



Bangladesh Tourist Guide

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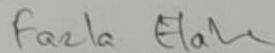
DAFFODIL INTERNATIONAL UNIVERSITY

This report presented in partial fulfillment of the requirements for
the Degree of Bachelor of Science in Software Engineering.

APPROVAL

This thesis titled on "Bangladesh Tourist Guide", submitted by Nusrat Jahan (ID: 161-35-1443) 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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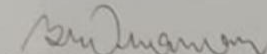
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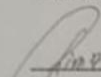
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Declaration

I hereby declare that I took this project under the supervision of **Dr. Md. Fazla Elahe**, Assistant Professor & Associate Head, Department of Software Engineering, Daffodil International University. I also declare that neither this report or nor any part of this has been submitted elsewhere for any award or degree.

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ACKNOWLEDGEMENT

At first, I am grateful to The Almighty Allah for making me eligible for this project and giving me the opportunity to complete it successfully. Then I would like to thank my supervisor Assistant Professor & Associate Head, **Dr.Md.Fazla Elahe**, Department of Software Engineering. I am extremely indebted to him for his expert, sincere and valuable guidance and encouragement that helps me to give my best effort to this project.

Last but not the least, I would like to thank my parents for their unconditional support and love. And their believe in me. Their believe helps me to believe in me that I can do this. Moreover, without their support and love I could not do this.

However, this project is submitted for the partial fulfillment of stakeholder's requirement for the Degree of Bachelor of Science in Software Engineering.

Abstract

My project is basically a tourist guide application. Two types of actors will work in the application. Of the two types of actors, one is the user and the other is the admin. The primary actor of this project will be the user. This project is made for users. Through this application the user can basically search different tour places. According to Division, all the tour places will be in the form of a given list in the application. So any user can easily find the tour places around him no matter where he is with this application. Not only to find the tour place but also through this application the user can go to the location of the two places using the map. By using this application the user can know the complete details description of the tour place at home. Users at home can also know the closing time and entry fee through this application. This application has rating and review option for users to give their opinion users can easily rate and share their opinion. Also this application has communication system. If the user wants to know something from the application he has three options to know first, through email he will know through second, mobile number will be given from there he will also know from there also there is chatbot through which user can know what he knows through chatting. When a user searches for a tourist place from Maps, he can search by using the name of the tourist place and also by using longitude or latitude to search its location in this app. On the other hand, this application also has some functions of admin. Admin has full access to this app. All kinds of changes like edits, updates, uploads, all kinds of work are for admins. The most important thing is that the application must be first or registered otherwise login will not be possible.

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Chapter One: Introduction

1.1 Project Overview

My project was to create a website for tourist guide. Here are basically two types of actor.

1. User
2. Admin

Admin monitor the whole project. Where user can choose their tour destination and also they can know the history of the historical places and tourist places. And also can know their destination route by map and by description. User can also rate the tourist places also can communicate with us by phone call & email. To gather any information of my website user can chat with chatbot. And Admin can add more tourist place and historical place with image in the system.

1.2 Project Purpose

There are many beautiful places in Bangladesh and there are many historical places too but most of these places are unknown to us. The purpose of this project is people can know the tourist and historical place by division basis and also can get information and historical history by this project description. My project purpose is to help people to save their time by using my project, that users can find their destination's route, entry fee, opening and closing time and also the off day of the tour place in Bangladesh while sitting in their home. They do not need to go to the field to find tourist places. This will help them to save their time and efforts. I got this idea by using a mobile app called "TravelGuideBD". In this app there have only tourist place location and some details of the tourist place But the thing is they don't any rating system & communicating system or option. Even their UI was not so good. I have 2 purpose first one is to help people to save their time by using my project and the second was is I can do better from that app which i follow to create my project.

1.2.1 Proposed System

I'm totally clear with my purpose and that's why i proposed this system. In this system I added review & rating, contact option with chatbot, email & phone. I try my best to do some better UI from that app.

Chapter 2: System Analysis

2.1 Feasibility Analysis:

(a)Technical feasibility: The project is perfectly feet for implementation by availability of required tools, compatibility, scalability, risk and constraints and so on.

(b)Market feasibility: Now a days people are dependent on online websites. People are now becoming adventure lovers. On the other hand, visitors from different country come in bangladesh for tourism. My project can full fill their demand.

(c)Financial feasibility: This project is economically viable and financially sustainable. Maintenance cost is reasonable.

(d)Operational feasibility: This project seamlessly integrates with existing overflows.

(e)Legal and Ethical feasibility: In this project, there has no illegal or unethical requirements that can impact the projects implementations.

Technical feasibility:

(a)Availability and required technology: This project utilizes commonly accessible technologies, including HTML, CSS, and JavaScript for front-end development, along with PHP for back-end development.

(b)Compatibility: This project is compatibility wise fit. This is a responsive website.

(c)Skills and expertise: Possibly in future AI/ chatbot development for implementing the chatbot features training or hiring developers with necessary skills may be required.

(d)Scalability: The project will able to handle the future growth and increased users without significant technical challenge.

(e)Risk and constraints: The project is absolutely OK for the implementation.

Operational feasibility:

(a)User acceptance: User acceptance testing and feedback collection crucial to ensure that the project meets the needs. The feedback collection. By review and rating system will be able to collect user's opinion or acceptance.

(b)Workflow integration: This project is seamlessly integrated with existing workflows.

(c)Change Management: Stakeholders should be involved throughout to Address any necessary changes in process or workflows effectively.

(d)Stakeholders involvement: Continuous engagement with stakeholders including users and admin will be vital to gather feedback and ensure the project meets their needs.

2.2 Functional Requirements:

- A) Everyone (Admin, User) has to registration
- B) Everyone (Admin, User) ha to login
- C) Admin has full access to monitor
- D) Display the list of tourist place
- E) Search Map to find the location route
- F) Search Place to find the tour place details
- G) User can give review & rating
- H) User can communicate with a chatbot
- I) Admin has dashboard
- J) Content page of about us and contact
- K) This website is responsive website

2.3 System Requirement:

1) Server Requirements:

- A. Capable of handling HTTP requests.

- B. Enough storage space for website files and images.
- C. Sufficient CPU and RAM resources to manage user traffic.

2) Software Requirements:

- A) Operating system for the web server (Windows Server)
- B) This project used (MySQL) to store data
- C) Programming languages for frontend (HTML, CSS, JavaScript) and backend (PHP)

3) User Authentication and Authorization:

- A) Password and Confirm Password both are hashed
- B) Use session () to prevent unauthorized access
- C) Admin privileges for monitor all over the site and update

4) Integration Requirements:

- A) Integration with map services for displaying tourist locations
- B) Integration with chatbot platform for user assistance

5) Compliance and Accessibility:

- A) Compliance with data protection laws and regulations
- B) Accessibility features to ensure usability for all users

2.4 Non-Functional Requirements:

1) Usability:

- A) Easy to use
- B) Fast to store data in database
- C) User could mix up the number and text input some times

2) Security:

- A) High Security
- B) All the passwords are hashed
- C) Session control

3) Maintainability:

- A) Easy to maintain
- B) Can be maintained during the use

4) Compatibility:

- A) This application operates effectively across all major web browsers, such as Chrome, Firefox, and Edge.
- B) This application is designed to be compatible with a range of devices and screen sizes, including desktops, laptops, tablets, and smartphones.
- C) Application's third-party services, APIs, and technologies that the application interacts with, such as map services and chatbot platforms.

2.5 Performance:

1) Response Time:

In this application the new load page will be response within 2-3 seconds.

2) Scalability:

This application is able to accept expected growth in user traffic over time and can handle increasing load gracefully

Chapter 3: System Design

3.1 Development Model: A development model, also known as a software development lifecycle model, is a framework that describes the stages and activities involved in the creation of software.

3.1 Use Case Diagram:

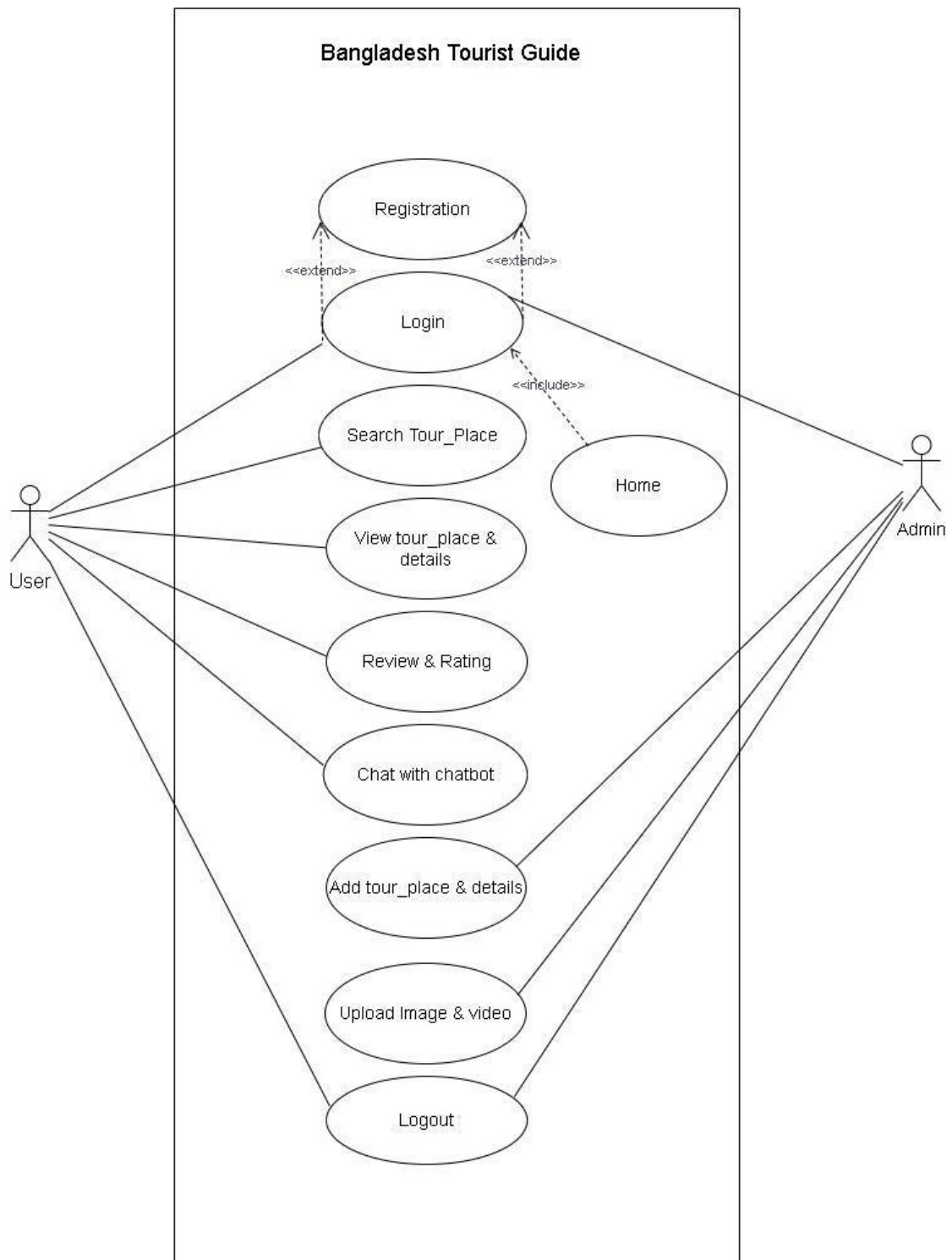


Figure: 3.1 Use Case Diagram

3.1.2 Use Case Descriptions:

3.1.2.1 Registration:

Table 3.1 Use Case Description for Registration

Case	Registration
Description	When a user tries to use this website then they have to registration in this system first.
Actors	User, Admin
Preconditions	Actors cannot use same email address twice
Post conditions	Actors have to be successfully registration
Main Course	1. The user must first complete the required Information. 2. Then user then clicks the “Signup” button to finalize the registration. 3. After successful registration the user will be able to log in the system.
Alternative Path	1. At step 2, if the required information has not or already existed the user will get back to the registration page with an error message.

3.1.2.2 Login:

Table 3.2 Use Case Description for Login

Case	Registration
Description	When a user tries to use this website then they have to login to this system.
Actors	Admin, User
Preconditions	Actors must have an existing account in this system.
Post conditions	Actors can gain access to the system.
Main Course	1. The user must first have an account. 2. The user then clicks the “Login” button and enters the required information to access the system. 3. After successful login, the user will be directed to the home page.
Alternative Path	1. If the required information does not match then step 2, the user will be redirect to the login page and receive an error message.

3.1.3 Search Tour Place:

Table 3.3 Use Case Description for Search Tour Place

Case	Search Tour Place
Description	When a user will try search a tour place
Actors	User
Preconditions	The user must be logged into the system.
Post conditions	The user can search tour place by entering keywords and by selecting options with the mouse.

Main course	1. At first user have to logged in the system. 2. In home page there has a search bar. 3. User have to select the search bar to type. 4. User will able to see a list of tour places are suggesting by the system. 5. User can scroll down and choose from the list or otherwise user can type the keyword to find the tour place.
Alternative Path	1. At step 2, if the user is not logged in, the system redirect them to the Login page.

3.1.4 Search Map:

Table 3.4 Use Case Description for Search Map

Case	Search Map
Description	When a user will try to search map to get the route of the location
Actors	User
Preconditions	The user must be logged into the system.
Post conditions	The user can search for a location using either location name or by entering the longitude and latitude.
Main Course	1. The user must be logged into the system. 2. The user must select a division from home page. 3. Inner the division page there have “map” option 4. After click on the map option customer will able to find a route of the tour place.
Alternative Path	1. At step 2, if the user is not logged in, the system will redirect them to the Login page.

3.1.5 Review & Rating:

Table 3.5 Use Case Description for Review & Rating

Case	Review & Rating
Description	When a user will try to give a review
Actors	User
Preconditions	The user must be logged into the system.
Post conditions	The user will successfully submit the review.
Main Course	1. At first, user will login to the system. 2. Then select any division in home page. 3. In division page there have „rate“ option. 4. After clicking rate option customer will able to give rating like star clicking and customer have give to their name and there review.

	5. After clicking submit button, the system will store the information in the database and redirect the user to the rating page.
Alternative Path	1. At step 2, if the user is not logged in, the system will redirect them to the Login page.

3.1.6 Chat with Chatbot:

Table 3.6 Use Case Description for Chat with Chatbot

Case	Chat with Chatbot
Description	When a user will try to give a review
Actors	User
Preconditions	The user must be logged into the system
Post conditions	The user will chat with chatbot
Main Course	1. At first, user will login to the system. 2. Then select any division in home page. 3. In division page there have "contact" option. 4. After clicking on the "contact" user will get 3 options to contact "chatbot" is one of them. 5. After selecting "chatbot" options the user will be able to chat with chatbot.
Alternative Course	1. At step 2, if the user is not logged in, the system will redirect them to the Login page.

3.1.7 Add Tour Place & Details:

Table 3.7 Use Case Description for Add Tour Place & Details

Case	Add Tour Place & Details
Description	When admin will try to add a blog
Actors	Admin
Preconditions	The admin must be logged into the system
Post conditions	The admin will successfully add a blog
Main Course	1. At first, the user will log into the system. 2. Then select "add a blog" 3. Admin have to choose a cause he have to add blog under a division cause the tour place r separated by division basis. 4. After choosing the division he have to add the new tour place name. 5. Then choose a picture of the tourist place. 6. Then add title and description.
Alternative Path	1. At step 2, if the user is not logged in, the system will redirect them to the Login page.

3.1.7 Upload Image & Video:

Table 3.7 Use Case Description for Upload Image & Video

Case	Upload Image & Video
Description	When admin will try to upload image & video
Actors	Admin
Preconditions	The admin must be logged into the system
Post conditions	The admin will successfully update the information.
Main Course	1. At first, user will login to the system. 2. Then select the page where he want to upload video or image. 3. After select the page there admin select the choose file option. 4. After choosing the option admin can choose picture or video from his folder 5. Then choose a picture or video and click on the update button. 6. Picture or Video upload successfully
Alternative Path	1. At step 2, if the user is not logged in, the system redirect them to the Login page.

