

**DESIGN AND DEVELOPMENT OF A TOURISM SITE NAMED
“TOURPACK”**



DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

December 2019

TOURPACK

BY

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This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

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DECLARATION

I hereby declare that this project has been done by me under the supervision of **Tasfia Anika Bushra, Lecturer, Department of CSE, Daffodil International University**. I also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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

ABSTRACT

This project named "TourPack" is made for people who want to explore different places for comfort traveling and want to check out new places easily. For making this project I used Html5, CSS3, PHP, JavaScript, jQuery, MySQL. The motive of this project is to make the traveling process easier by avoiding random info searching from different sources and gather all the needed information's in one platform for more comfortable traveling than before. Through this system, people can find places easily like tourist spot details, Local place details, restaurant, transport details, travel duration, etc. So, it works like a guide for users. In near future may be tourism would be one of the main reasons to represent our country globally. So, i tried to make a smart website to explore beautiful places in my country. I tried to make a user-friendly GUI for users so that they can use my website easily.

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Chapter 1

Introduction

1.1 Introduction

Bangladesh is the country of beauty & nature. In Bangladesh, there are many places to explore. Because of traveling purpose people need the basic pieces of information for traveling what includes from the traveling process to destination details. And to get those information people need to call/text random people, google or visit random websites from one to another to find those details that are quite lengthy & complicated. So, from this random complicated information collected procedure, I found an idea to make a website “**TourPack**” where people will get all the important information from one platform easily.

“**TourPack**” is a user to user connection platform where people can share their personal traveling experiences that will help other travelers to get the information whoever wishes to travel the place by using the user “Search box” option & also people can get their needed information as the same way. So, by using my website “**TourPack**” a traveler will get traveling information’s from another experienced traveler what ensures that travelers are not only getting all the needed information from one platform easily but also having the trusted information as they need.

1.2 Motivation.

Traveling is a part of our daily lifestyle and we need to travel to different places for different purposes from one place to another every day. And to travel from one place to another we need to know the traveling procedure, traveling cost, the way of traveling, etc. To know that info, we need to search or access random sources what is a pretty lengthy, complicated and also a time killer procedure. So, I personally found this as a critical way of getting traveling details. And, from this thought I decided to create a platform where people will get the most accurate traveling needed info's in one platform with the details from traveling procedure to destination details and the info's will be showing from all the experienced travelers who already have visited the place before what will make sure the accuracy of the given info's to the new traveler who wishes to explore a new place.

1.3 Objectives

1.3.1 Improved User Satisfaction

My first objective is to give users the privilege to feel that they have satisfied over their needed information in my system. By providing useful features by this system, intended to make the user happy about service. Satisfied users to bring more users to use this service.

1.3.2 User Experiences

The main goal of my website “**TourPack**” is to give proper information about travelling info's to users. Where the users can get the details travelling information and also they can easily find their needed travelling information's. Besides that, users can post about their personal experiences and they can communicate with each other.

1.4 Expected Outcome

After passing the maximum part of feasibility case study, I am in a stage that I could imagine

(1) **User Sign Up:** The user will sign with mail address and other information from here

(2) **Make a Post:** Any registered user can post about his/her travelling experience.

(3) **Post View:** Any registered can view post details and non- registered users can view the basic post details.

(4) **Admins:** In my system to administrate teachers assigns by admin. Admin can add delete post information and can delete users.

(5) **View profile:** Only registered users can view other users profile info's.

(6) **Notification:** Only registered will get be notified about recent posts.

(7) **Messaging System:** Only registered users can communicate with each other via message.

1.5 Report Layout

Firstly, In Introduction chapter, I discussed the objective of the project, inspiration to work with the expected outcome in Chapter 1. Secondly, I discuss the background circumstances of my project. And so discuss the similar work, compared to other candidate systems, the scope and challenges of this system in Chapter 2. Thirdly, types of requirements like business process model, the requirement collection and analysis, web programming, use case model, relational database and design requirements defined in Requirement Specification Chapter 3. Fourthly, in design chapter 4 describes the design of our project visual view. In Chapter 5, I discuss the implementation of the database, interaction and test result of this project. Finally, in the sixth, the conclusion and future scope will discuss in Conclusion chapter 6.

Chapter 2

Background

2.1 Introduction:

In this chapter, I will try to give an overall idea about — “**TourPack**”. Here I have discussed Tourism System Websites what is related to my project. To develop such a system, a huge quantity of knowledge is required to predict and discover all the expectations that may occur [1]. Tourism website System helps you to provide such information where people will get the process of traveling details to destination details and also the process of traveling status what provides information such as traveling procedure, traveling cost, the way of traveling, etc. So a large amount of research is required in this development.

2.2 Related Works:

I have found several types of related work in our country. Their system provides Travel planning, ticket prices, notice board, and contact info’s etc. Some of them provides Information about different places, ticketing & booking facilities.

2.2.1 Tour.com.bd:

The platform named Tour.com.bd is an online travel agency for the travelers of Bangladesh. The main focus of the platform is to support travelers to plan their trips. Morally, it is a travel planner who provides information about different places/sites, local & international hotels, flights & other travels with different tour packages etc. [2]

2.2.2 Bengaltours.com:

Basically, Bengaltours is an online agency where it provides the service of Domestic/International ticketing & domestic train/bus/ship booking as a tour operation. [3]

2.2.3 nijhoom.com:

The system called as “**nijhoom.com**” was developed to organize inbound tours and holidays for foreigners, especially for western tourists to provide a quality support for tourism in reasonable price. [4]

2.3 Comparative Studies:

2.2.1 Tour.com.bd:

Advantage:

1. Tour.com.bd provides information about different places/sites, flights & other travels with tour packages.
2. It also works for travel design options, advanced ticketing & booking.

Disadvantage:

1. This website takes so much time to reload.

2.2.2 Bengaltours.com:

Advantage:

1. People can purchase Domestic/International tickets and also provide domestic train/bus/ship bookings.
2. The site support Interpreter (English, French, German, Japanese, etc.) which multi-language proficiency option is helpful for different travelers.

Disadvantage:

1. This site contents are not healthy enough to encourage travelling better & also they provide less details information compared to other tour platforms.
2. This platform only provides domestic train/bus/ship bookings but not international.

