</b>			
<b>Short Description:</b> User track the location of guide					
<b>Pre-condition:</b>					
<ul style="list-style-type: none"> <li>User must log in to the system</li> </ul>					
Serial	Action	Expected Result	Pass / Fail	Actual Result	Comment
1	Click on tracking option	Open the map and show the location of guide	Pass	Pass	
<b>Post-Condition:</b> User can book their closable services					

#### 4.4.11 Log out

<b>Test Case: 11</b>		<b>Test Case Name: Logout</b>			
<b>System:</b>		<b>Sub-System:</b>			
<b>Designed by:</b> Moumita Goswami		<b>Designed date:</b>			
<b>Executed by:</b>		<b>Executed date:</b>			
<b>Short Description:</b> system will close					
<b>Pre-condition:</b> <ul style="list-style-type: none"><li>• User must logged in to the system</li></ul>					
<b>Serial</b>	<b>Action</b>	<b>Expected Result</b>	<b>Pass / Fail</b>	<b>Actual Result</b>	<b>Comment</b>
1	Click log out button	Session ended	Pass	Pass	
<b>Post-Condition:</b> User can log in again					

# **CHAPTER 5**

## **USER MANUAL**

## 5.1 Login

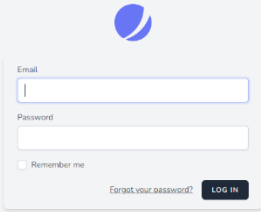
A login form centered on a light gray background. At the top center is a blue circular logo with a white swoosh. Below the logo is a form with two input fields: 'Email' and 'Password'. Below the 'Password' field is a checkbox labeled 'Remember me'. At the bottom of the form, there is a link 'Forgot your password?' and a dark gray button labeled 'LOG IN'.

Figure 5.1: Login

User can Login their account by giving their correct Email and Password.

## 5.2 Registration

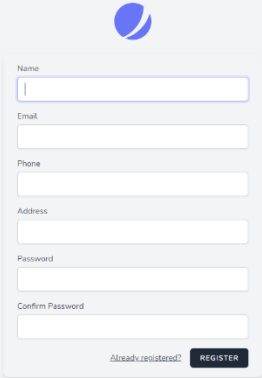
A registration form centered on a light gray background. At the top center is a blue circular logo with a white swoosh. Below the logo is a form with six input fields: 'Name', 'Email', 'Phone', 'Address', 'Password', and 'Confirm Password'. Below the 'Confirm Password' field, there is a link 'Already registered?' and a dark gray button labeled 'REGISTER'.

Figure 5.2: Registration

User can register themselves with name, email, and correct password.



### 5.3 Home page

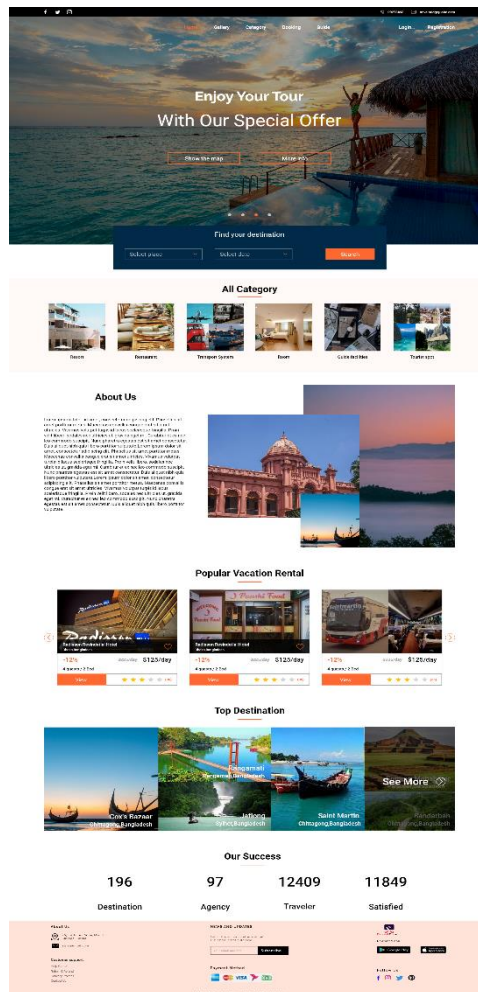


Figure 5.3: Homepage

User can view homepage without login or registration.