3.2 Activity Diagram:

3.2.1 Activity Diagram for Registration:

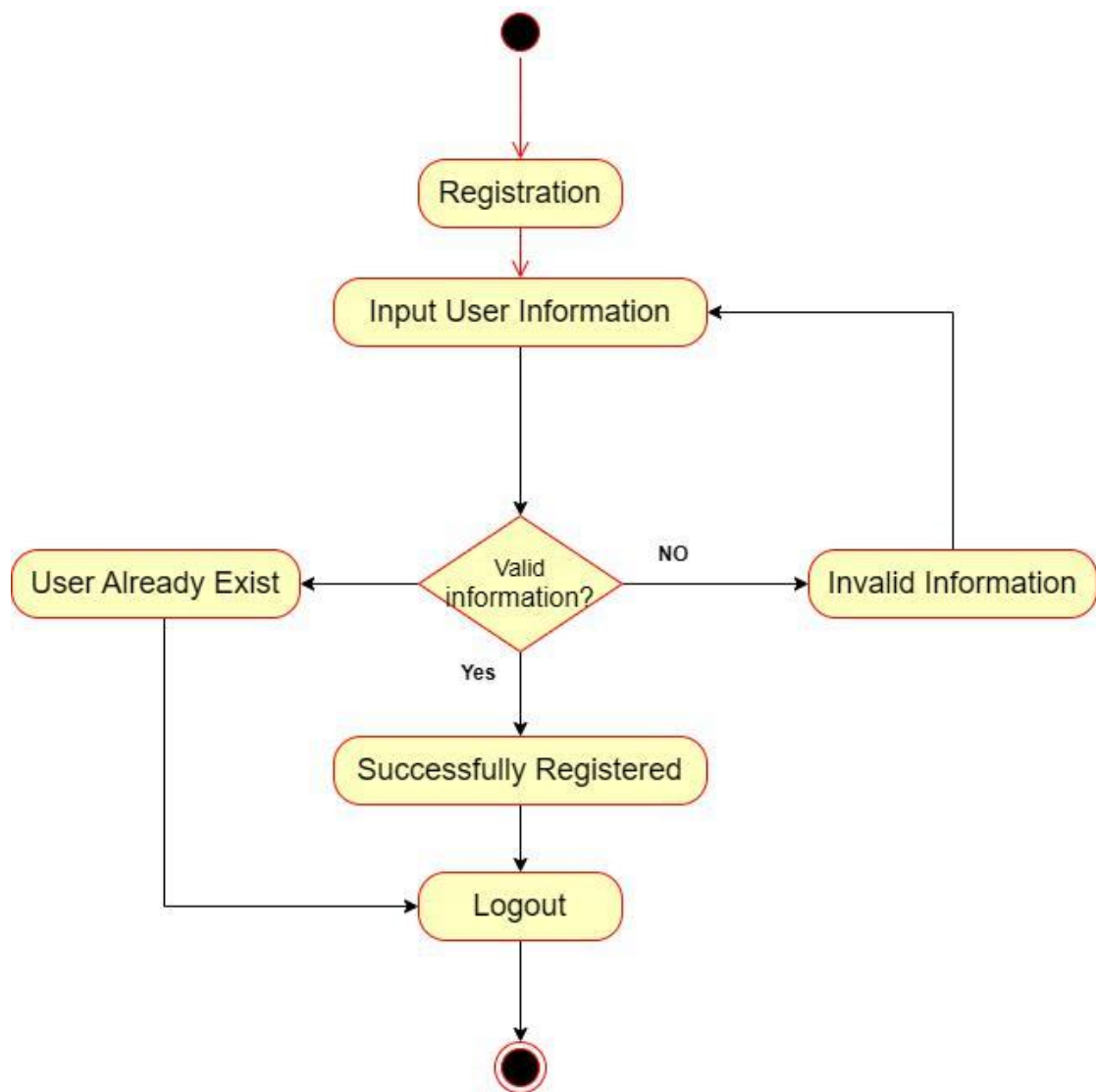


Figure 3.2.1: Activity Diagram for Registration

3.2.2 Activity Diagram for Login:

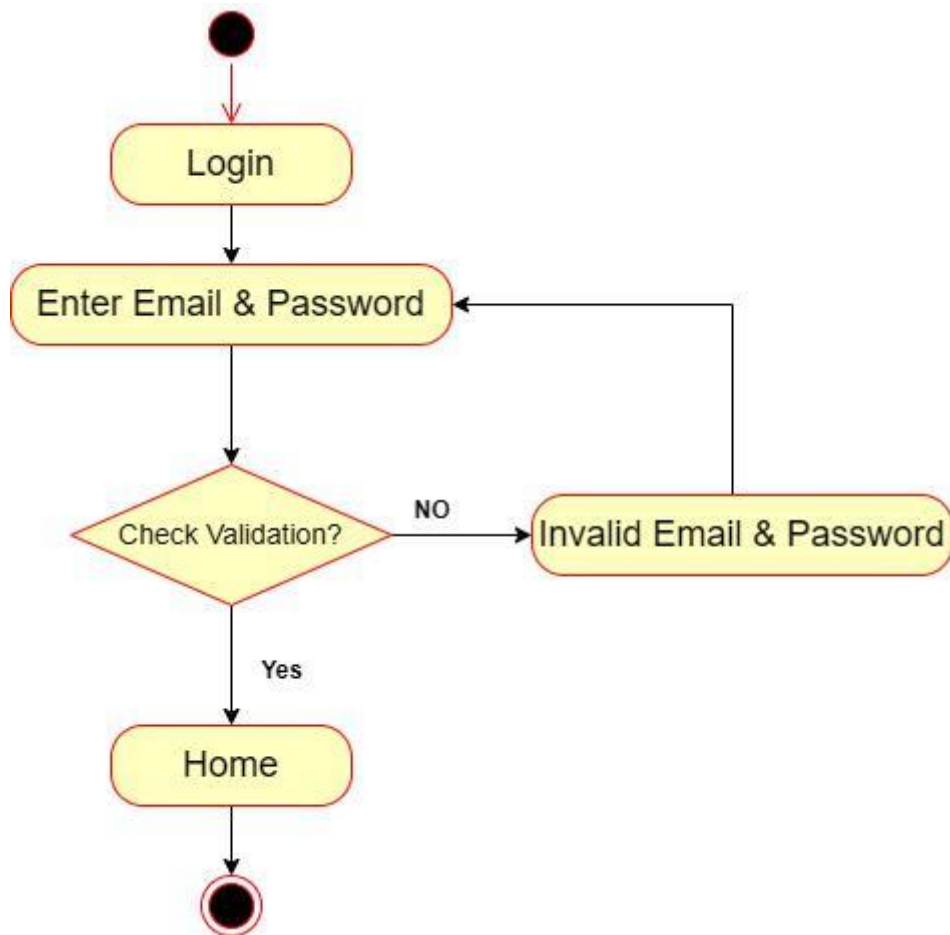


Figure 3.2.2: Activity Diagram for Login

3.2.3 Activity Diagram for Search Tour:

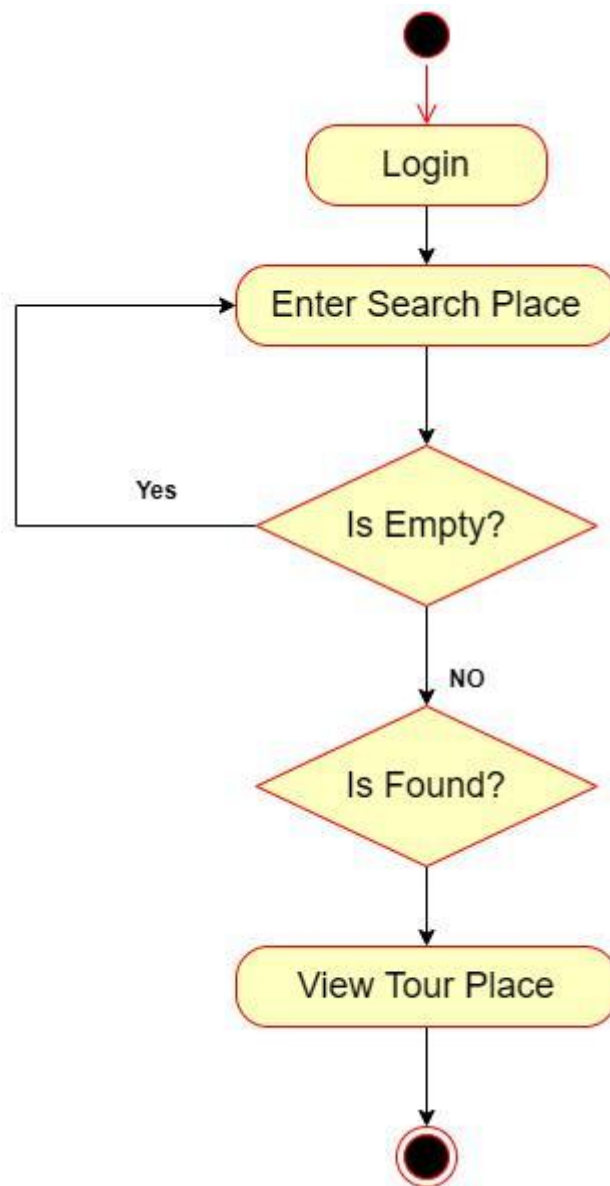


Figure 3.2.3 Activity Diagram for Search Tour

3.2.3 Activity Diagram for Search Map:

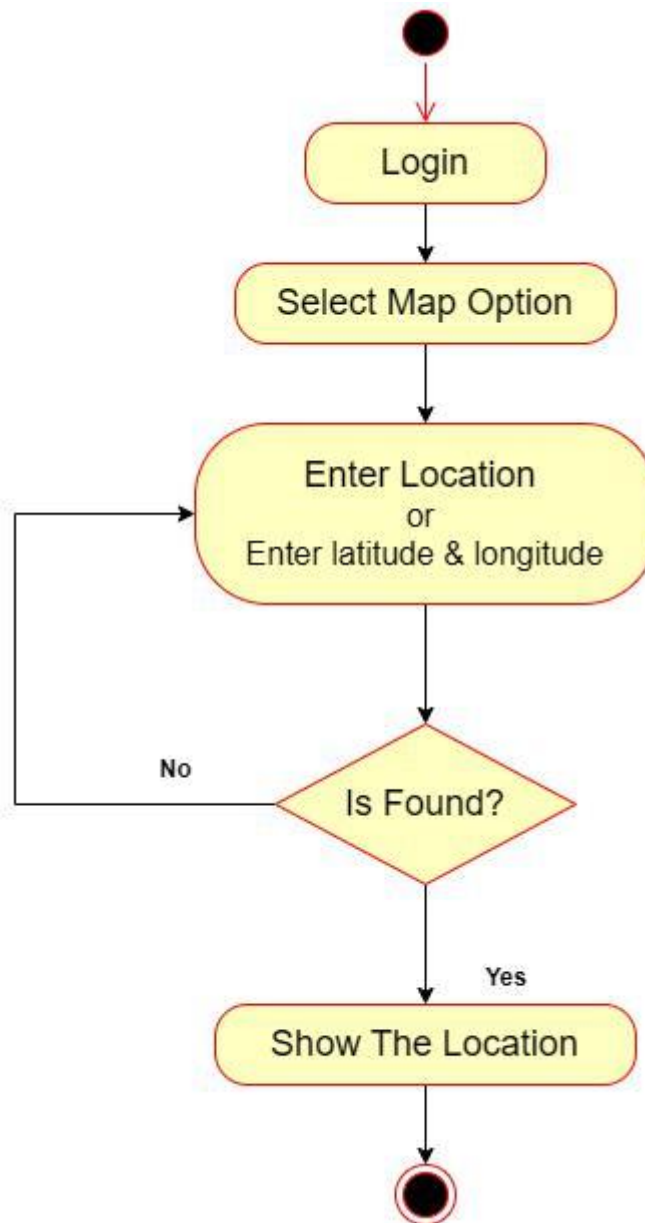


Figure 3.2.4: Activity Diagram for Search Map

3.2.5 Activity Diagram for Review & Rating:

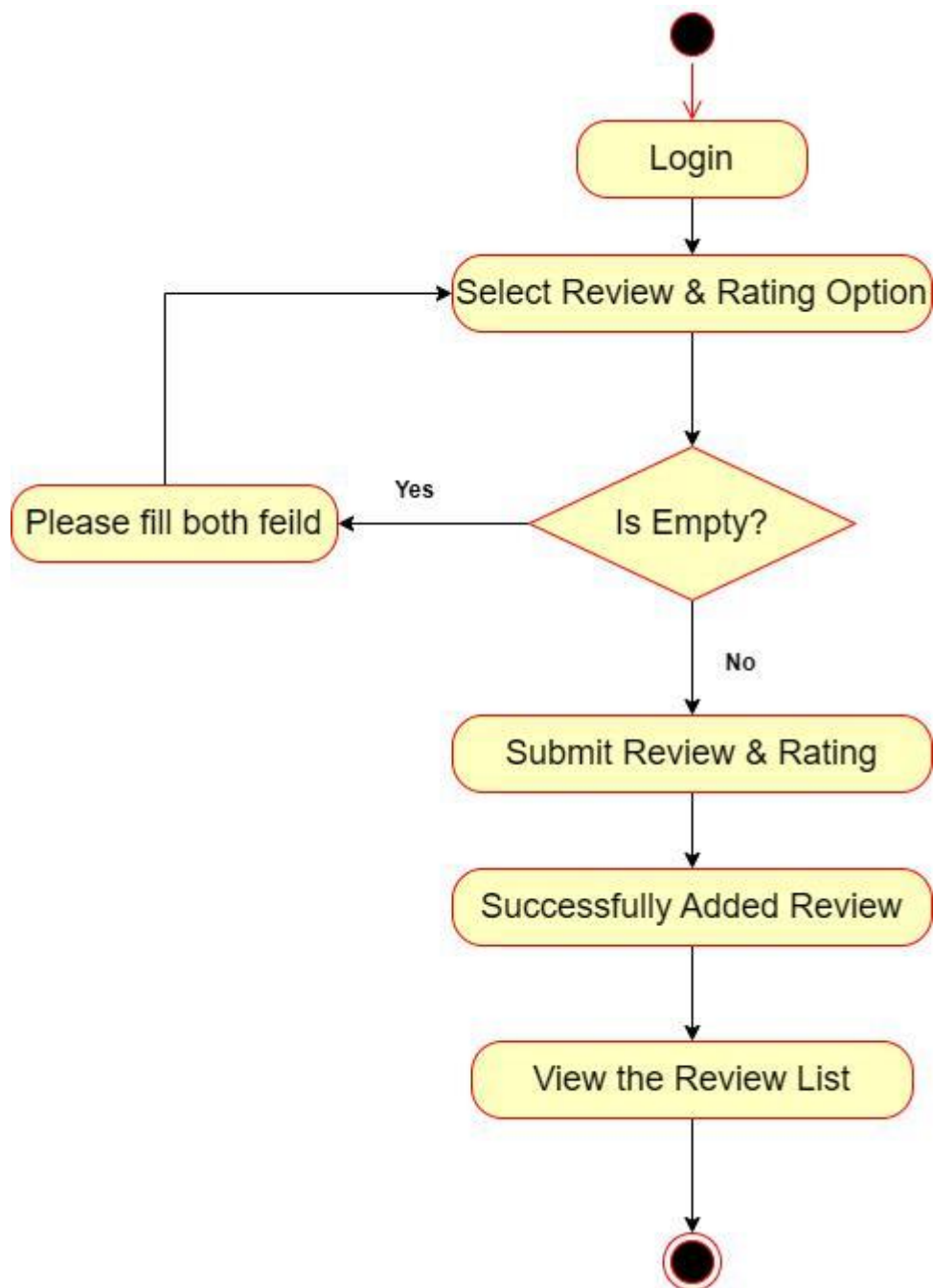


Figure 3.2.5: Activity Diagram for Review & Rating

3.2.6 Activity Diagram for Chatbot:

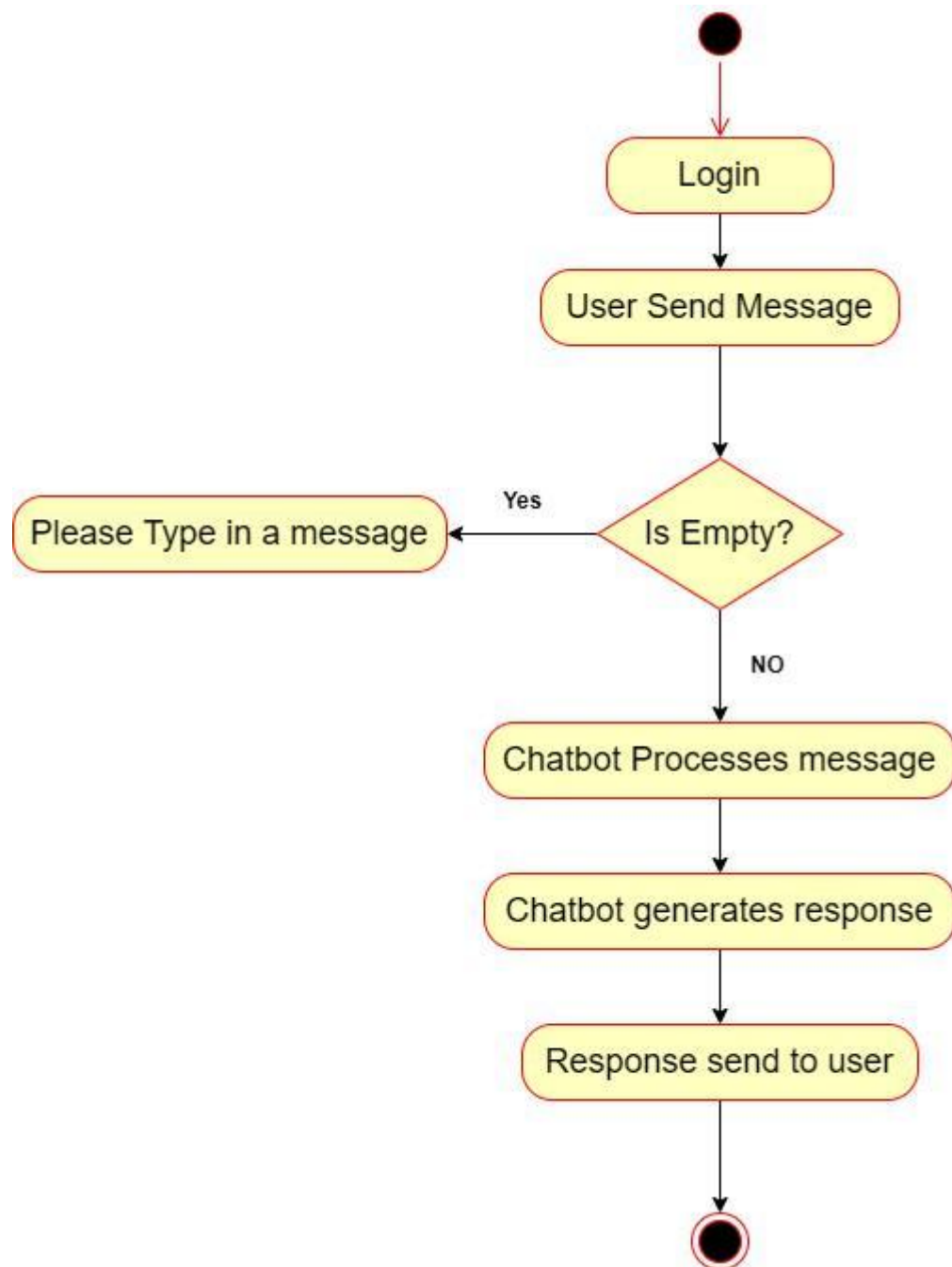


Figure 3.2.6: Activity Diagram for Chatbot

3.2.7 Activity Diagram for Add Tour Place/Add Blog:

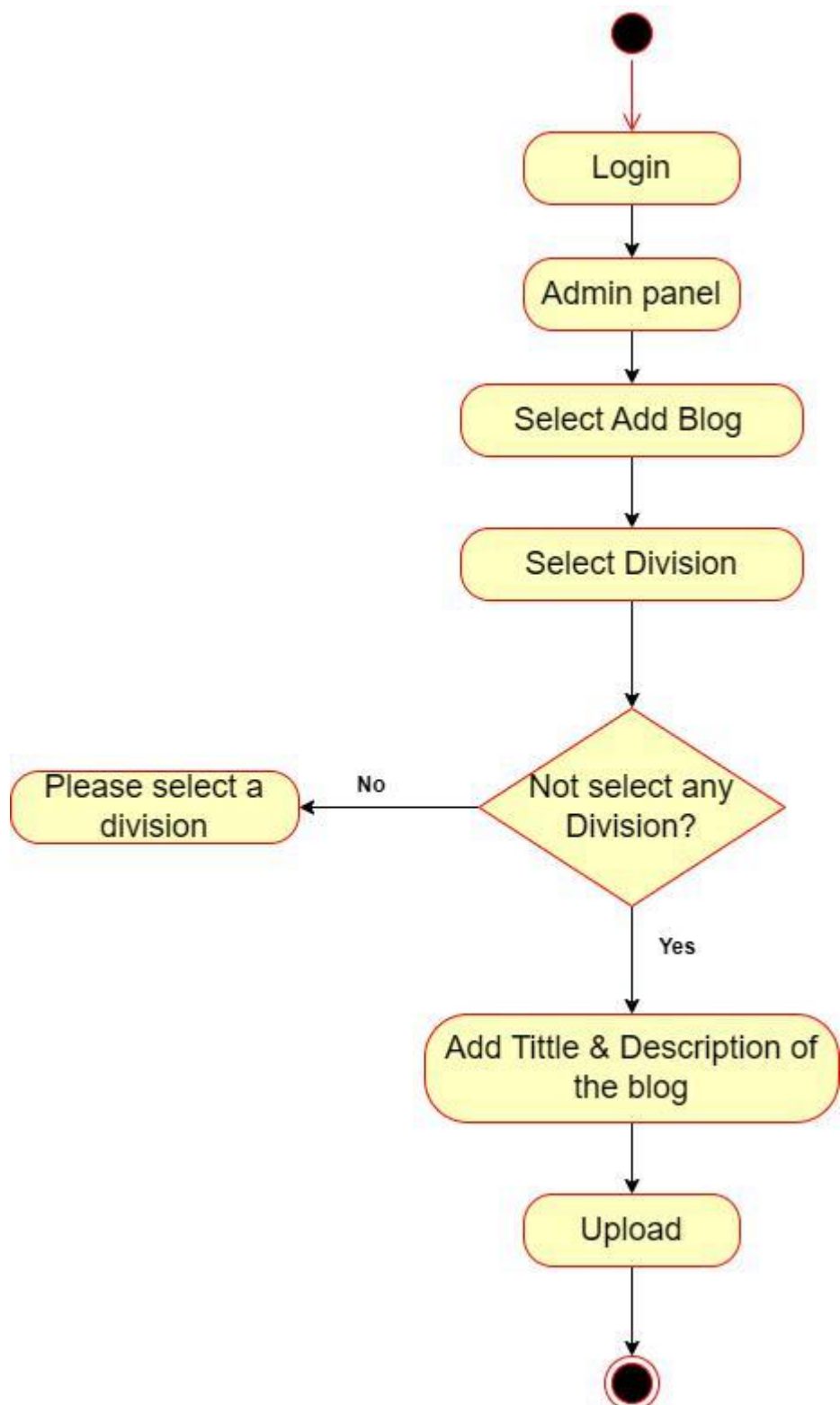


Figure 3.2.7: Activity Diagram for Add Tour Place/Add Blog

3.2.8 Activity Diagram for Upload Picture & Video:

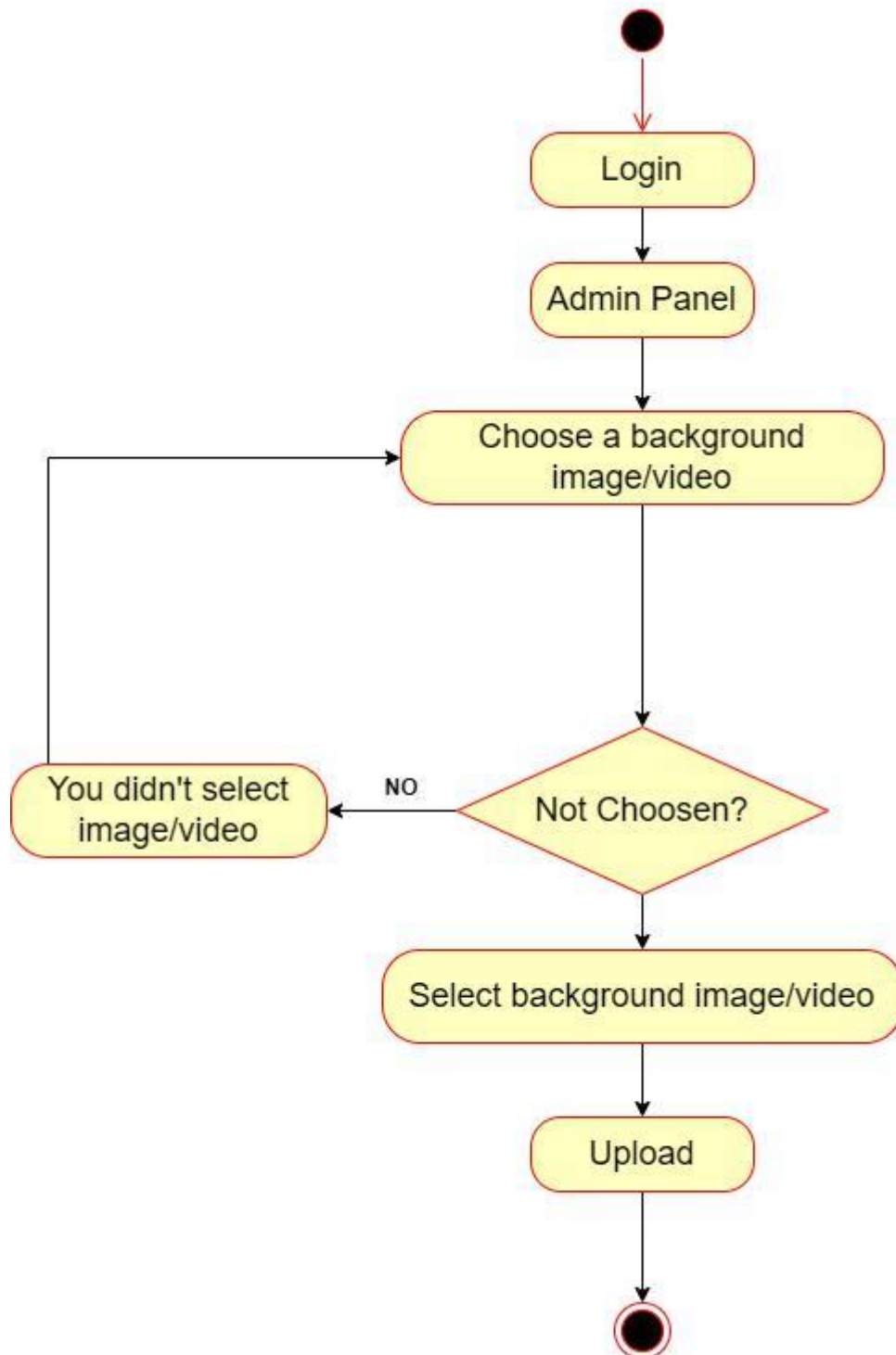


Figure 3.2.8: Activity Diagram for Upload Picture & Video

3.3 Sequence Diagram:

3.3.1 Sequence Diagram for Registration:

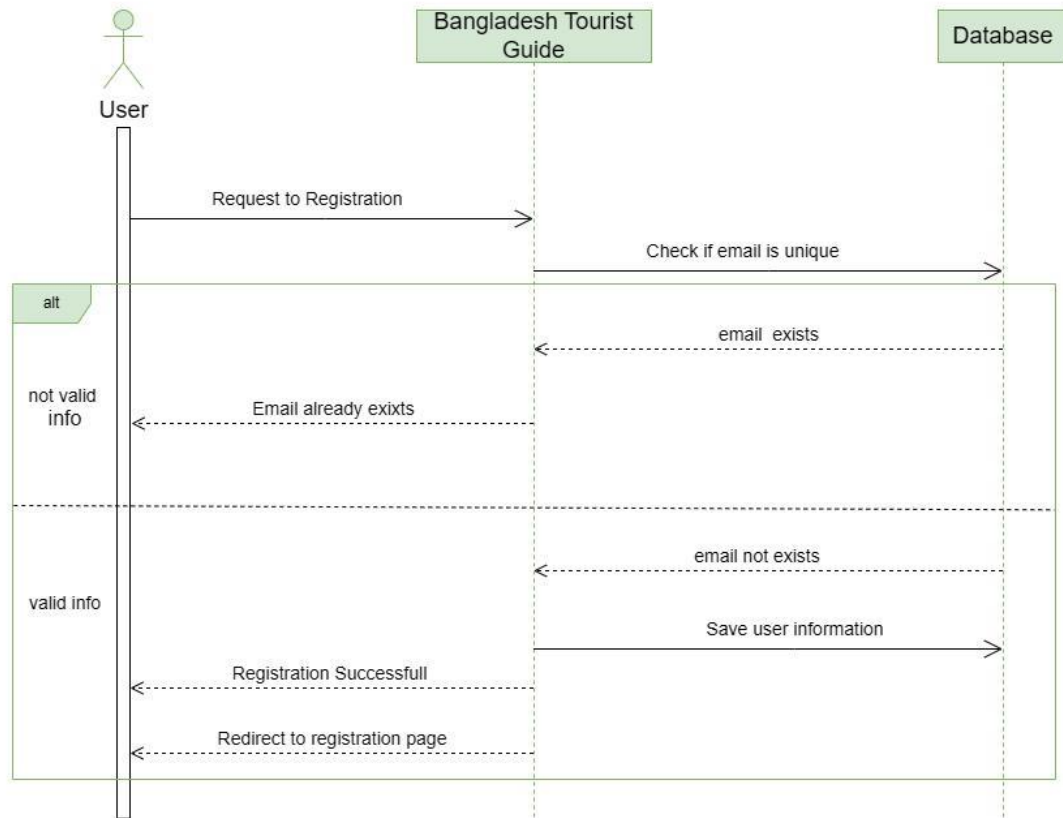


Figure 3.3.1: Sequence Diagram for Registration

3.3.2 Sequence Diagram for Login:

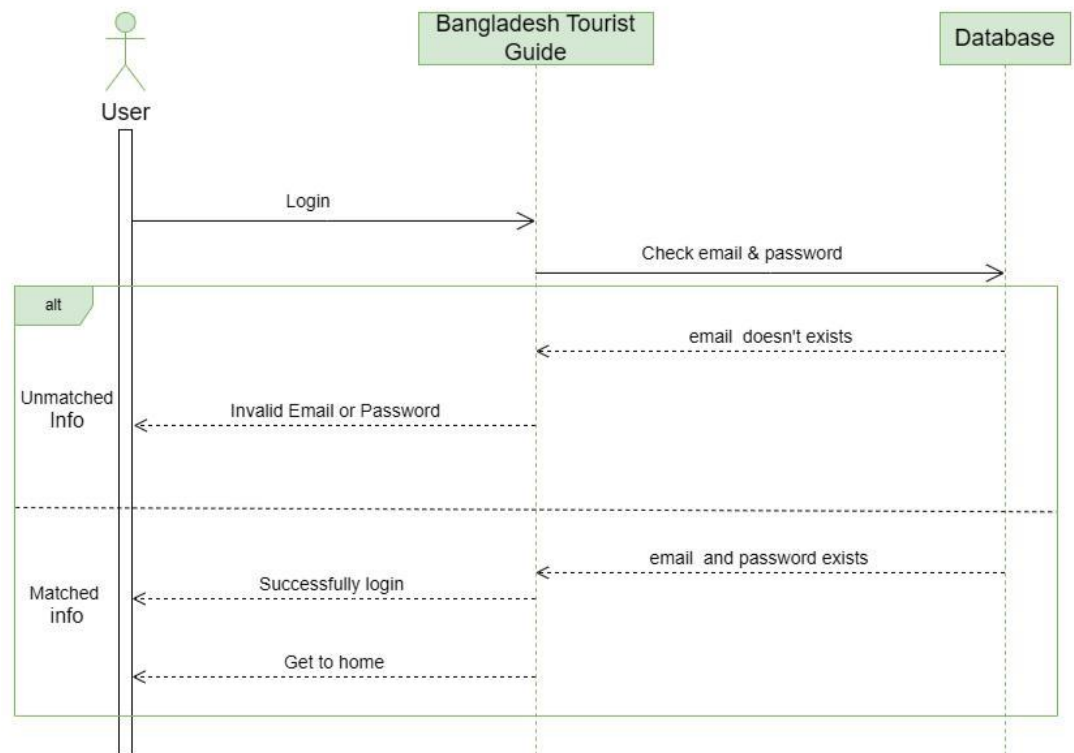


Figure 3.3.2: Sequence Diagram for Login

3.3.3 Sequence Diagram for Search Tour Place:

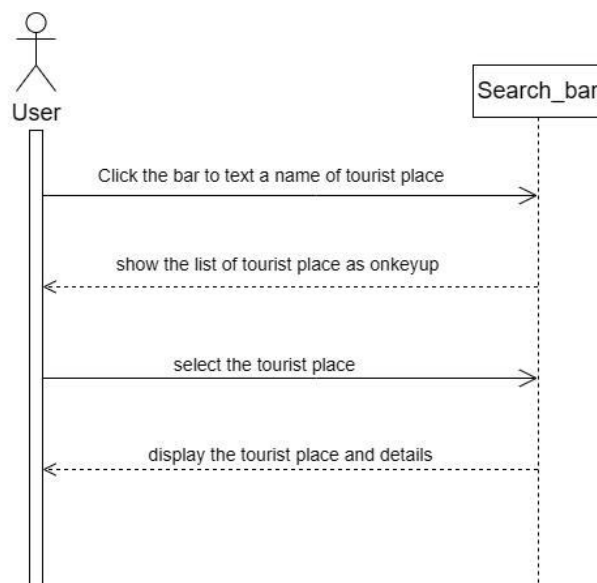


Figure 3.3.3 Sequence Diagram for Search Tour Place

3.3.4 Sequence Diagram for Top Places:

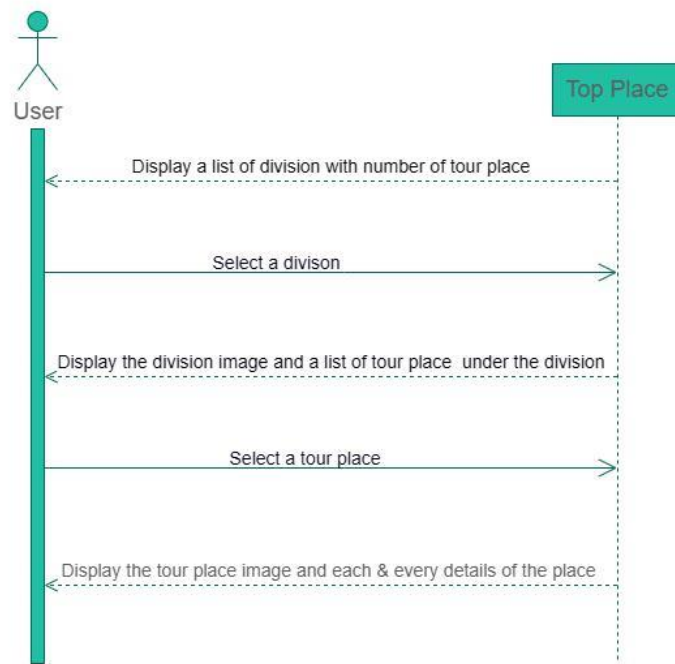


Figure 3.3.4 Sequence Diagram for Top Places

3.3.5 Sequence Diagram for Review & Rating:

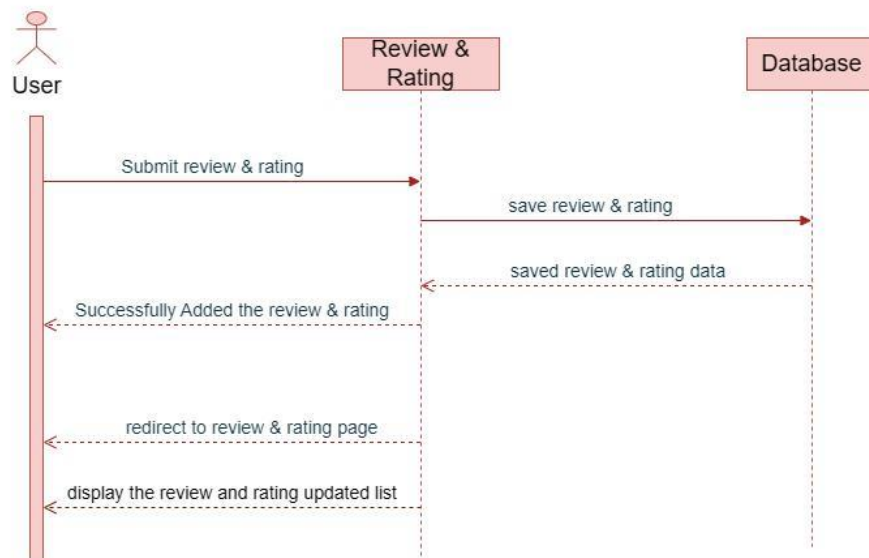


Figure 3.3.5: Sequence diagram for Review & Rating

3.3.6 Sequence Diagram for Chatbot:

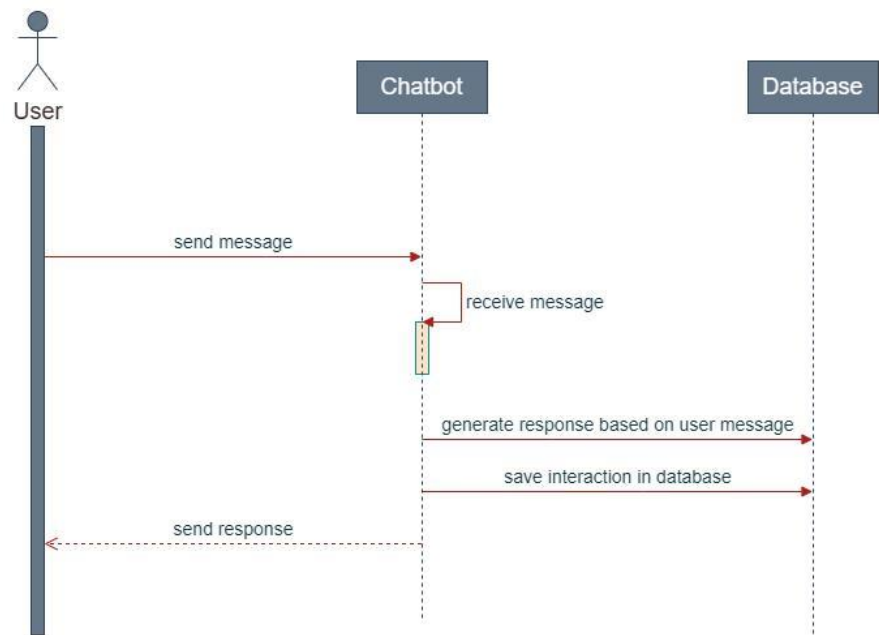


Figure 3.3.6: Sequence Diagram for Chatbot

3.3.7 Sequence Diagram for Add Tour Place/Add Blog:

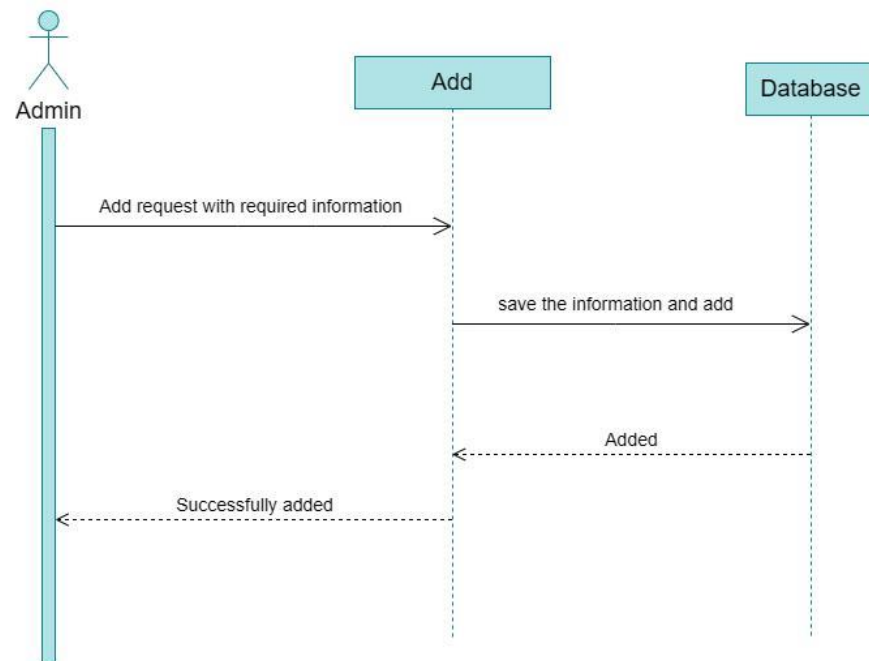


Figure 3.3.7: Sequence Diagram for Add tour Place/Add Blog

3.3.8 Sequence Diagram for Upload Image & Video:

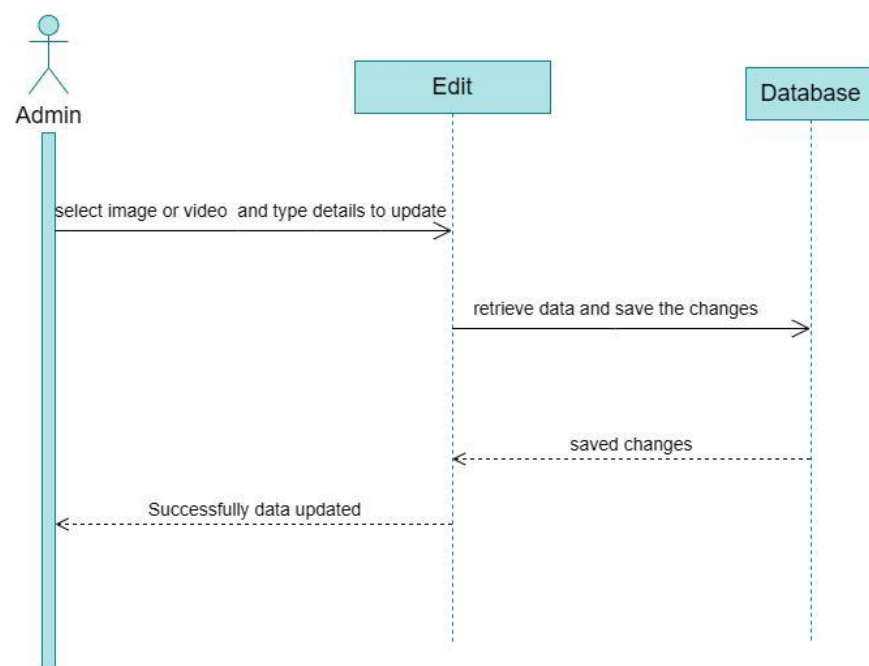


Figure 3.3.8: Sequence Diagram for Update Image & Video

3.3.9 Sequence Diagram for Search Map:



Figure 3.3.9: Sequence Diagram for Search Map

3.4 ERD Diagram:

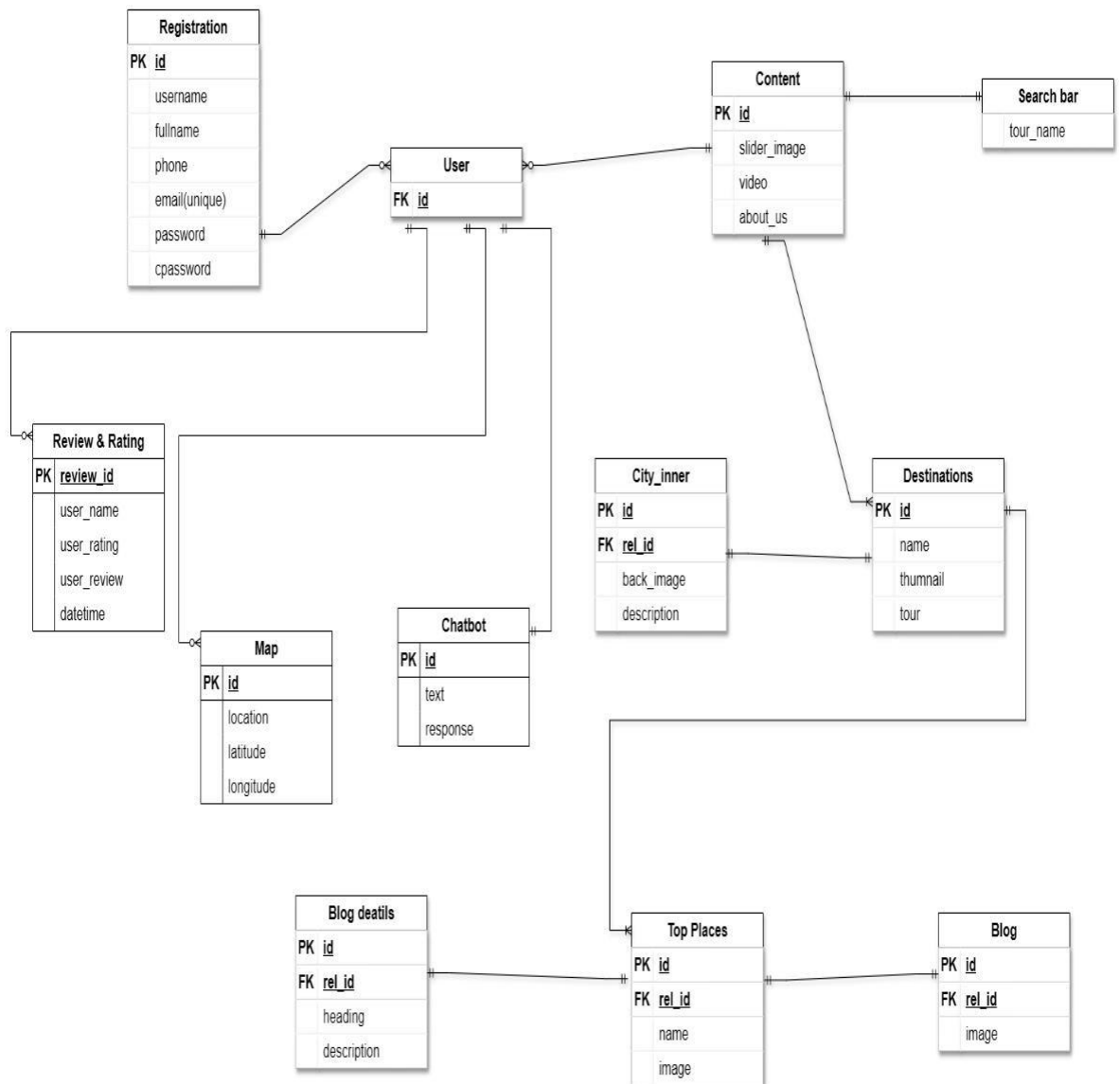


Figure 3.4: ERD Diagram

3.5 Class Diagram:

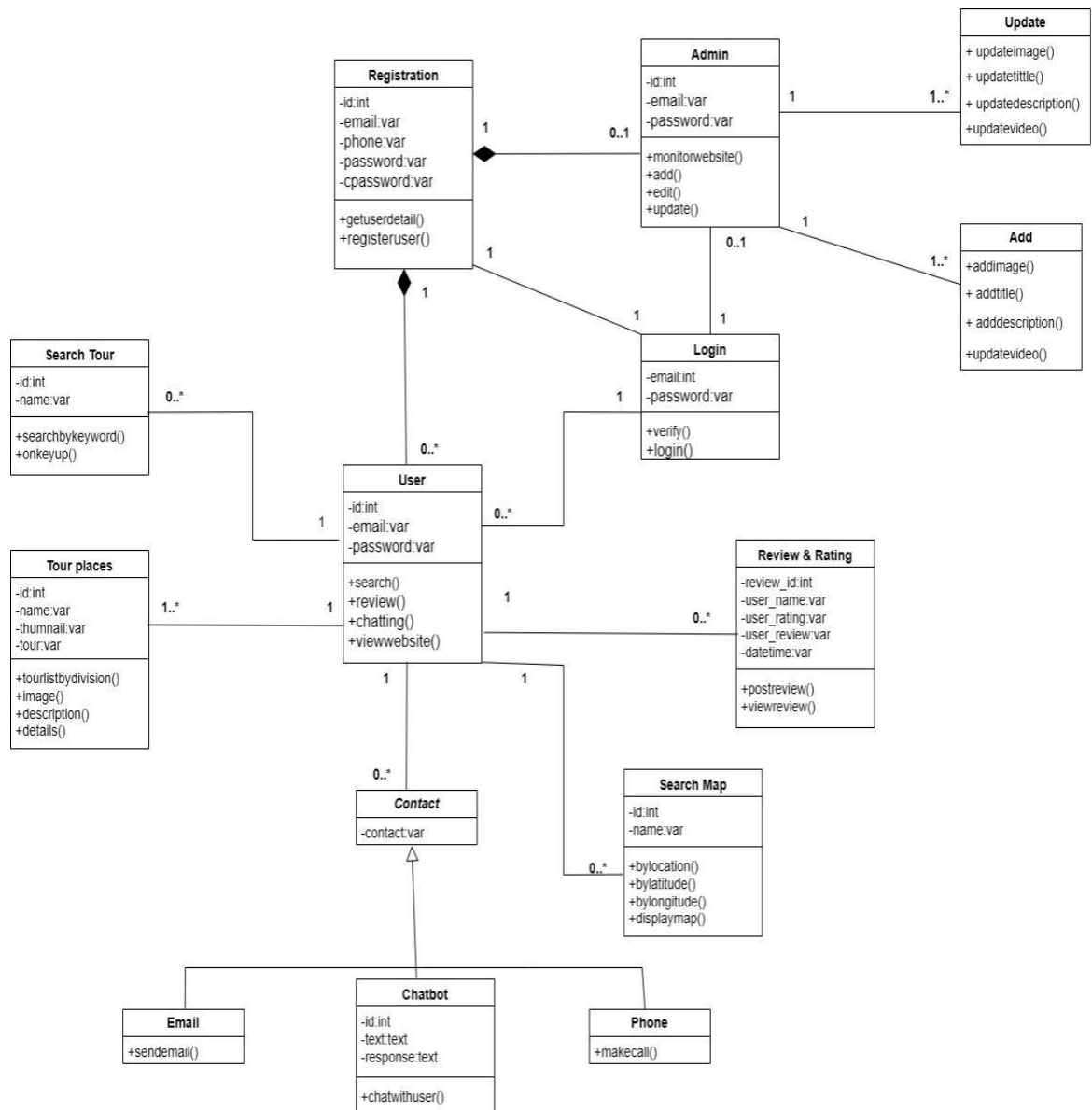


Figure 3.5: Class Diagram

Chapter 4: Development Tool & Technology

4.1 Integrated Development Environment(IDE):

Visual Studio Code is widely used by developers for various programming tasks. It offers a rich set of features including code editing and debugging. With its intuitive interface and robust functionality. I'm not an expert on coding, that's why I select visual studio for correcting codes by highlighting the bugs and I can correct those bugs easily.

4.2 Programming Language:

I used PHP as backend for my website. I choose it for its simplicity. It is commonly used for web development.

4.3 User Interface Design:

It is a very important part of a website. People are attracted by UI. People follow those websites more which have the best UI level. For this reason, I have used some tools and technology like CSS, JavaScript and also frameworks and library like jQuery, Bootstrap, font awesome.