2.2.3 Nijhoom.com:

Advantage:

1. The platform is mainly developed for foreign tourists which will expand our countries tourist spots globally & it will help to recognize/represent our local places internationally.
2. Simple user interface, fast reloading process and tour package option for best trip.

Disadvantage:

1. The site is morally developed for western tourists, which narrowed down the area of tourism for international tourists.
2. They takes long time to response in contact option.

2.4 Scope of the problem

People will give information about Travelling process, duration, travelled place details, personal experience etc. and my website will generate the result as a member post based on their given information. So my project system can be used in all types social networking site for example Facebook, Twitter, etc. As my project needs information from people so I cannot use it on e-commerce.

To establish the project, need to work with the following factors related to the scope of the problem phases

2.4.1 List of Actors

2.4.1.1 User:

The User is the heart of any Travelling/Tourism website. All things activate bases on users.

2.4.1.2 Admins:

In my system, the admin has to administrate the whole activity of my project. Admin has the most privilege. He can delete any posts or any registered user.

2.4.2 Actors viewpoint:

Different stakeholders perform totally different actions. Consequently, each of them encompasses a totally different reading of the system. Therefore, I have to acknowledge the wants from multiple points of reading, yet as multiple views of necessities. Assumptions area unit is given below: Stakeholder's read purpose

1. User friendly and economical system
2. Error free system
3. Spare privileges
4. Specify the wants greatly clearly

2.5 Challenges:

I faced different kinds of problems. Developing this project was not so easy for me. I was not skilled when I started developing this project. First of all, the main and most important problem, I faced on designing a database. It was a quite tough part of my project. After this, I faced some logical problems to implement my project messaging system and content showing through PHP code.

Besides that, before choosing this project my web knowledge was not so good. so literally, I faced a lot of complicated issues while I was making the project. But, one of the most important thing that reminds me of the challenge for completing the project was learning a new language and convert it to code. It was quite tough to execute logics through new programming languages like PHP. Besides that, learning MySQL more was pretty much joyful though I had some pre-knowledge about the database management system.

So, all the way of making the project successful I tried hard to make it happen. Though the making of my project named “TourPack” was a tough one for me but I still enjoyed while was working on it. Solving problems through logics was a tough one but also charming when the code got matched and got the final successful output.

CHAPTER 3

Requirement Specification and System Design

3.1 Business Process Modeling

The process called Software Development Life Cycle (SDLC) is a procedure what is used by the software company to design, improve and check high-quality software. The SDLC target to make high-quality software what fulfill or satisfy customer desires, reaches completion within time and cost friendly. [5]

The process which helps us to find a profitable, high quality and useful product.



Figure 3.1.1 Software cycle for business process modeling.

When a software is produced, the SDLC draws the correct organization & decommissioning of the item when it turns into a heritage. The philosophy of SDLC, as a method, adds of accompanying steps: observation (necessities and plan), improvement, checking, discharge and upkeep.

3.2 Requirement Collection and Analysis

For generalizing my system, I have to define all categories of the current tourism system. To develop such a system a huge amount of information is needed such as Server requirement, OS, Web server, Programming Languages(PHP), Database designing & related works of my project to predict and figure out all the expectation that will occur. Procedures for making a user friendly Tourism platform differ from platform to platform. So a lot of research is needed in such development. Foremost an efficient plan was needed. There were lots of challenges to solve. Here is the technical requirement of my system.

3.2.1 Server Requirement

Windows Operating System, PHP version 7.2, MySQL database

3.2.2 Operating System

Windows

Windows ten could be a laptop computer software package developed and discharged by Microsoft Corporation as a part of the Windows NT family of operating systems. It was formally opened in September 2014 following a short demo at Build 2014. The primary version of the software package entered a public beta testing method in October 2014, leading up to its client release on July 29, 2015. [6]

Linux

Linux might be a Unix-like and primarily POSIX-compliant portable computer OS (Operating System) which is assembled below the model of free and American Standard Code for Information Interchange document package development and distribution. The method part of OS is that the OS kernel, associate OS kernel initial discharged on day, 1991 by Linus Torvalds. [7]

Web Server:

A program that uses Hypertext Transfer Protocol to serve the files to users is known as web server. Dedicated computers and appliances could also be mentioned as web servers additionally. In response to their requests, that are forwarded by their computers' HTTP clients.

3.2.3 Web Programming**PHP**

A general-purpose programming language originally designed for web Development is known as Hypertext Preprocessor (or simply PHP). In 1994 Rasmus Lerdorf created PHP & it is now produced by The PHP Group. For Personal Home Page PHP originally stand for. But it now stands for the recursive initialize PHP: Hypertext Preprocessor. A command line interface (CLI), embedded into HTML code may be executed by PHP code or it can be used in combination with various web template systems, web content management systems, and web frameworks. Usually PHP code is processed by a PHP interpreter implemented as a module in a web server or as a Common Gateway Interface (CGI) executable. The interpreted and executed PHP code is combined by the web server for the results which may be any kind of data, including images, with the generated web page. Many programming tasks can be made by PHP outside of the web context, such as standalone graphical applications and robotic drone control.

JavaScript

The most ordinarily used as a shopper facet scripting language is JavaScript what implies JavaScript code where it is written into AN HTML page. Once AN HTML page with JavaScript is requested by a user, the script is distributed to the browser and it's up to the browser to try one thing with it.

MySQL

MySQL is an Oracle-upheld open source social database the executive's framework (RDBMS) in view of Structured Query Language (SQL). MySQL keeps running on for all intents and purposes all stages, including Linux, UNIX and Windows. In spite of the fact that it very well may be utilized in a wide scope of uses. MySQL is regularly connected with web applications and internet distributing. MySQL is an imperative segment of an open source undertaking stack called LAMP. Light is a web advancement stage that utilizes Linux as the working framework, Apache as the web server.

3.2.4 System Requirements

- (1) Functional:** The system connects users for exchanging travelling information's to suggest destination details according to the user experience review.
- (2) Non Functional:** To filter the system suggestion from user experience review from user to user the system works specifically from travelling details to destination details & in addition also by giving suggestions for travelers.