## 5.4 Profile

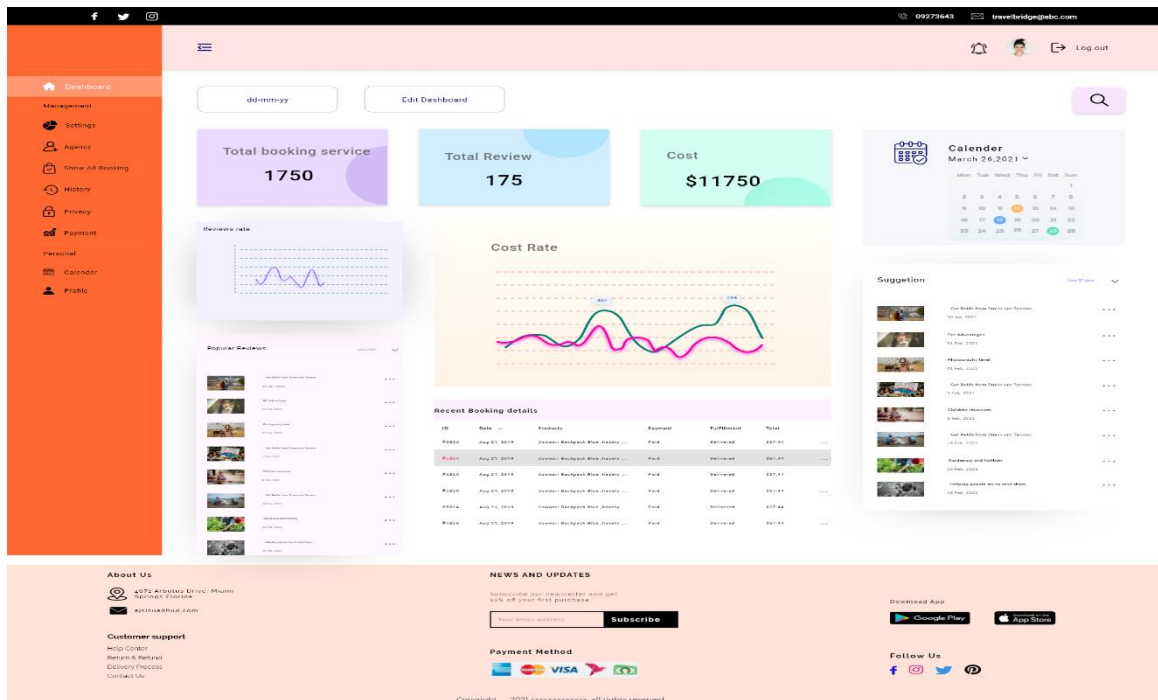


Figure 5.3: User Profile Dashboard

User Has a Profile and dashboard.