4.4 Database:

MySQL is an open-source relational database management system known for its ease of use and robust security features. It provides a straightforward way to store and manage data while ensuring high levels of data protection. Protect my data from any unauthorized access. There are many good reasons for choosing this. But this is the main reason for providing performance, ease of use at no cost.

4.5 Deployment and Hosting:

For deployment and hosting, I prefer Apache server for my project. Because it is a stable, flexible, and well-supported platform for hosting PHP applications. That's why I selected this server for my project.

Chapter 5: System Testing

5.1 Testing Features

Software testing involves evaluating whether the actual outcomes align with the expected results. As well as ensuring that the system is bug free and works as per the actor's requirements. Along with giving the proper output.

5.1.1 Features to be tested:

Table 5.1: Features to be tested

FEATURE ID	FEATURE NAME	DESCRIPTION	INVOLVED ACTOR
ST001	Registration	Registration with Unique Email address	User, Admin
ST002	Login	Login as authenticated	User, Admin
ST003	Search Map	When a user wants to go out for a tour, they will search location in map for location route	User
ST004	Review & Rating	When user wants to review and rating the app then user give review	User
ST005	Chat with Chatbot	When user wants to know any information about the website then user chat with chatbot	User
ST006	Add Blog	When admin adds a new tourist place with picture details then he adds a blog.	Admin
ST007	Upload Image & Video	When Admin needs to chance the overview by image or video then admin upload image or video	Admin

5.2 Testing Strategies: The following testing strategies are employed:

- A) Functional Testing
- B) User Interface Testing
- C) Integration Testing
- D) Performance Testing
- E) Recovery Testing
- F) Security Testing
- G) Usability Testing
- H) Compatibility Testing
- I) Regression Testing
- J) Data Integrity Testing

5.2.1 Test Approach:

A)Unit Testing: Unit testing is a method where individual units or components of software are tested in isolation. This approach focuses on validating each class or module separately to ensure it functions correctly.

B)Integration Testing: Integration testing follows unit testing and involves evaluating how different units or components of the software work together. This method assesses the interactions and data flow between integrated modules to ensure they function cohesively.

C)System Testing: System testing involves evaluating the entire system as a complete entity to ensure that all components and units function correctly together and meet the specified requirements.

5.2.2 Pass/Fail Criteria: Here are all-feature's pass/fail criteria:

5.2.2.1 Registration

Table 5.2: Table for Registration Pass/Fail criteria

STEP	ACTION	TEST APPROACH	EXPECTED RESULT	ACTUAL RESULT	PASS/ FAIL
01	Re-use email	Unit, Integration& system testing	Display error message with “email already Used” & redirect to registration Page	Display error message with “email already Used” & redirect to registration page	Pass