3.2.5 User Requirements

- (1) User Point of view:** To use the system properly, a user has to register. Then a user will get an account with personal information details & personal travelling experience details as a post. And Also all the travelling information's what they need.
- (2) User Goals:** To get travelling info's (travelling process to destination details) from experienced travelers, communicated with them & get suggestions.
- (3) User inputs & Outputs:** User need to register to use the system, can share personal travelling experiences & get travelling info's easily.

3.2.6 Analysis

After the requirement collection & making the system workable according to the project result that system named “**TourPack**” will able to help the traveler to travel from one place to another comfortably and the process of traveling for a traveler will be easier than before. As the system is a platform for a traveler who will get traveling information’s from another traveler, so the concept of the project will make sure to communicate between travelers to exchange information to make traveling experience better. And also the system methodology will bring a good change in tourism as far as I can imagine.

3.3 Use Case Modeling and Description

UML use case diagrams can be used to explain the functionality or process of a system in a horizontal way what represent the details of specific features of a system.

3.3.1 Use Case Model (Admin and User)

Use case graph is the needed framework/programming prerequisites for another product program immature. Use cases define the general manner and not the accurate method for getting it going and not the specific procedure of making it done (how). Use cases once specified can be denoted both textual and visual representation (such as UML). A key concept of use case modeling is that it helps us design a system from the end user’s perspective.

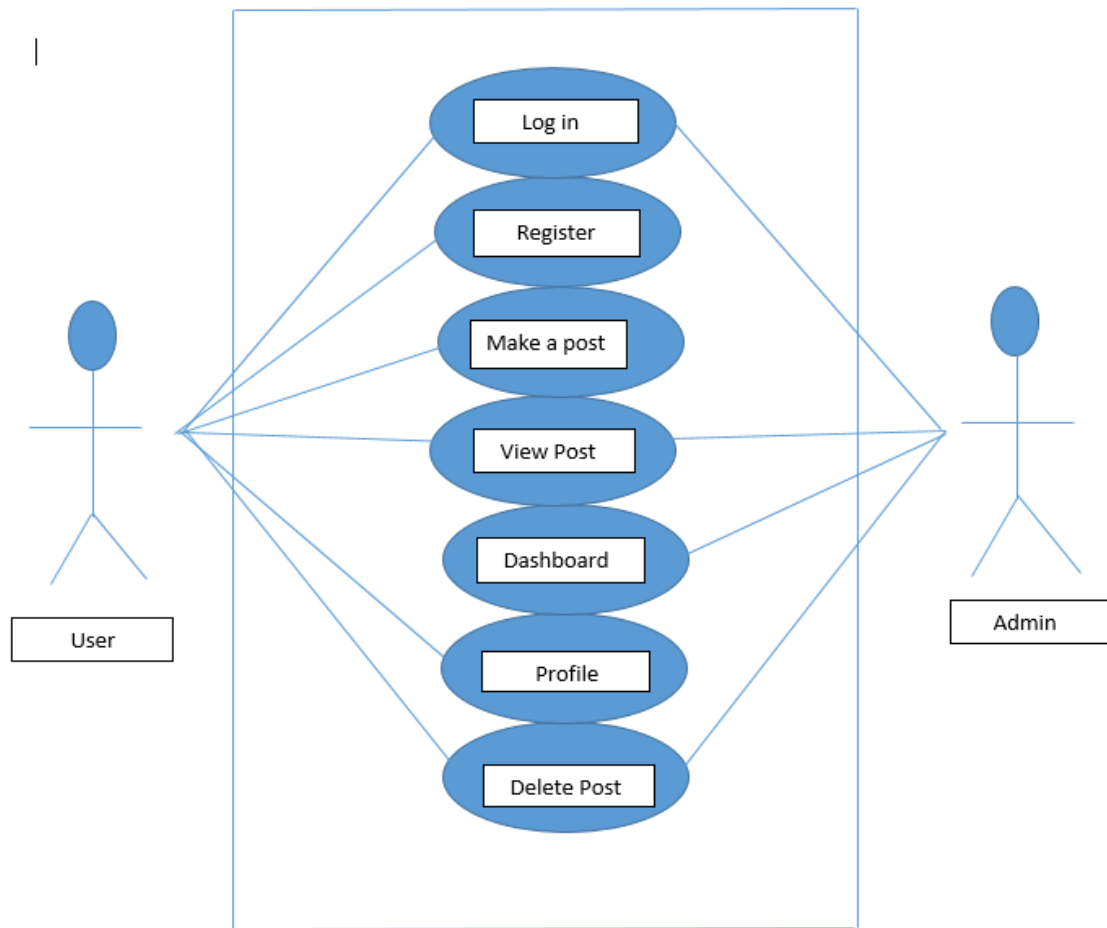


Figure 3.3.1.1 Use case model for admin and user

3.4 Logical Data Model

Logical data model is a procedure that is used to describe and observe the requirements needed to support the business process within the latitude of equivalent material structures in organizations. The ER model or ER Diagram is one kind of Logical data models, contains the entity, attributes, tables, and relations. In my system the users have to register first, then he will be able to login. Then the users would follow the following process to ask any question and use team system.