## 5.5 View Profile Details and Edit Profile

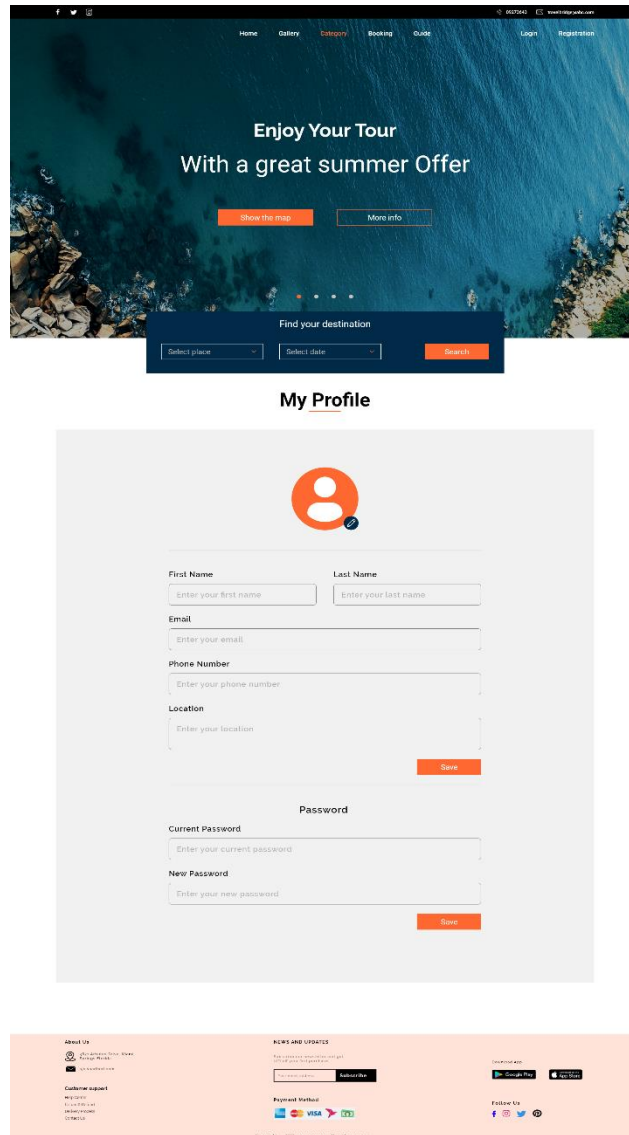


Figure 5.5: View and Edit Profile

User can view and edit their profile information.

## 5.6 View Service details

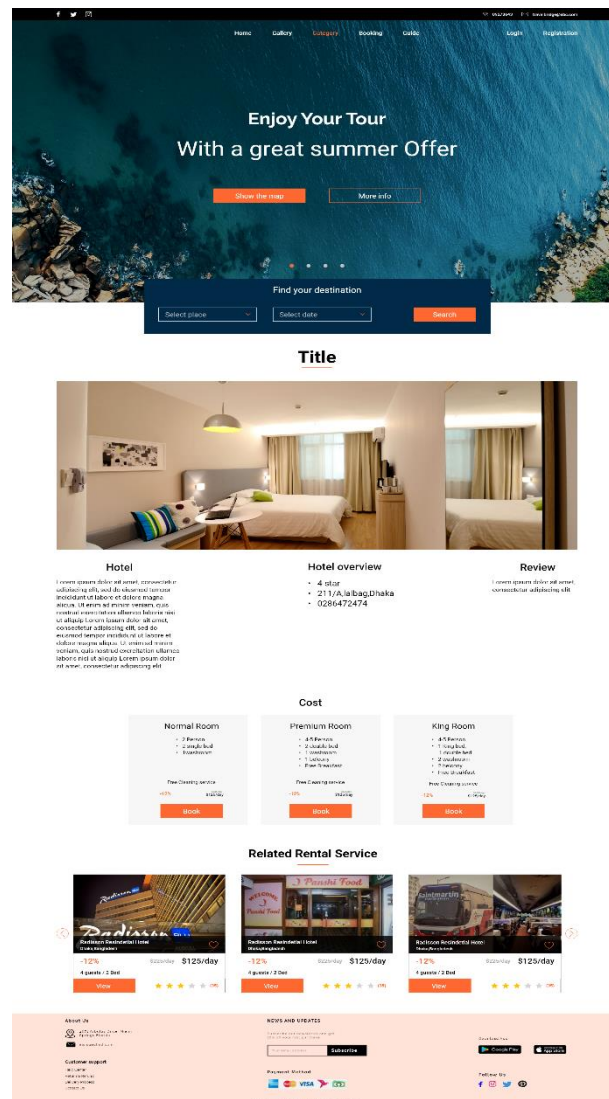


Figure 5.6: View Service Details

User can view services and details and then they book the services.