02	Enter an empty value for any required field	Unit, Integration& system testing	Indicate those empty field to fill up and redirect to registration page	Indicate those empty field to fill up and redirect to registration page	Pass
03	Unmatched Password & Repeat Password	Unit, Integration& system testing	Display error message with “password not matching” and redirect to registration page	Display error message with “password not matching” and redirect to registration page	Pass
04	Enter all accurate information	Unit, Integration& system testing	Display success message and redirect the user to the Login Page.	Display success message and redirect the user to the Login Page.	Pass

5.2.2.2 Login

Table 5.3: Table for Login Pass/Fail criteria

STEP	ACTION	TEST APPROACH	EXPECTED RESULT	ACTUAL RESULT	PASS/ FAIL
01	Incorrect email	Unit, Integration & system testing	Display error message with „invalid email“ & redirect to registration page	Display error message with „email already used“ & redirect to registration page	Pass
02	Incorrect Password	Unit, Integration & system testing	Show an error message stating ‘Incorrect Password’ and redirect the user to the login page	Show an error message stating ‘Incorrect Password’ and redirect the user to the login page	Pass
03	Enter empty value for any required field	Unit, Integration & system testing	Indicate those empty field to fill up & redirect login page	Indicate those empty field to fill up & redirect login Page	Pass
04	Enter all valid information	Unit, Integration & system testing	Display success message with “successfully login” and redirect to the home page	Show a success message with “successfully Registered” and redirect to the home page	Pass

5.2.2.3 Search Map:

Table 5.4: Table for Search Map Pass/Fail criteria

STEP	ACTION	TEST APPROACH	EXPECTED RESULT	ACTUAL RESULT	PASS/ FAIL
01	Search by location name	Unit, Integration & system testing	Display the Location	Display the Location	Pass

02	Enter empty value	Unit, Integration & system testing	Indicate to fill the required field and redirect to „Search Map“ Page	Indicate to fill the required field and redirect to „Search Map“ page	Pass
03	Search by latitude & longitude	Unit, Integration & system testing	Display the Location	Display the Location	Pass

5.2.2.4 Review & Rating:

Table 5.5: Table for Review & Rating Pass/Fail criteria

STEP	ACTION	TEST APPROACH	EXPECTED RESULT	ACTUAL RESULT	PASS/ FAIL
01	Only submit rating	Unit, Integration & system testing	Display an error Message stating “Fill all fields” and redirect to the rating page	Display an error message stating “Fill all fields” and redirect to the rating page	Pass
02	Give review without user name	Unit, Integration & system testing	Display an error message stating “Fill all fields” and redirect to the rating page	Display an error message stating “Fill all fields” and redirect to the rating page	Pass
03	Give review & rating without user name	Unit, Integration & system testing	Give review without user Name	Give review without user name	Pass
04	Enter all valid information	Unit, Integration & system testing	Display success message with “review inserted successfully” and redirect to review	Display success message with “review inserted successfully” and redirect to review	Pass