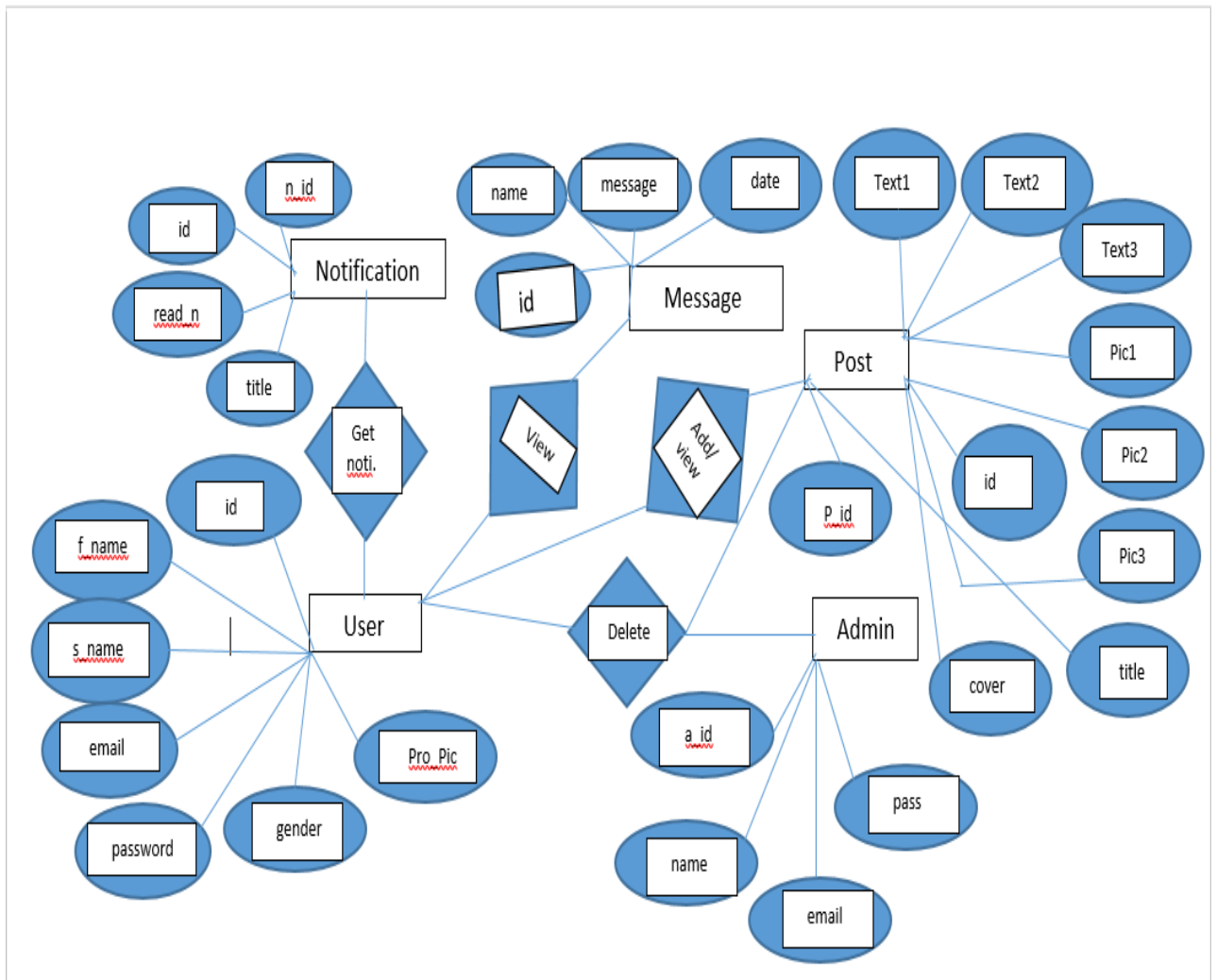


Figure 3.4.1 Entity relationship model

3.5 Context Diagram

A Context diagram is for defining the boundary between the system or part of a system and its environment, showing the entities that interacts with it.

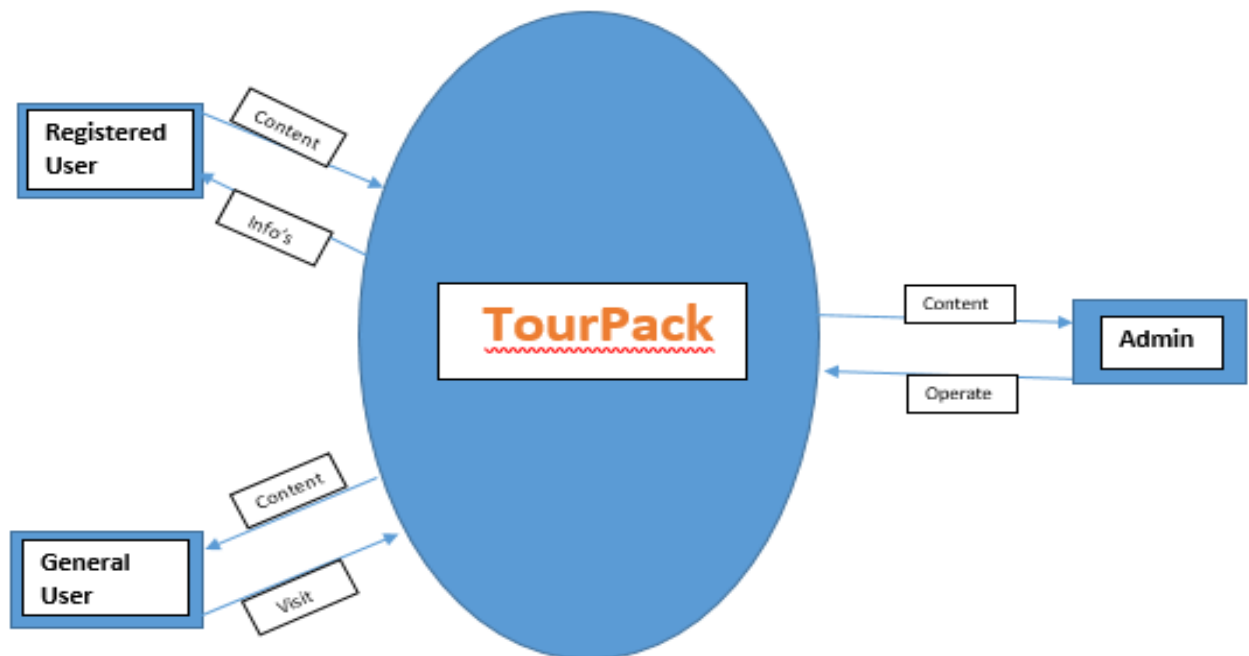


Figure 3.5.1 Context diagram model

3.6 Data Flow Diagram

The way how data flow diagram works is by representing a flow of a data or a process or a system. The data flow diagram also helps to provide the information about the inputs and outputs of each entity and the process.