## 5.7 Tracking

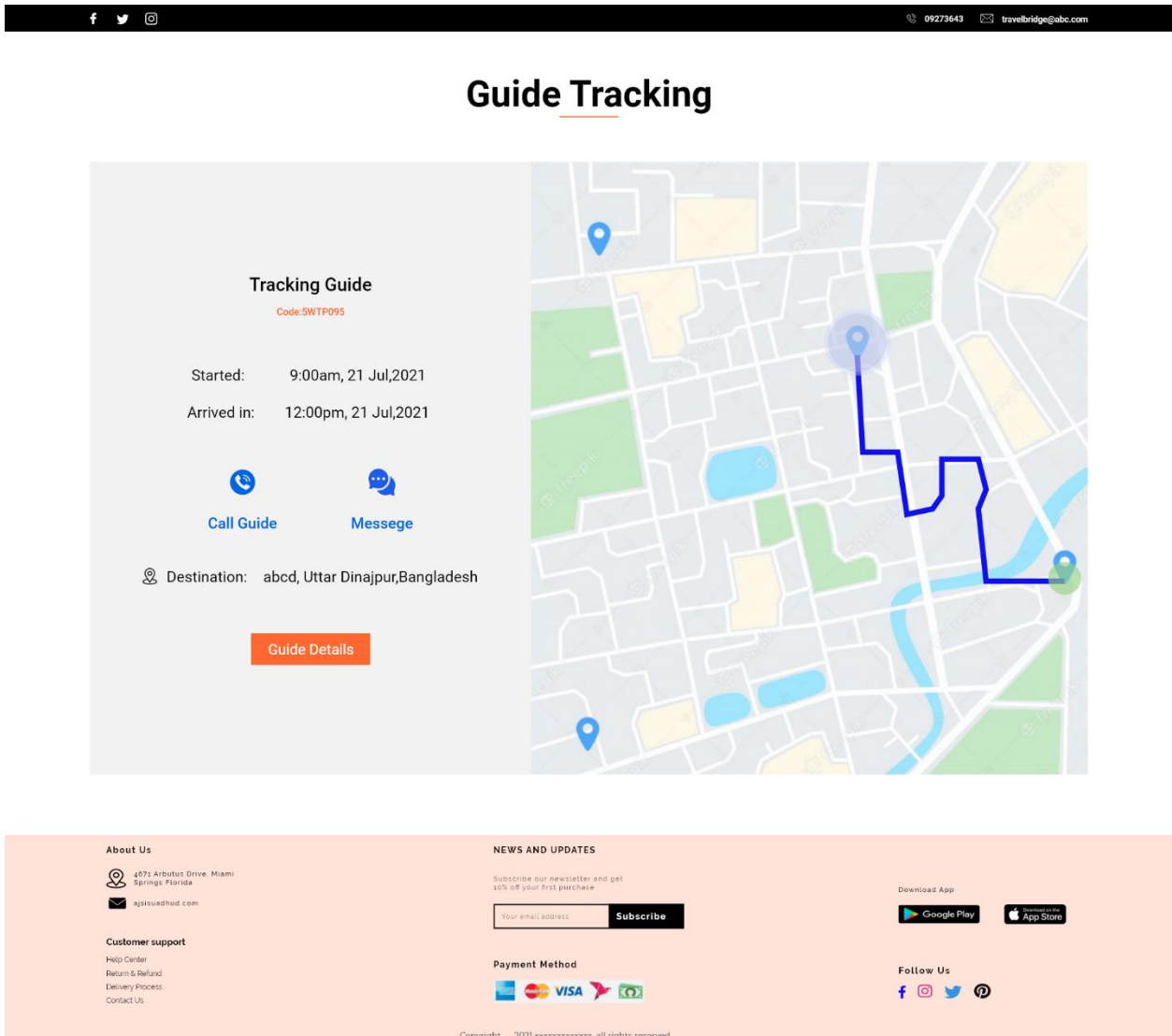


Figure 5.7: Tracking

User can Track their guides Location.