			& rating page with review	& rating page with Review	
05	Enter review & username without any rating	Unit, Integration & system testing	Display success message with “review inserted successfully” and redirect to review & rating page with review	Display success message with “review inserted Successfully” and redirect to review & rating page with review	Pass

5.2.2.5 Chat with Chatbot:

Table 5.6: Table for Chat with Chatbot Pass/Fail criteria

STEP	ACTION	TEST APPROACH	EXPECTED RESULT	ACTUAL RESULT	PASS/ FAIL
01	Send a relatable message about this project	Unit, Integration & system testing	Response with relatable answer in a second	Response with in a second	Pass
02	Send a non relatable message	Unit, Integration & system testing	Response with a fixed message predefined in the system	Response with a fixed message predefined in the system	Pass
03	Enter empty value	Unit, Integration & system testing	Display error message with “type in a Message”	Display error message with “type in a message”	Pass

5.2.2.6 Add Blog

Table 5.5: Table for Add Blog Pass/Fail criteria

STEP	ACTION	TEST	EXPECTED	ACTUAL	PASS/ FAIL
------	--------	------	----------	--------	------------

		APPROACH	RESULT	RESULT	FAIL
01	Not logged in	Unit, Integration & system testing	Display an error message and redirect the user to the login page	Display an error message and redirect the user to the login page.	Pass
02	Enter Empty value	Unit, Integration & system testing	Display an error message and redirect the user to The add blog page	Display an error message and Redirect the user to the add blog page	Pass
03	Enter Wrong information	Unit, Integration & system testing	Display error message & redirect to the add blog page	Display error message & redirect to the add blog page	Pass
04	Not select any division	Unit, Integration & system testing	Never will add a blog and redirect to the add blog page	Never will add a blog and redirect to the add blog page	Pass
05	Enter all information correctly and must select a division	Unit, Integration & system testing	Successfully add a tour place with details	Successfully add a tour place with details	Pass

5.2.2.7 Upload Image & Video:

Table 5.5: Table for Upload Image & Video Pass/Fail criteria

STEP	ACTION	TEST APPROACH	EXPECTED RESULT	ACTUAL RESULT	PASS/ FAIL
01	Not logged in	Unit, Integration& system testing	Display an error message and Redirect the user to the login page	Display an error message and redirect the user to the login page	Pass
02	Select larger size image then required size	Unit, Integration& system testing	Display error message with „image unable to upload“ & redirect to the upload page	Display error message with „image unable to upload“ & redirect to the upload page	Pass
03	Not select any image or video	Unit, Integration& system testing	Display error message with „select an image or video to upload“ & redirect to the upload page	Display error message with „select an image or video to upload“ & redirect to the upload page	Pass
04	Not select MP4, AVI, MOV, and MKV files	Unit, Integration& system testing	Display an error message stating“ Sorry, your file cannot be uploaded”	Display an error Message statin “Sorry, your file cannot be uploaded”	Pass
05	Enter all information correctly and must select a image or video	Unit, Integration& system testing	Successfully add a tour place with details	Successfully add a tour place with Details	Pass

5.2.3 Testing Schedule:

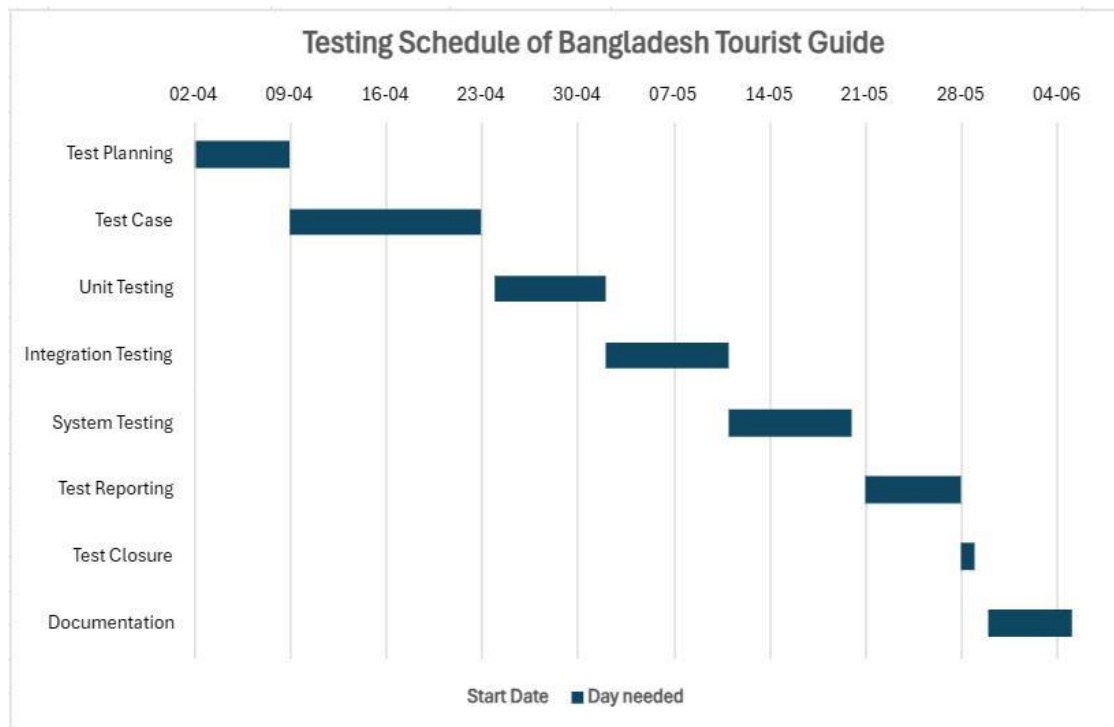


Figure 5.2.3: Testing Schedule

5.3 Test Cases:

5.3.1 Registration:

5.6: Test Case Table for Registration

Test Case #ST001			Test Case Name: Registration	
Test Case Priority: High			System: Windows 10	
Designed By: Nusrat Jahan			Designed date: 09.04.24	
Executed By: Nusrat Jahan			Executed date: 09.04.24	
Short Description: This section covers the functionalities related to user registration.				
Precondition: User cannot use same email address twice				
STEP	ACTION	EXPECTED RESULT	ACTUAL RESULT	PASS/FAIL
01	Re-use email	Show an error message with “email	Display error message with “email already	Pass

		already used" & redirect to registration page	used" & redirect to registration page	
02	Enter empty value for any required field	Indicate those empty field to fill up and redirect to registration page	Indicate those empty field to fill up and redirect to registration Page	Pass
03	Unmatched Password & Repeat Password	Display error message with "password not matching" and redirect to registration page	Display error message with "password not matching" and redirect to registration page	Pass
04	Enter all accurate information	Display success message with "successfully registered" and redirect to login page	Display success message with "successfully registered" and redirect to login page	Pass
Post conditions: User will registered and redirect to login page successfully				

5.3.2 Login:

5.7: Test Case Table for Login

Test Case #ST002			Test Case Name: Login	
Test Case Priority: High			System:	
Designed By: Nusrat Jahan			Designed date: 11.04.24	
Executed By: Nusrat Jahan			Executed date: 11.04.24	
Short Description: This section addresses the features required for users to log in to the website.				
Precondition: Actors have to be registered in the system				
STEP	ACTION	EXPECTED RESULT	ACTUAL RESULT	PASS/FAIL
01	Incorrect Email	Show an error message with "invalid email" & redirect to registration	Display error message with "email already used" & redirect to	Pass

		Page	registration page	
02	Incorrect Password	Display an error message stating “Incorrect Password” & Redirect the user to the Login page	Display an error message stating “Incorrect Password” & redirect the user to the Login page	Pass
03	Enter empty value for any required Field	Indicate those empty field to fill up & redirect login page	Indicate those empty field to fill up & redirect login page	Pass
04	Enter all Valid information	Display a success message stating “successfully logged in” and redirect the user to the home page	Display a success message stating “successfully logged in” and redirect the user to the home page	Pass
Post conditions: User will log in and redirect to home page successfully				

5.3.3 Search Map:

5.8: Test Case Table for Search Map

Test Case #ST003			Test Case Name: Search Map	
Test Case Priority: High			System:	
Designed By: Nusrat Jahan			Designed date: 13.04.24	
Executed By: Nusrat Jahan			Executed date: 13.04.24	
Short Description: This section manages the features required for users to log in to the website.				
Precondition: The actors must be logged into the system				
STEP	ACTION	EXPECTED RESULT	ACTUAL RESULT	PASS/FAIL
01	Search by location name	Display the location	Display the location	Pass
02	Enter empty	Indicate to fill the	Indicate to fill the	Pass

	value	required field and redirect to „Search Map“ page	required field and redirect to „Search Map“ page	
03	Search by latitude & longitude	Display the location	Display the location	Pass
Post conditions: User will search location successfully				

5.3.4 Review & Rating

5.9: Test Case Table for Review & Rating

Test Case #ST004			Test Case Name: Login	
Test Case Priority: High			System:	
Designed By: Nusrat Jahan			Designed date: 15.04.24	
Executed By: Nusrat Jahan			Executed date: 15.04.24	
Short description: This section manages the features required for users to log in to the website.				
Precondition: Actors must have registered in this system				
STEP	ACTION	EXPECTED RESULT	ACTUAL RESULT	PASS/FAIL
01	Only submit rating	Show an error message indicating “Complete all Fields” And redirect the user to the rating page	Show an error message indicating “Complete all Fields” And redirect the user to the rating page	Pass
02	Give review without user name	Show an error message indicating “Complete all Fields” And redirect the user to the rating page	Show an error message indicating “Complete all Fields” And redirect the user to the rating page	Pass
03	Give review & rating without username	Give review without Username	Give review without username	Pass

04	Enter all valid information	Display success message with “review inserted successfully” and redirect to review & rating page with review	Display success message with “review inserted successfully” and redirect to review & rating page with Review	Pass
05	Enter review & username without any rating	Display success message with “review inserted successfully” and redirect to review & rating page with review	Display success message with “review inserted successfully” and redirect to review & rating page with Review	Pass
Post conditions: User will give review & rating successfully and redirect to review & rating page and see the review list				

5.3.5 Chatbot

5.10: Test Case Table for Chatbot

Test Case #ST005			Test Case Name: Chatbot	
Test Case Priority: High			System:	
Designed By: Nusrat Jahan			Designed date: 17.04.24	
Executed By: Nusrat Jahan			Executed date: 17.04.24	
Short description: This section manages the features required for users to log in to the website.				
Precondition: Actors must have to be logged into the system				
STEP	ACTION	EXPECTED RESULT	ACTUAL RESULT	PASS/FAIL
01	Send a relevant message regarding this project	Response with relatable answer in a second	Response with in a Second	Pass
02	Send a non-relatable	Response with a fixed message which set in	Response with a fixed message which set in	Pass

	message	the system	the system	
03	Enter empty value	Display error message with “type in a Message”	Display error message with “type in a Message”	Pass
Post conditions: User will be able to chat with chatbot smoothly				

5.3.6 Add Blog

5.11: Test Case Table for Add Blog

Test Case #ST006			Test case name: Add Blog	
Test Case Priority: High			System:	
Designed By: Nusrat Jahan			Designed date: 19.04.24	
Executed By: Nusrat Jahan			Executed date: 19.04.24	
Short description: This section manages the functionalities for admins to add a blog to the system.				
Precondition: Admins must be logged into the app				
STEP	ACTION	EXPECTED RESULT	ACTUAL RESULT	PASS/FAIL
01	Not logged in	Show an error message and redirect The user to the login page	Show an error message and redirect The user to the login page	Pass
02	Enter Empty value	Show an error message and redirect The user to the add blog page	Show an error message and redirect The user to the add blog page	Pass
03	Enter Wrong information	Display error message & redirect to the add blog page	Display error message & redirect to the add blog page	Pass
04	Not select any division	Never will add e blog and redirect to the add blog page	Never will add e blog and redirect to the add blog page	Pass

05	Enter all information correctly and must select a division	Successfully add a tour place with Details	Successfully add a tour place with details	Pass
Post conditions: Admin will add a tour place & details as a blog				

5.3.6 Upload Image and Video

5.12: Test Case Table for Upload Image & Video

Test Case #ST007			Test case name: Upload Image and Video	
Test Case Priority: High			System:	
Designed By: Nusrat Jahan			Designed date: 21.04.24	
Executed By: Nusrat Jahan			Executed date: 21.04.24	
Short description: This section manages the features for admins to add blogs to the system.				
Precondition: Admins have to be logged into the app.				
STEP	ACTION	EXPECTED RESULT	ACTUAL RESULT	PASS/FAIL
01	Not logged in	Show an error message and redirect the admin to the login page	Show an error message and redirect the admin to the login page	Pass
02	Enter Empty value	Show an error message & redirect the admin to the upload page	Show an error message & Redirect the admin to the upload page	Pass
03	Select larger size image then required size	Display error message with “image unable to Upload” & redirect	Display error message with “image unable to upload” & redirect to the upload page	Pass

		to the upload page		
04	Not select any image or video	Display error message with „select an image or video to upload“ & redirect to the upload page	Display error message with „select an image or video to upload“ & redirect to the upload page	Pass
05	Not select MP4, AVI, MOV, and MKV files	Show an error Message stating“ Sorry, your file can not be uploaded“	Show an error message Stating ”Sorry, your file can not be uploaded“	Pass
06	Enter all information correctly and must select an image or video	Successfully add a tour place with Details	Successfully add a tour place with details	Pass
Post conditions: Admin will upload image or video perfectly				

Chapter 6: User Manual

6.1 User Manual for User:

6.1.1 Registration:

Users will provide all information in this form like username, full name, phone number, email and passwords. And must be their email should be unique and their password and repeat password should be same.

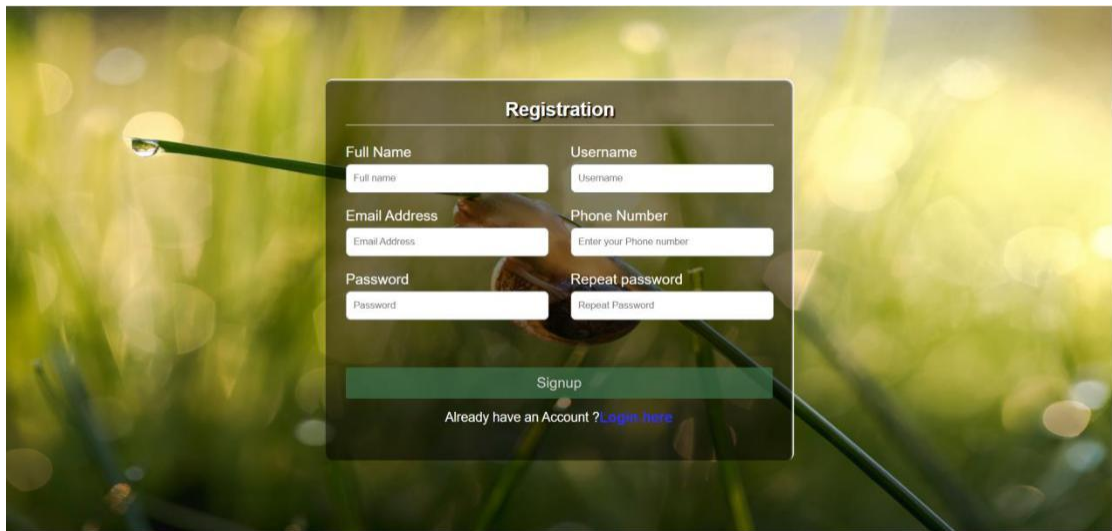
A registration form titled "Registration" is displayed over a background of green foliage with bokeh light effects. The form contains six input fields arranged in two columns: "Full Name" (with a sub-label "Full name"), "Email Address" (with a sub-label "Email Address"), "Password" (with a sub-label "Password"), "Username" (with a sub-label "Username"), "Phone Number" (with a sub-label "Enter your Phone number"), and "Repeat password" (with a sub-label "Repeat Password"). Below the fields is a green "Signup" button. At the bottom, there is a link that says "Already have an Account ? [Login here](#)".

Figure 6.1: Registration for user

6.1.2 Login:

After registration, the user can log into the app. Users must use their registered email and password for login.

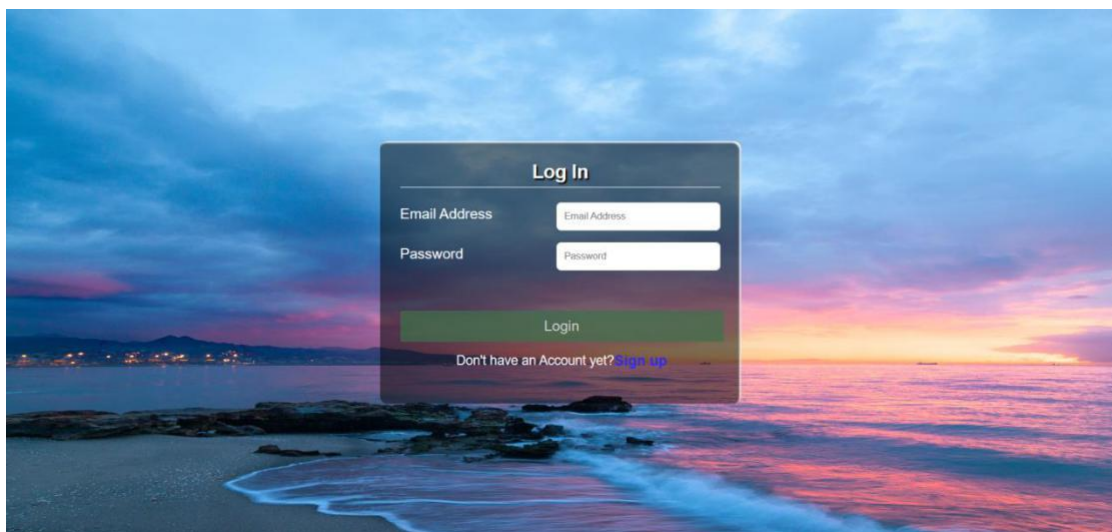
A login form titled "Log In" is displayed over a background of a sunset over the ocean. The form contains two input fields: "Email Address" (with a sub-label "Email Address") and "Password" (with a sub-label "Password"). Below the fields is a green "Login" button. At the bottom, there is a link that says "Don't have an Account yet? [Sign up](#)".

Figure 6.2: Login for user

6.1.3 Home Page:

After a successful login, the user will be directed to the home page.