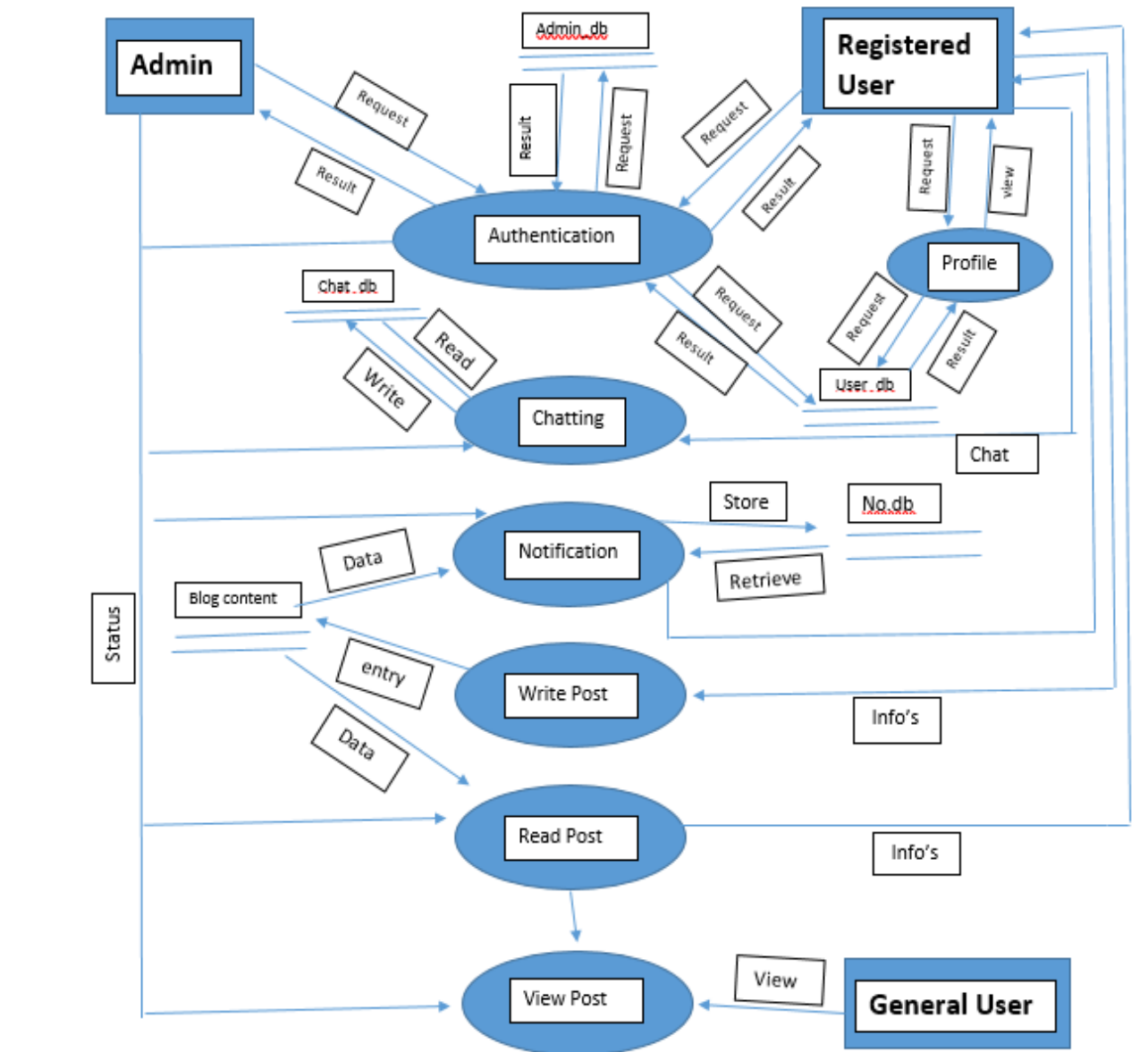


Figure 3.6.1 Data flow diagram model

3.7 Sequence Diagram

A sequence diagram is basically for representing the object interactions arranged in time sequence. It works by depicting the objects and classes involve in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario.