## 5.8 Discount

The image shows a travel website interface. At the top, there's a navigation bar with links for Home, Gallery, Category, Booking, Guide, Login, and Registration. The main banner features a scenic view of a lake with the text "Enjoy Your Tour With a great summer Offer" and buttons for "Show the map" and "More info". Below the banner is a search bar with "Find your destination" and fields for "Select place", "Select date", and a "Search" button.

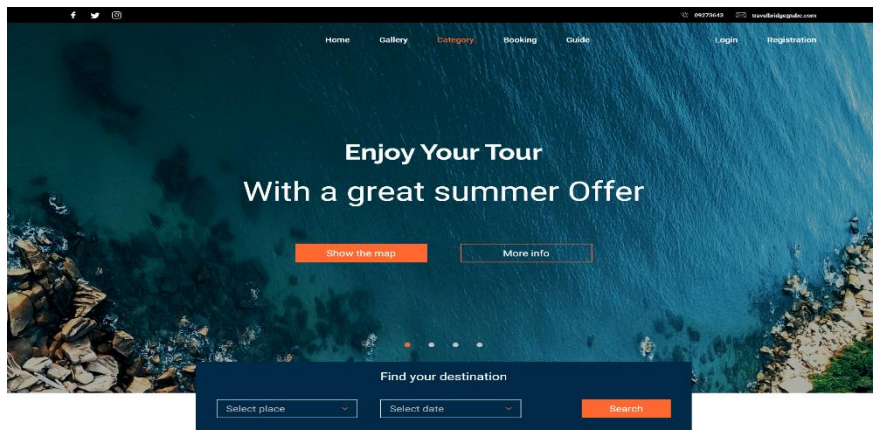
The "Look on Map" section displays a grid of search results. On the left is a "Filter" sidebar with categories: CATEGORY (Resort, Transport, Rooms, Restaurant, Place, Guide, Other), PRICE (Min Price, Max Price), LOCATION (Dhaka, USA), and DISCOUNT (10% - 50%, 30% - 60%, 50% - 70%, 70% - 80%). The main grid shows six items, each with a photo, the name "Radisson Residential Hotel (Dhaka, Dhaka, Dhaka)", a "-12%" discount, a price of "\$225/day" crossed out and "\$125/day" in bold, and "4 guests / 2 Bed". Each item has a "View" button and a star rating.

The footer contains "About Us" (with contact info for 0171-3398111), "NEWS AND UPDATES" (with a "Subscribe" button), "Payment Method" (with logos for Visa, Mastercard, and others), and "Follow Us" (with social media icons for Facebook, Instagram, Twitter, and YouTube).

Figure 5.8: Discount Services

User can view all Discount services with other categories filter.

## 5.9 Booking



### Reservation Form

To reserve seats please complete and submit this form

Name			
First name	<input type="text"/>	Last name	<input type="text"/>
Email	<input type="text"/>	Phone number	<input type="text"/>
Starting Date	<input type="text"/>	Return Date	<input type="text"/>
Where From	<input type="text"/>		
Where To	<input type="text"/>		
Booking Type	<input type="text"/>		
Number of people	<input type="text"/>		



Figure 5.9: booking

User can Book the services by filling up this reservation form they can change the booking info.

**CHAPTER 6**  
**CONCLUSION**



## **6.1 Project Summery**

“**Travel Bridge**” is an online based multi-vendor booking system, where tourist or traveler can book their tour arrangements via online, and they can choice their suitable one with a good offer. In this system different vendor can upload their services which provide a good discount vendor can upload, add, delete their management’s services and tourist can see all the services of different vendors and they can choose one and book the suitable one which they effort and tourists also can cancel their booking if they have any problem. The travel agency and tourist both can track the guides location and see where they are. This is the most important feature of this system. This system provides a good security of the tourist information and all data will save. Online tour booking system is very useful for the present world. Here other country’s people can know about another country’s tourist spot, the advantages of the services etc.

## **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.

# PLAGIARISM

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