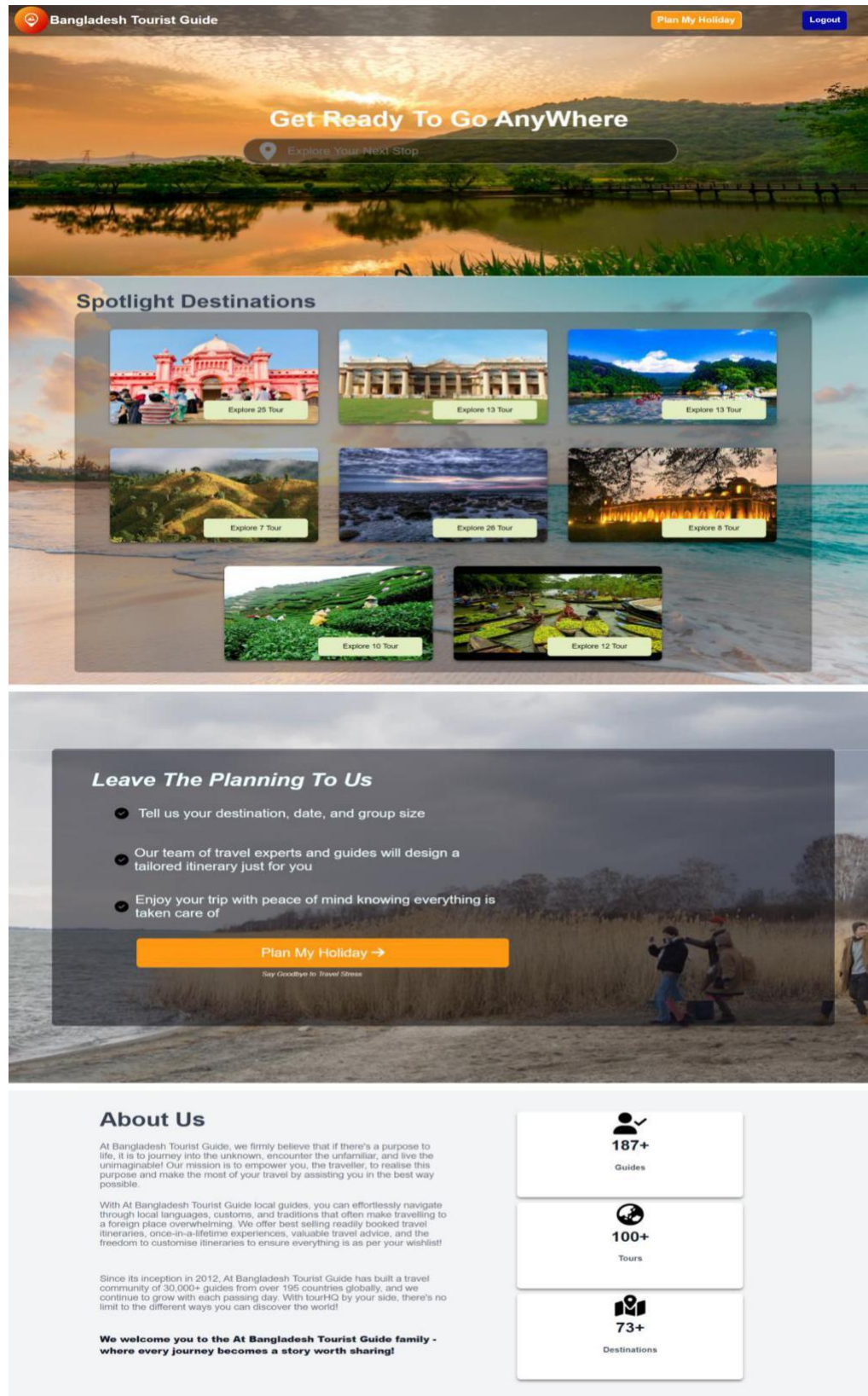


Figure 6.3: Home Page for user

6.1.4 Search Tour Place:

Users can search tour place by typing key word on search bar.

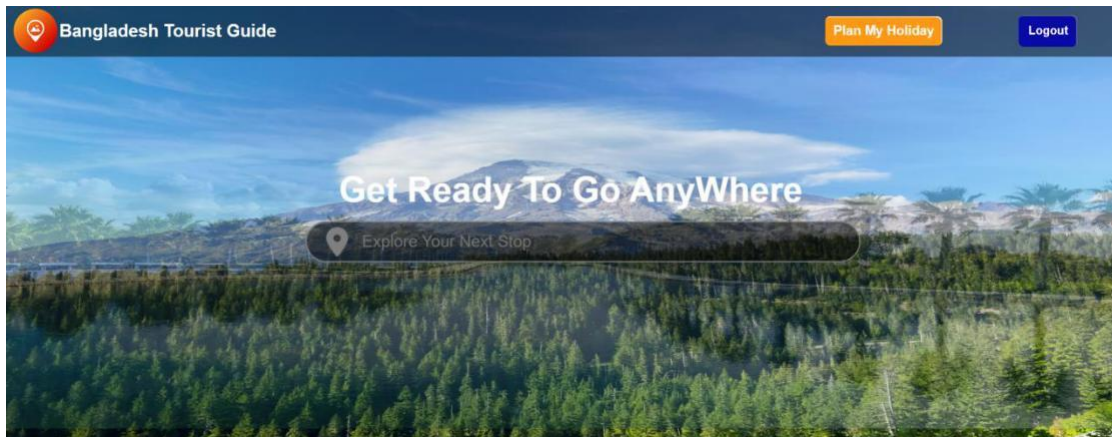


Figure 6.4: Search bar for user

6.1.5 Spotlight Destinations:

Here the tour places are divided into divisions. From here, the customer can easily know which places are under which division. And it will also know how many tour places there in which division are. By doing this, he can know about the two places around him and can also visit. So customer can select their division in which division they are.

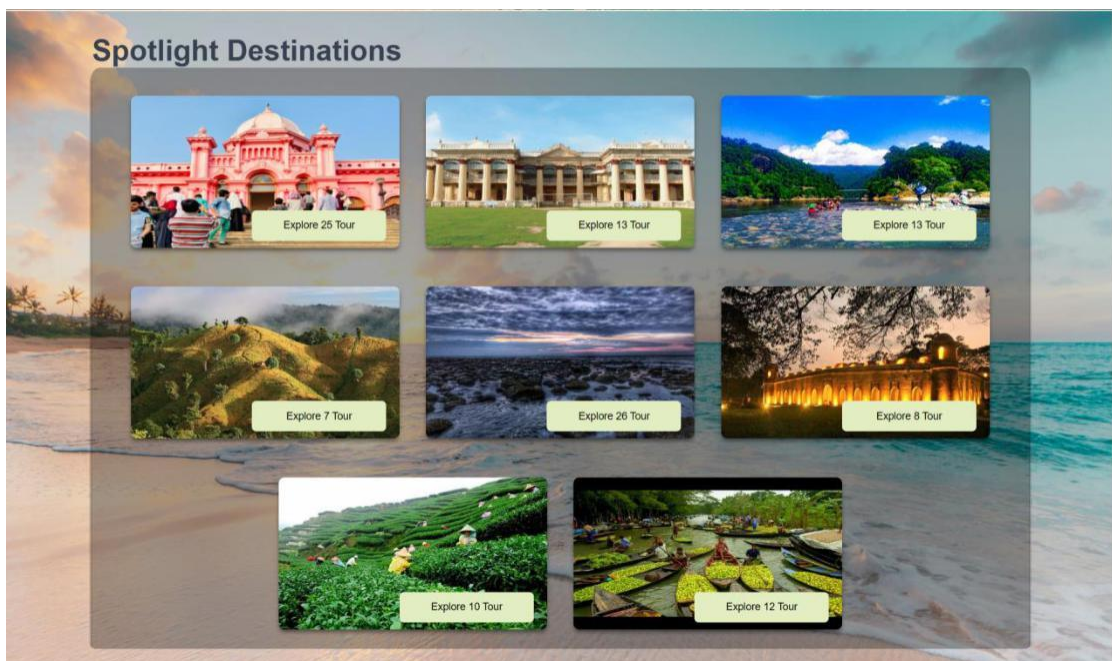


Figure 6.5: Spotlight Destinations for user

When customer will try to select and hover on the division the division thumbnail will like this ->

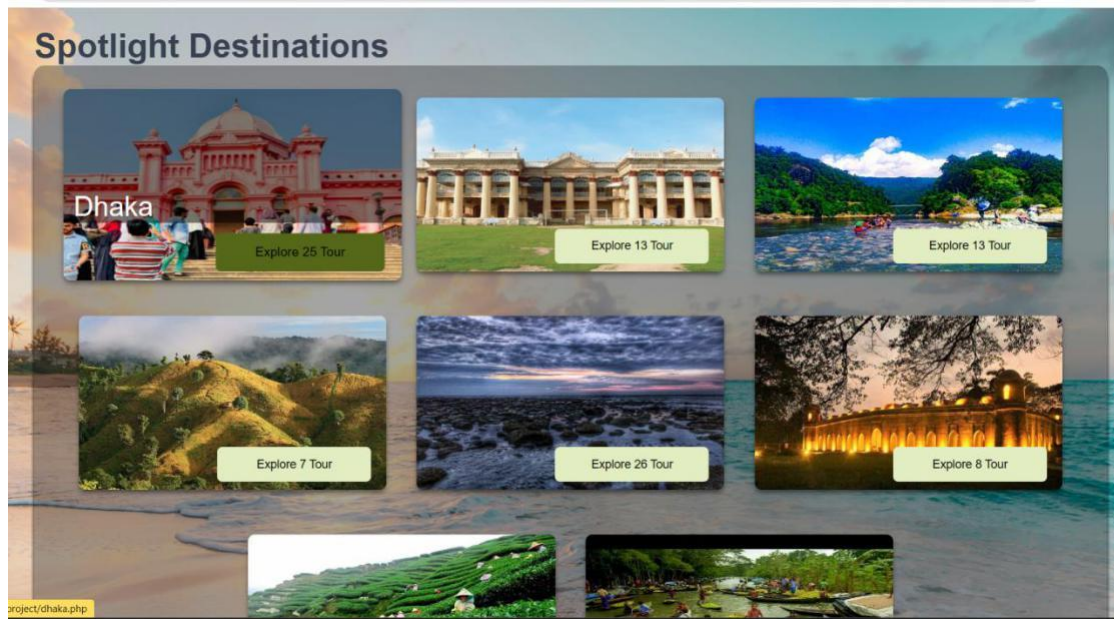


Figure 6.6: view for user

6.1.6 City Inner:

After selecting any of those divisions then the system will take the user to the city inner details page.

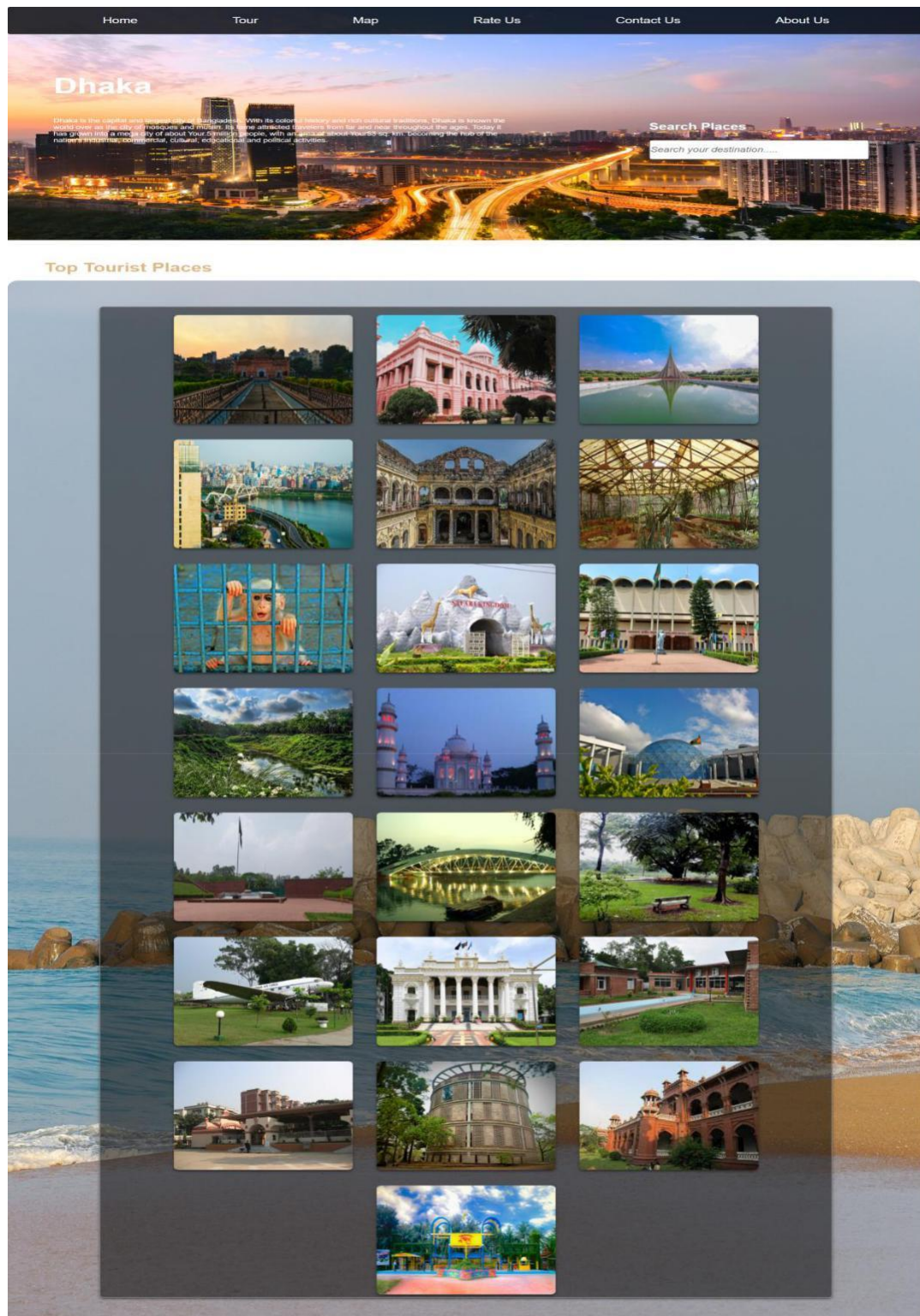


Figure 6.7: City inner for user

6.1.7 City details:

There the customer will know the history of the division and also can search. Those blogs can be searched which are under this division.

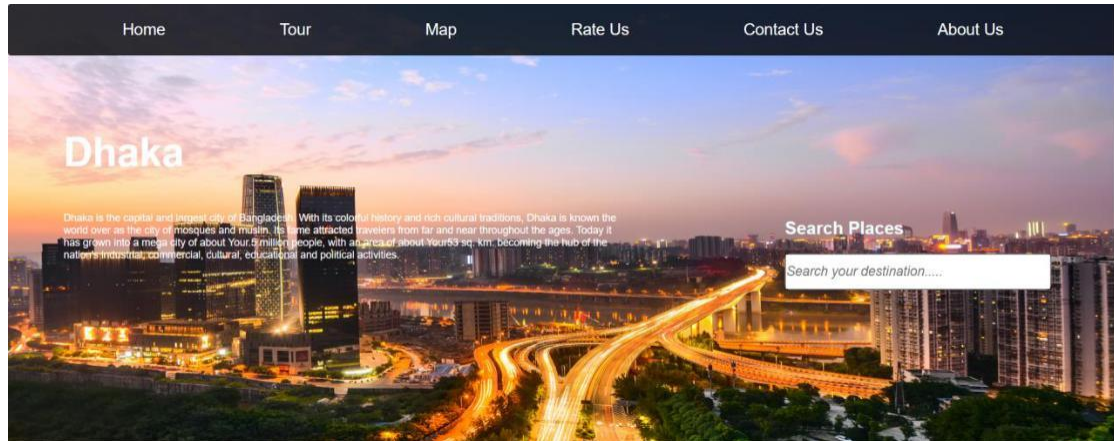


Figure 6.8: City inner for user

6.1.8 Top Places :

These are those blogs thumbnail which are under this division. By selecting any thumbnail user can get those blog pages.