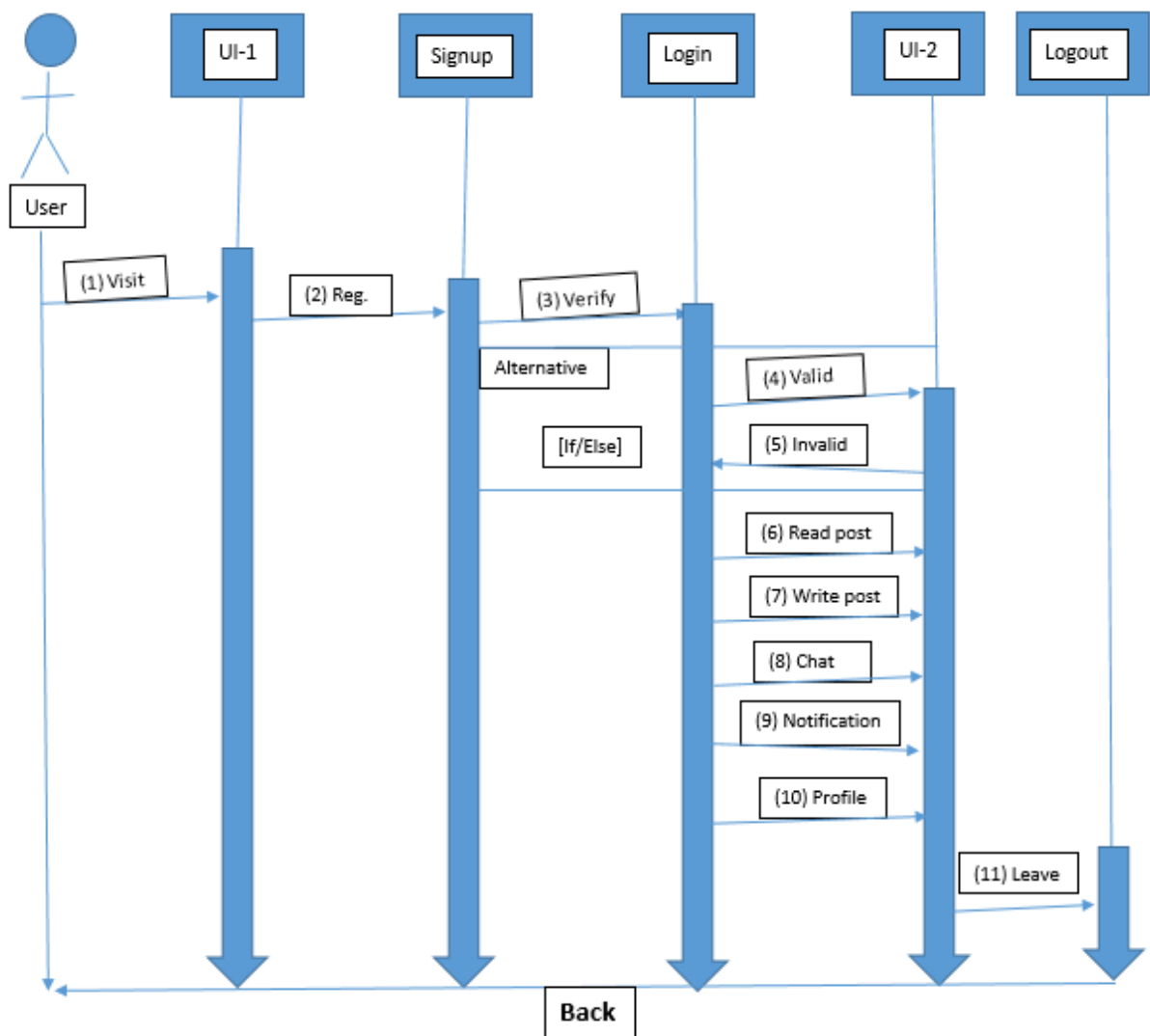


Figure 3.7.1 Sequence diagram model

3.8 Design Requirements

Design requirement means how friendly my system to any user and how to easily implement this design to the user's view or front-end. While developing my system I have kept in mind reach my goals with the designing system following criteria;

1. Make the system simple and flexible for the user.
2. Make the system compatible.
3. Efficiency
4. Easy to access
5. Delivery time
6. Optimize site performance
7. Security is essential
8. Site search is important.

CHAPTER 4

Design Specification

4.1 Front-End-Design:

Front-end design is the design of the front side of my system that can be viewed by a general customer and vendor.

HTML

- **Basic HTML**
- All kinds of HTML5 Tags, Element, Attributes, Headings, Paragraph, Line Breaks, Lists, Font, image Tables, Media and Charset. [8]
- **HTML Forms**
 - Checkbox, Input, Text fields, Radio Button and Text area etc.
- **HTML5**
 - Header, Footer, DOCTYPE, Canvas, etc. [8]

CSS

- SASS / SCSS
- Concept of Menu (Multiple, Single, Dropdown)
- Temple Design Using CSS div
- Advanced CSS (Border-radius, box, layer, display, float, position gradient)
- Basic CSS (Selector, internal, class, external, inline, id, background, font, margin, Border, list CSS, color, hovering and element

Bootstrap

- ☐ Bootstrap's responsive CSS adjusts to phones, tablets, and desktops
- ☐ Mobile-first styles are part of the framework
- ☐ Bootstrap is compatible with all modern browsers (Chrome, Firefox, Internet Explorer, Safari, and Opera)

4.1.1 User/Guest home page:



Figure 4.1.1.1: Home page

This is the Home Page of my Travelling website named Tourpack. Here, the user can see the navbar at the top level and some of the drop down buttons, A Multilanguage button for login, signup and search input field and also many posts from users.

4.1.2 User registration page

tourpack

Home Login SignUp Search Search

Create an account

Get tours!

First name Surname

Enter email

New password

☐ Female ☐ Male

Browse... No file selected.

Sign up

[Already have an account?](#)

Figure 4.1.2.1: Registration page

Before asking any question or help others users is required is to register as a user in this system, for register an account user needs to give some info's like name, email address, password, gender. The user must be provided their unique email address and 6-digit minimum character password.

4.1.3 User login page:

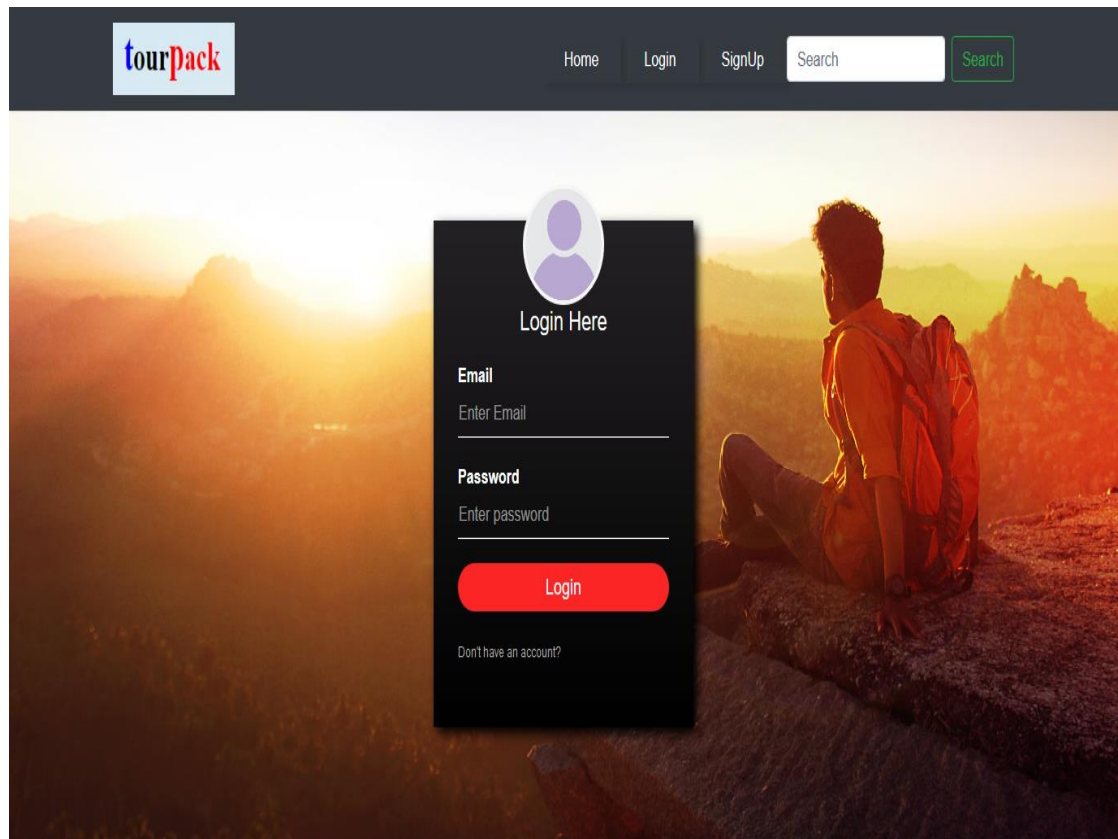


Figure 4.1.3.1: Login page

Users can access all features after they login with valid user information. Login page contains email and password and also a check button to save cookies after login for a long period of time.