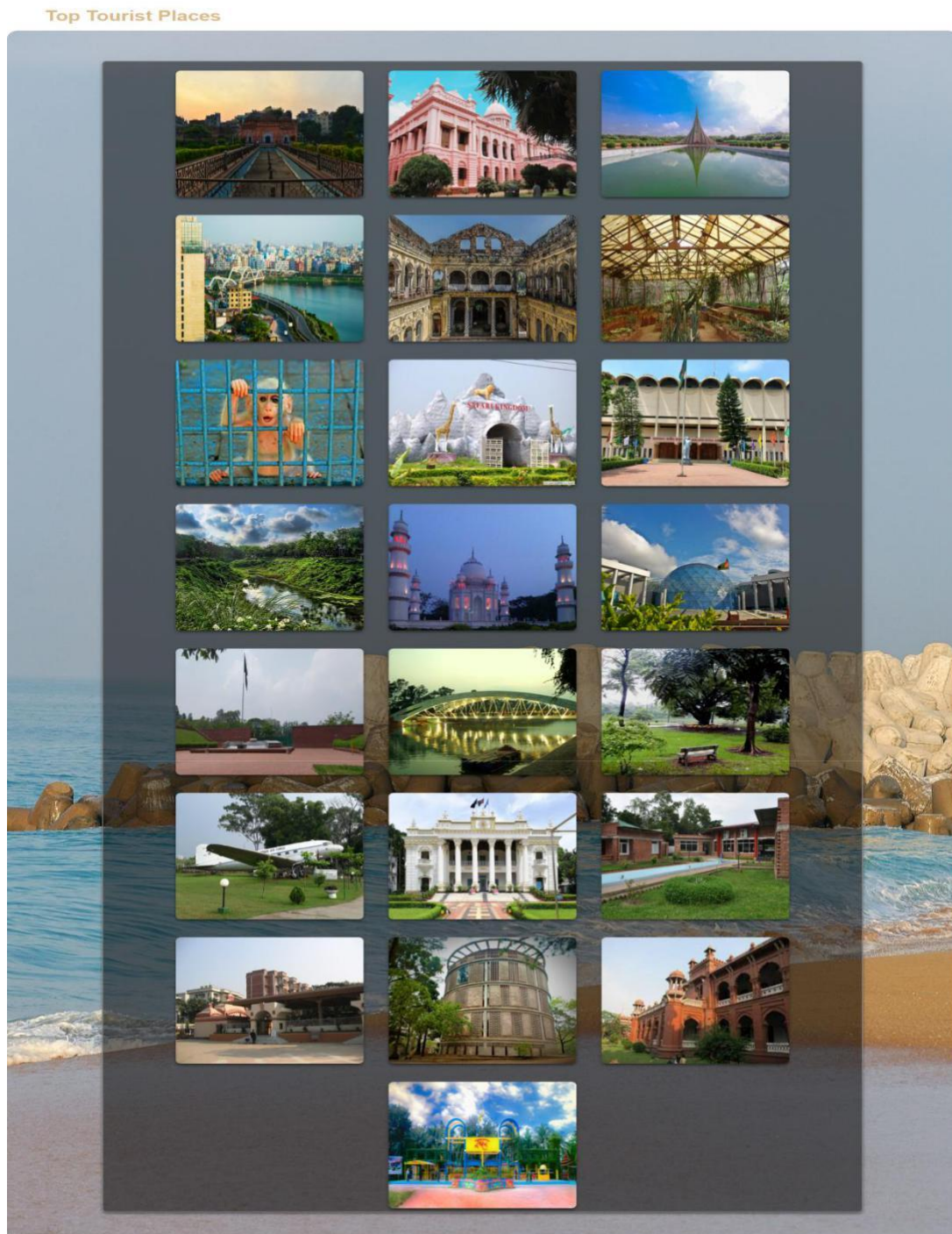


Figure 6.9: Top Places for user

When customer will try to select and hover on the top places the thumbnail will like this ->

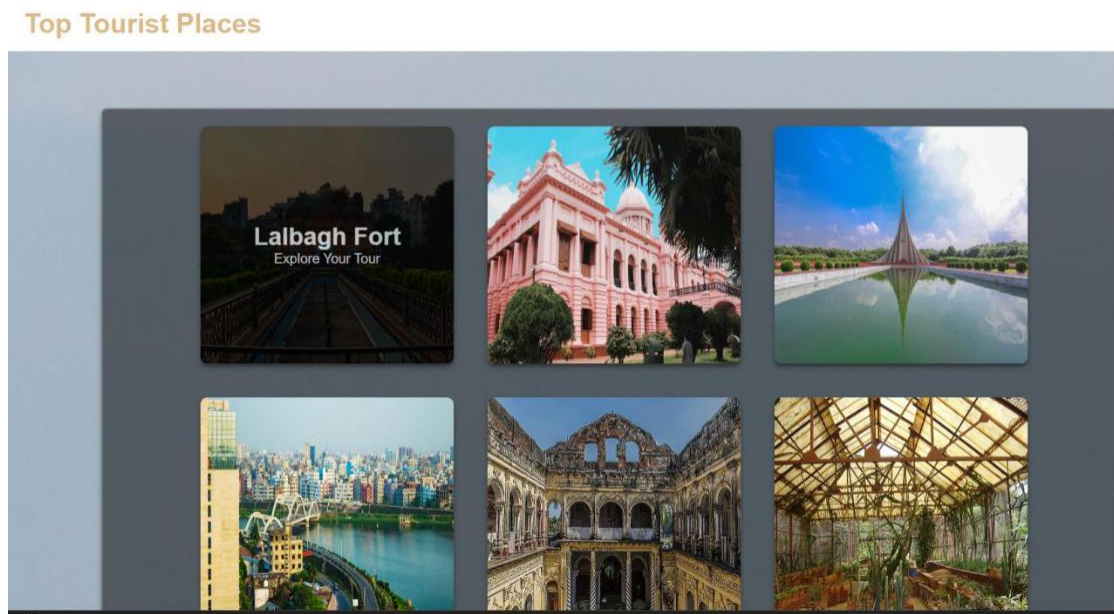


Figure 6.10: View for user

6.1.9 Blog Page:

When the user selects a blog of his choice by clicking on it, then he can see the blog details page.

[Go Back](#)[Google Map](#)



Novotheater

Bangabandhu Sheikh Mujibur Rahman Novotheater aims to educate the people of the country, especially the new generation, to be scientifically minded and entertaining. In 1995, a plan was taken to set up a Novotheatre named after Bangabandhu Sheikh Mujibur Rahman in 1995 with the aim of imparting an idea about the planets and stars of space through entertainment. After the implementation of the project on 26 September 2004 by the Ministry of Science and Information and Communication Technology the Novotheater on 6.46 acres of land at Vijay Sarani Tejgaon was produced and renamed as Bhasani Novotheater after Maulana Abdul Hamid Khan Bhasani. 12312.72 lakh rupees was spent on setting up the first state-of-the-art planetarium in the country. The architecture of Novotheater was designed by architect Alia Imam. State-of-the-art projection equipment was imported from Japan for the Novotheater shows. It is said to be one of the 12 hundred Novo theaters in the world. From 27 September 2004, the Novotheater opened to regular performances for the audience. Through the Bangabandhu Sheikh Mujibur Rahman Novotheatre Act 2010, Bhasani Novotheatre was renamed as Bangabandhu Sheikh Mujibur Rahman Novotheatre.

Here is what is shown

Two different types of documentaries are shown in this theater. The first one is called Anantatar Pothe Jatra and the second one is called This Our Bangladesh. The first documentary details the Sun and planets in space. The second documentary depicts the nature heritage and rural life of Bangladesh.

How to go ?

You can easily reach Novotheater by CNG auto rickshaw from anywhere in Dhaka city. Apart from this, you can also reach here by walking to Farmgate by bus.

Prohibition

Food is not allowed inside the theatre.

Taking pictures and turning on any kind of lights during the toilet is prohibited.

No one will be allowed to enter the theater during defecation.

Regular show Schedule

Saturday - Thursday : morning 10.30 am, noon 12pm, noon 2pm, noon 3.30pm, evening 5pm and evening 6.30pm

Ticket collection schedule : morning 10.30 am, noon 12pm, noon 2pm, noon 3.30pm, evening 5pm

Friday : morning 10.30 am, noon 12pm, noon 2pm, noon 3.30pm, evening 5pm and evening 6.30pm

Weekend :Wednesday

Special show schedule for the month of Ramadan :

Saturday - Thursday :morning 10 am, noon 12pm, noon 2pm

Friday : morning 10.30 am, noon 12pm, noon 2pm, noon 3.30pm, evening 5pm and evening 6.30pm

Weekend :Wednesday

Theaters are closed on all public holidays

Ticket collection point

There are a total of four ticket counters at the entrance of the theater including two on the north side and two on the south side.

The entry fee here is 50 taka but children below two years of age can enter for free.

Inside the theater is a special type of ride called the Simulator Ride. To ride it, you have to buy a ticket for 5 taka.

Tickets go on sale 1 hour before the show.

Parking

This theater has underground parking. The price of parking is :30 taka for bus10 taka for car5 taka for motorcycle

Figure 6.11: Blog for user

6.1.10 Rating & Review:

At first the user has to select any division. In the city Inner there is a navbar. There are many options Rating & Review is one of them. If user want to give review user should click on this option.

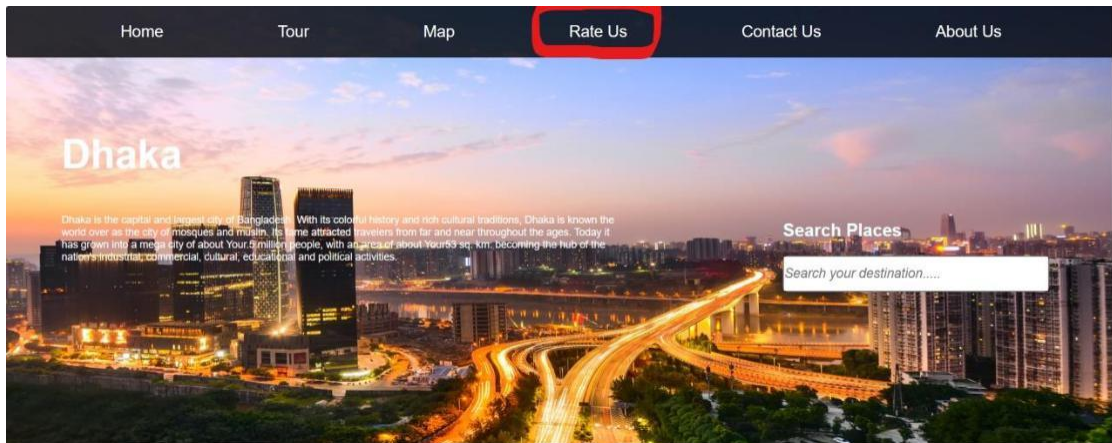


Figure 6.12: Rate Us option for user

After clicking on this option system will take user to review page.

Share your Review

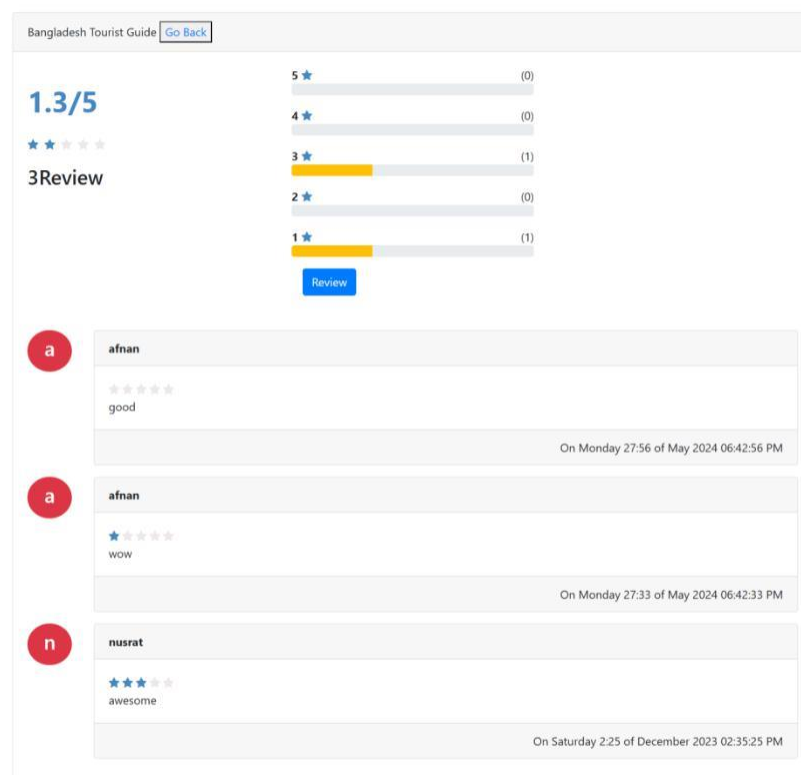


Figure 6.13: Review & Rating Page for user

Clicking on review button there will come a submit page & User must have to give review and user name then then click on submit button and review will add and user can see reviews too.

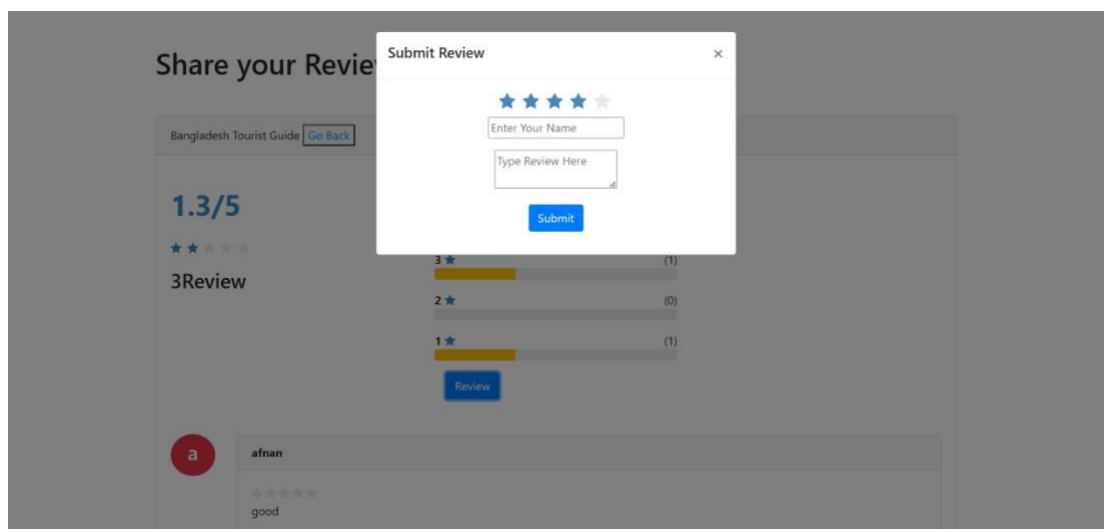


Figure 6.14: Review & Rating submitting page for user

6.1.11 Search Map:

At first the user has to select any division. In the city Inner there is a navbar. There are many options and Map is one of them. If user want to search location in map user should click on this option.

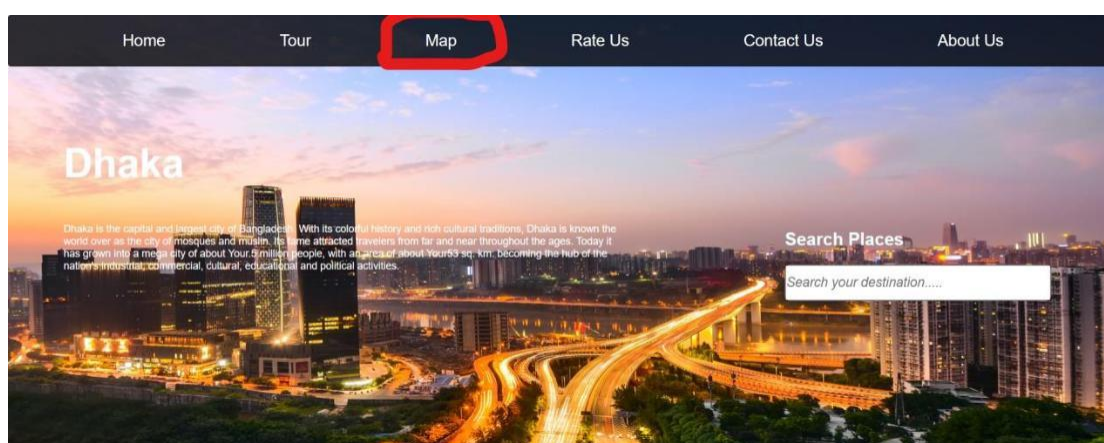


Figure 6.15: Map option for user

After clicking on this Map option the user can search on this search page. User must give a location name or latitude & longitude to the place location on map.

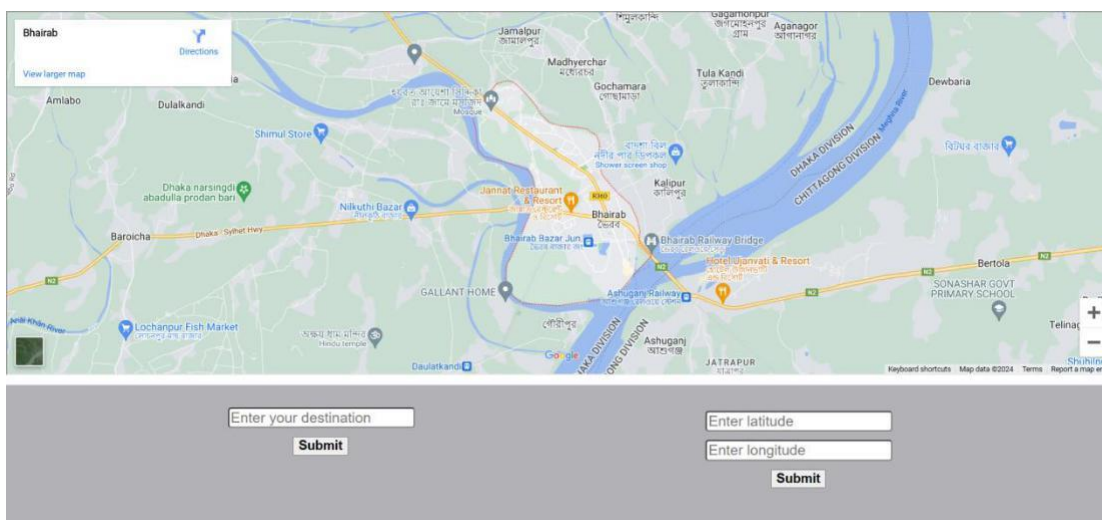


Figure 6.16: Search map for user

6.1.12 Chat with Chatbot:

At first the user has to select any division. In the city Inner there is a navbar. There are many options Contact is one of them. If user want to try to contact, user should click on this option.

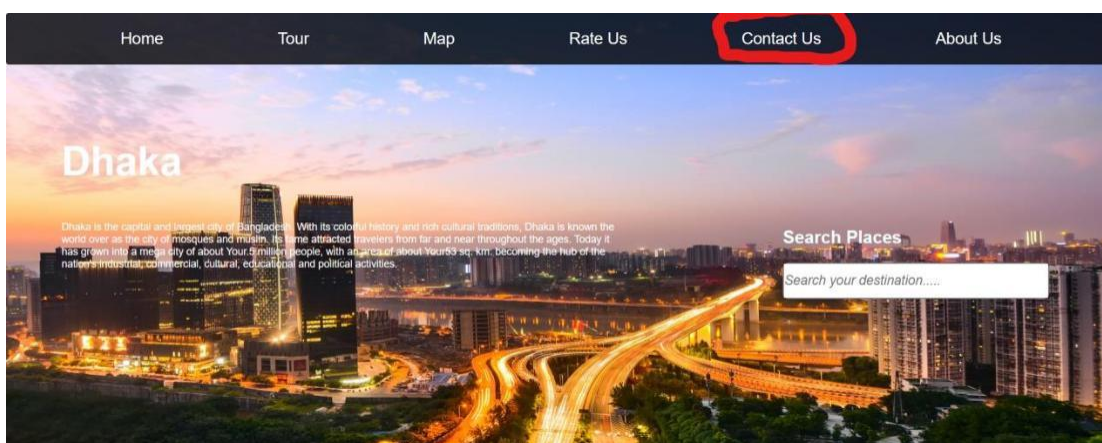


Figure 6.17: Contact Us option for user

After clicking on contact user will get 3 types of option to contact. Chatbot, Email & Phone Number.