4.1.4 Main Page:

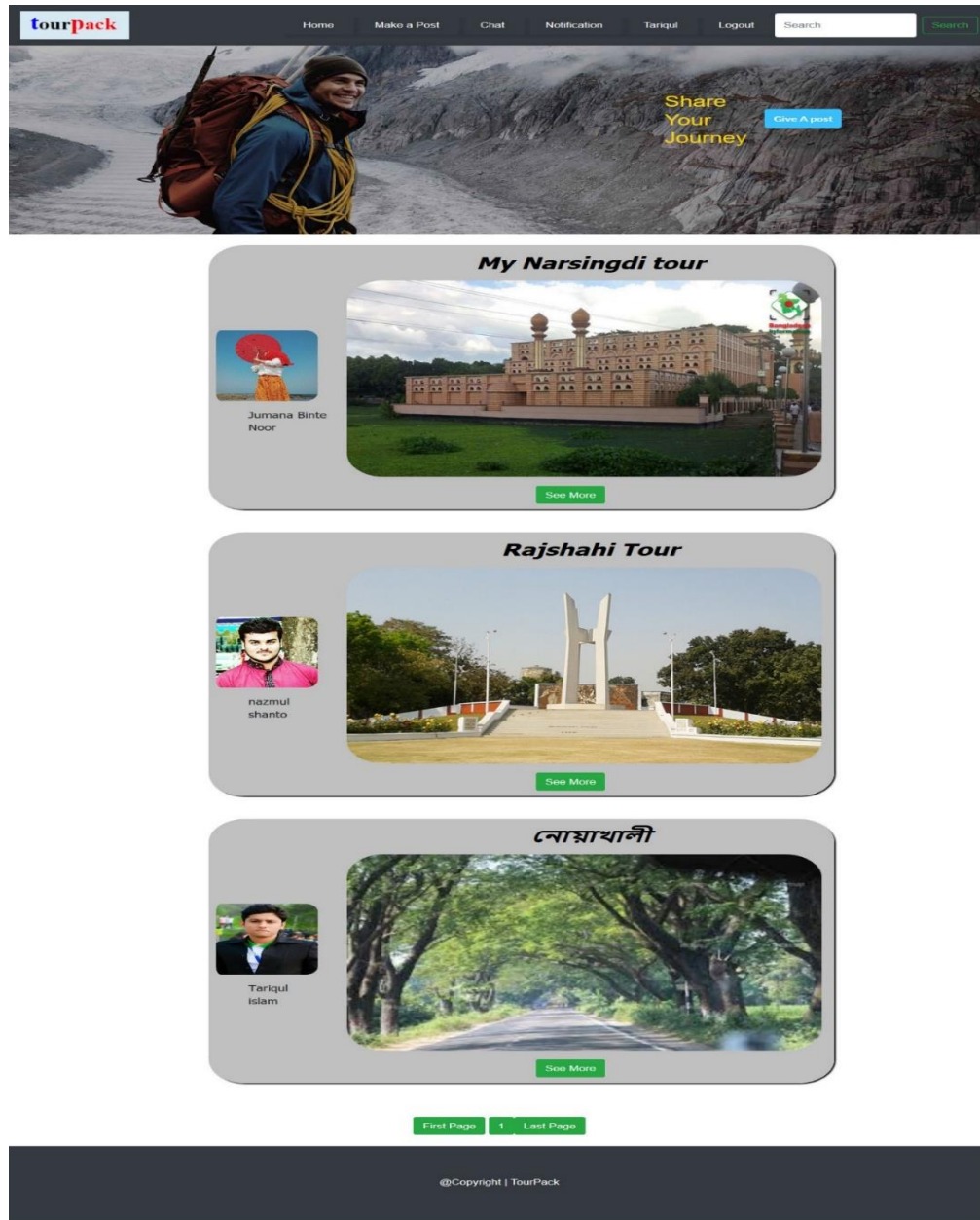


Figure 4.1.4.1: Main Page

This page is for only registered users, Users can view posts details, messaging option, give a post, use search bar, view personal profile etc. They can view that information after completing the authorization or when the login is done successfully.

4.1.5 Make a Post:

The screenshot shows the 'Make a Post' interface on the tourpack website. The top navigation bar includes links for Home, Make a Post, Chat, Notification, Tariqul, Logout, and a Search bar. The main content area is titled 'Make a post here' and contains a light blue rounded rectangle for adding a cover photo, with a 'Browse...' button and the text 'No file selected.' Below this is a text input field for 'Add a Journey title'. A second light blue rounded rectangle is titled 'Add Post details' and contains three green rounded rectangles for text input. Each green box has a 'Browse...' button and the text 'No file selected.' to its right. The labels 'Add travelling process', 'Tell about your travelled place', and 'Share your Experience' are positioned to the right of the three green boxes respectively. A 'Post' button is located at the bottom of the 'Add Post details' section. The footer of the page displays '@Copyright | TourPack'.

Figure 4.1.5.1: Post page

Users can post about their travelling experience & share the information's with other travelers.