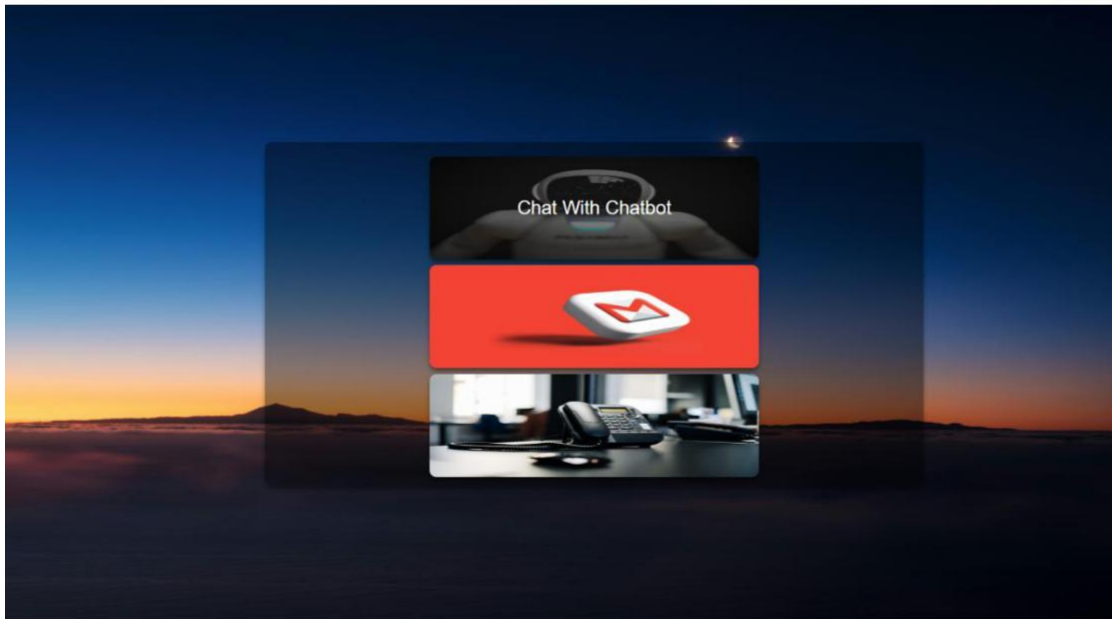


Figure 6.18: Chatbot option for user

Clicking on Chatbot option user can chat with chatbot. You can send messages to chatbot and chatbot will response within a second.



Figure 6.19: Chatbot for user

6.1.12 Logout:

Clicking on logout will log the user out of the system and redirect them to the login page.

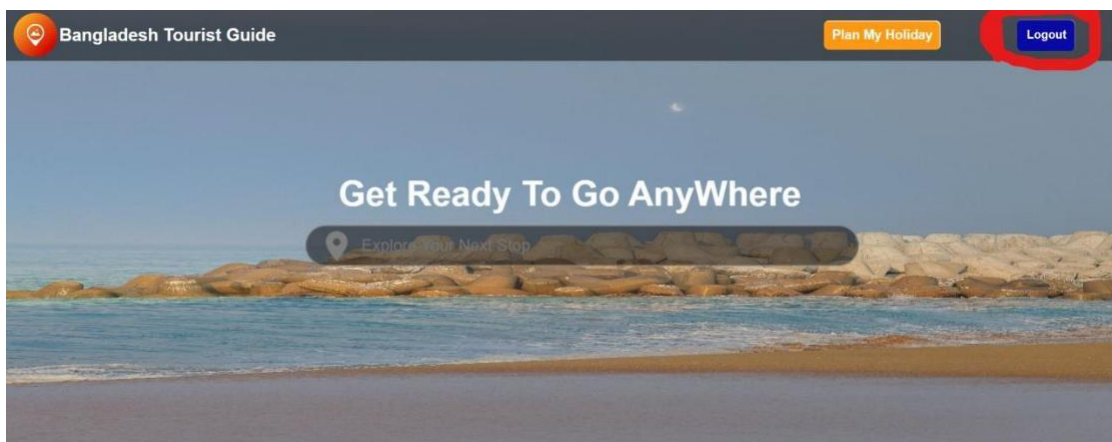


Figure 6.21: Logout for user

6.2 User Manual for Admin

6.2.1 Registration:

Admin will provide all information in this form like username, full name, phone number, email and passwords. And must be their email should be unique and their password and repeat password should be same.

A screenshot of a registration form titled 'Registration' overlaid on a background image of a green plant with a water droplet. The form contains the following fields: 'Full Name' (with a sub-label 'Full name'), 'Username' (with a sub-label 'Username'), 'Email Address' (with a sub-label 'Email Address'), 'Phone Number' (with a sub-label 'Enter your Phone number'), 'Password' (with a sub-label 'Password'), and 'Repeat password' (with a sub-label 'Repeat Password'). At the bottom of the form is a green 'Signup' button and a link that says 'Already have an Account ? [Login here](#)'.

Figure 6.22: Registration for Admin

6.2.2 Login:

After registration, the admin can log into the system using their registered email and password.

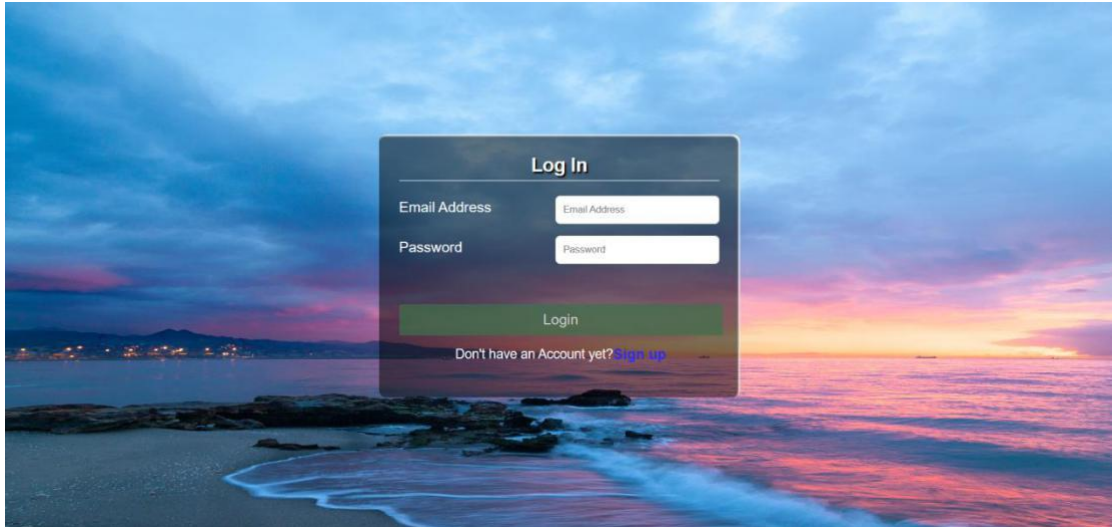


Figure 6.23: Login for Admin

6.2.3 Admin Panel:

After logging in, the admin will see a Dashboard dropdown list with various option to manage.

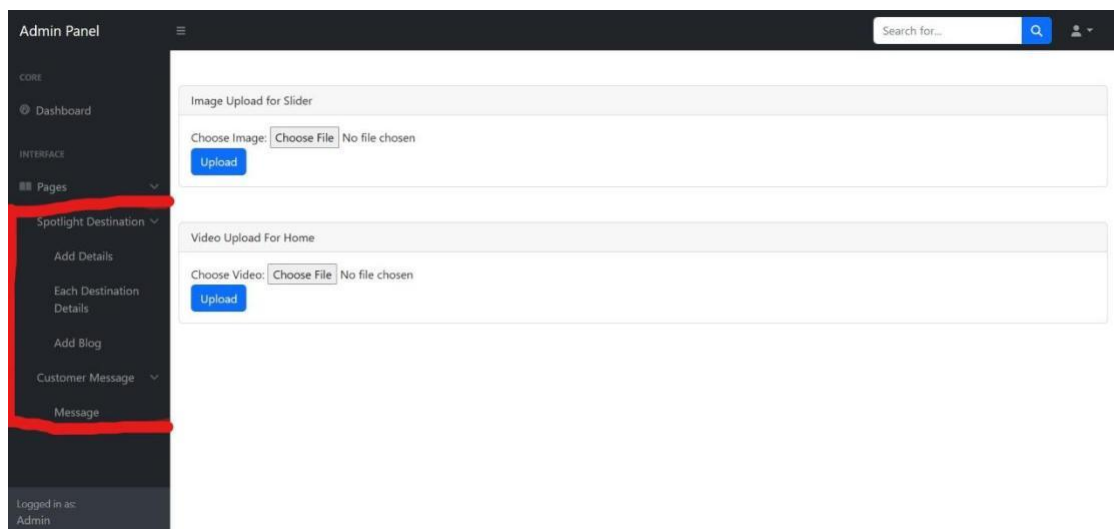
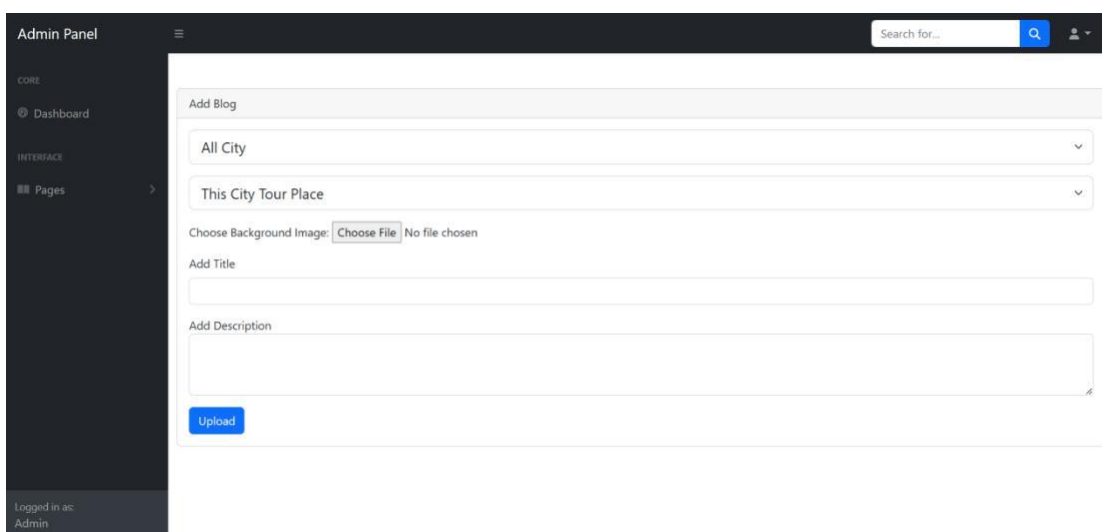


Figure 6.24: Dashboard for Admin

6.2.4 Add Blog:

Admin will select add blog option and fill all fields with information and details and then click on the Upload and Blog will add.

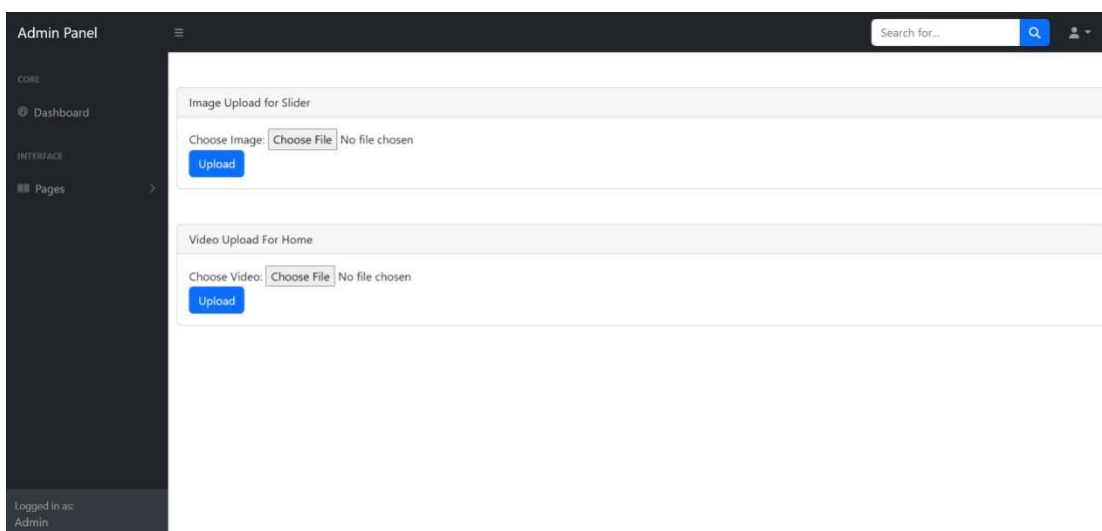


The screenshot shows the 'Admin Panel' interface. On the left is a dark sidebar with a menu containing 'CORE' (with a sub-item 'Dashboard') and 'INTERFACE' (with a sub-item 'Pages'). The main content area is titled 'Add Blog'. It contains two dropdown menus: the first is set to 'All City' and the second to 'This City Tour Place'. Below these is a section for 'Choose Background Image' with a 'Choose File' button and the text 'No file chosen'. This is followed by text input fields for 'Add Title' and 'Add Description'. At the bottom of the form is a blue 'Upload' button. The top of the panel has a search bar and a user profile icon. The bottom left of the sidebar indicates 'Logged in as: Admin'.

Figure 6.25: Add Blog for Admin

6.2.6 Upload Image & Video:

Here admin will select page to come on home page and choose image and video for home page. By clicking on upload image and video will be upload.



The screenshot shows the 'Admin Panel' interface. The sidebar is the same as in Figure 6.25. The main content area has two sections. The first section is titled 'Image Upload for Slider' and contains a 'Choose Image' button, a 'Choose File' button, and the text 'No file chosen', followed by a blue 'Upload' button. The second section is titled 'Video Upload For Home' and contains a 'Choose Video' button, a 'Choose File' button, and the text 'No file chosen', followed by a blue 'Upload' button. The top of the panel has a search bar and a user profile icon. The bottom left of the sidebar indicates 'Logged in as: Admin'.

Figure 6.26: Upload Image & Video for Admin

6.2.6 Home Page :

On the right side there is a dropdown list. Admin can click on the home option to monitor the whole system.

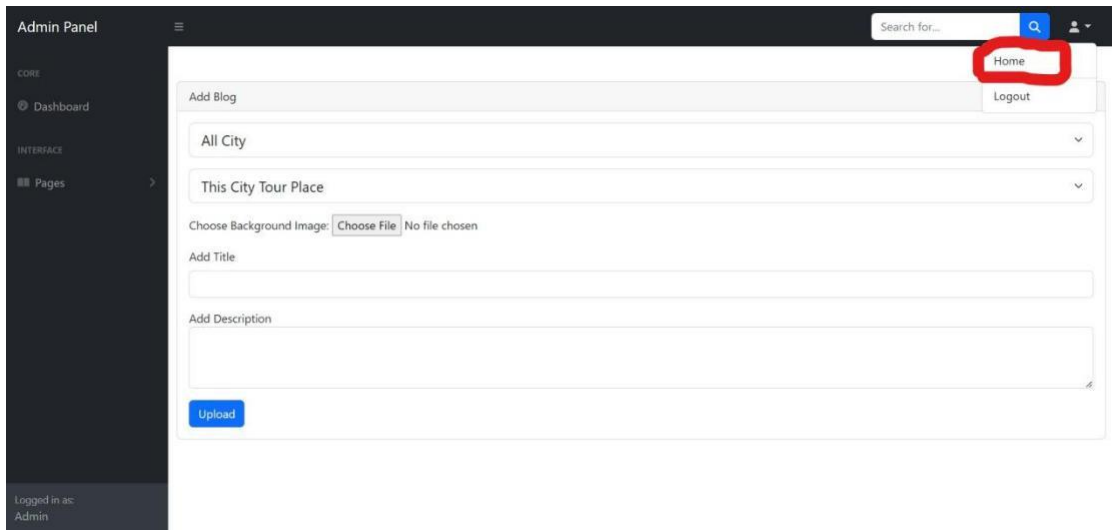


Figure 6.27: Home Page option for Admin

6.2.7 Logout

On the right side, there is a dropdown list. Clicking on “logout” will log the admin out of the system and redirect them to the login page.

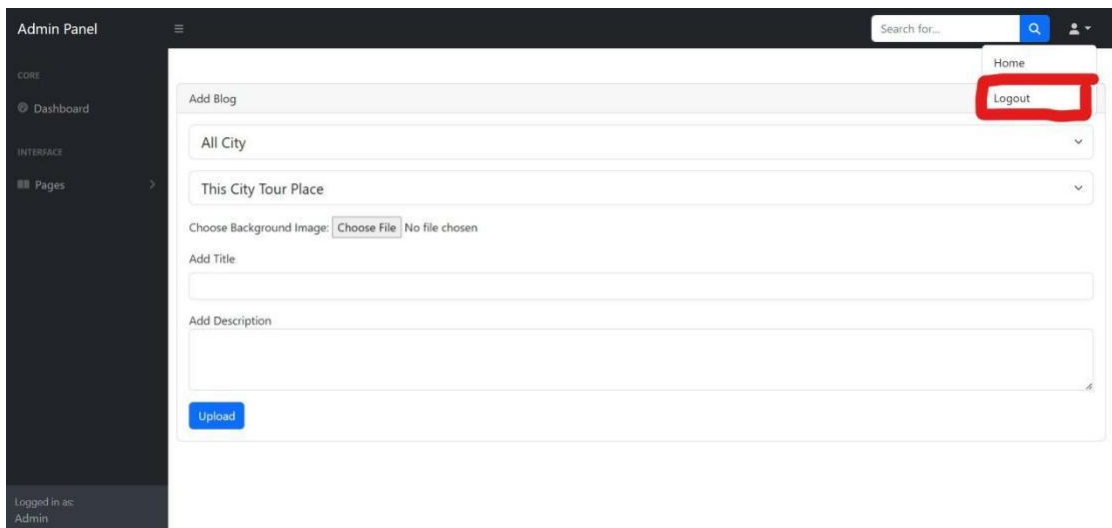


Figure 6.28: Logout for Admin

Chapter 7: Conclusion

7.1 Project Link:

https://github.com/nusrat0597/Bangladesh_Tourist_Guide

7.2 Limitations:

- A) No profiles created for user.
- B) No profile creates for Admin.
- C) No role base registration.

7.3 Future Scope:

- A) Add tour plans.
- B) Add Chat system direct with admin.
- C) Add a payment system.
- D) Solve those limitation.