4.1.6 View Notification:

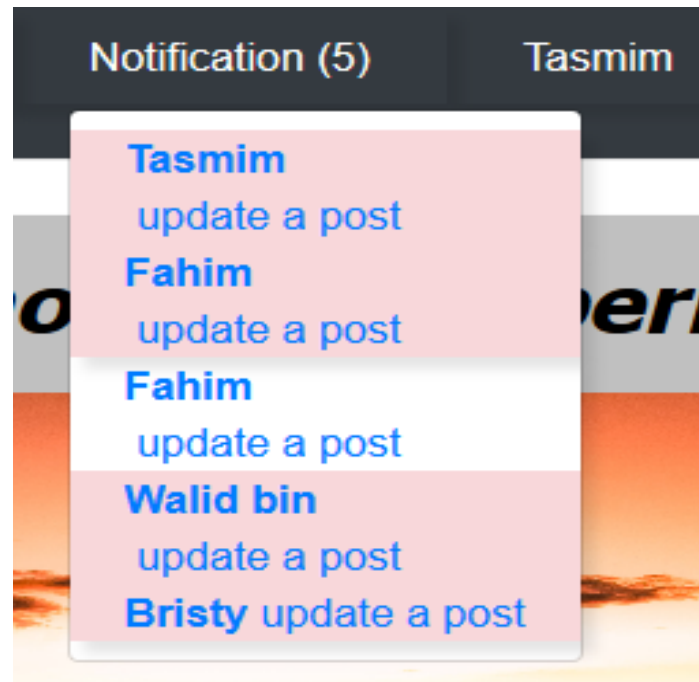


Figure 4.1.6.1.: Notification bar

When a user post running train information, then every user will get the notification. While a notification is checked the it colors will turn into white and all unchecked notification will remain as in the default color.



Figure 4.1.6.2: View Notification

After clicking the notification, other users can view the updated traveling status/information, and the details of the notified status.

4.1.7 View profile:



Figure 4.1.7.1: View Profile

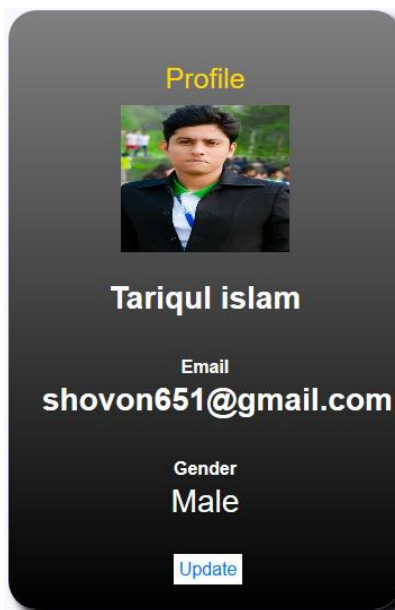


Figure 4.1.7.2: View Profile Result

In this section, only registered users can view other user's contact after clicking the button.

4.1.8 Messaging System:

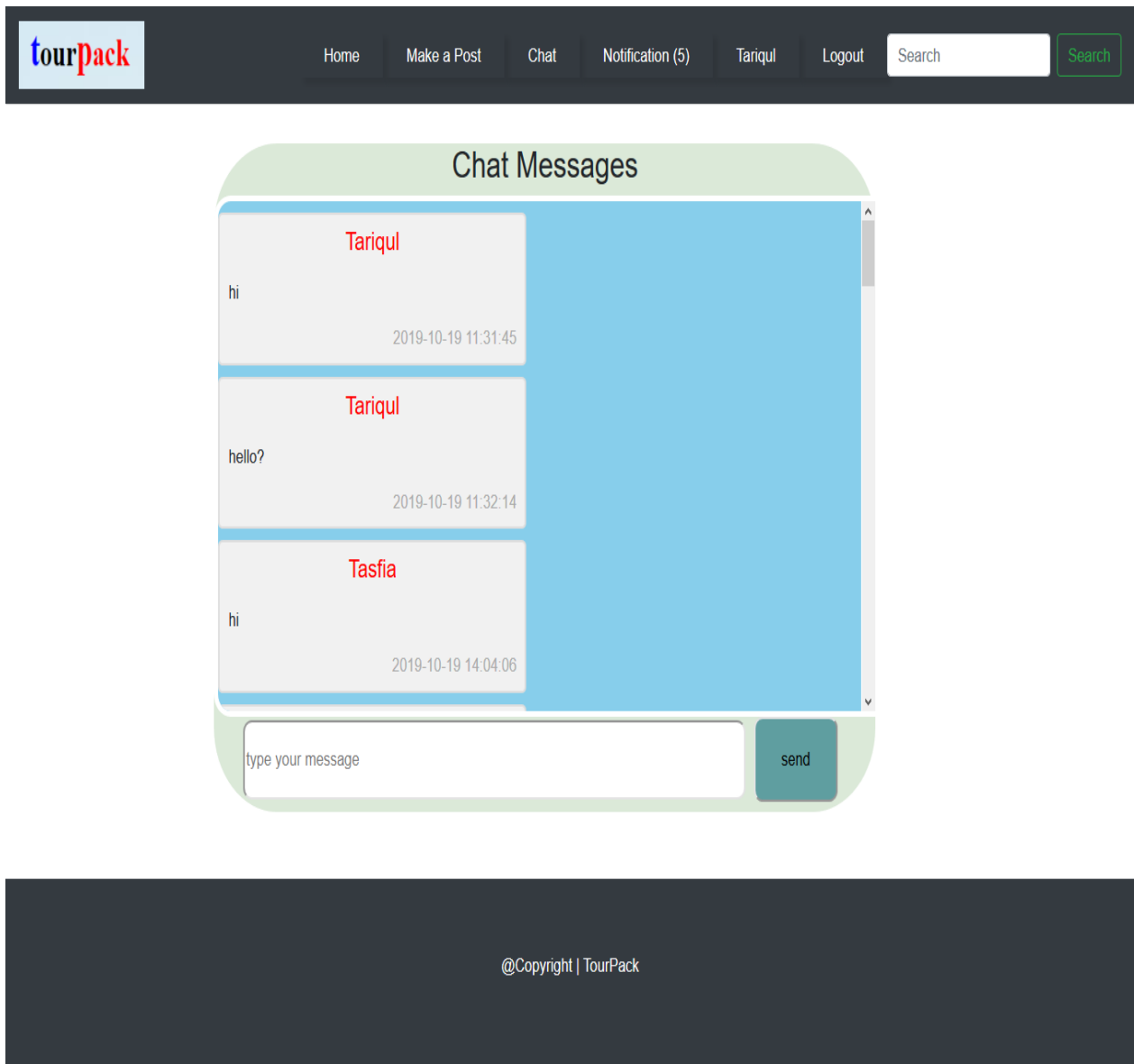


Figure 4.1.8.1: Messaging page

This page is for only registered users, one user can communicate with other users through messages.

4.1.9: Profile page:

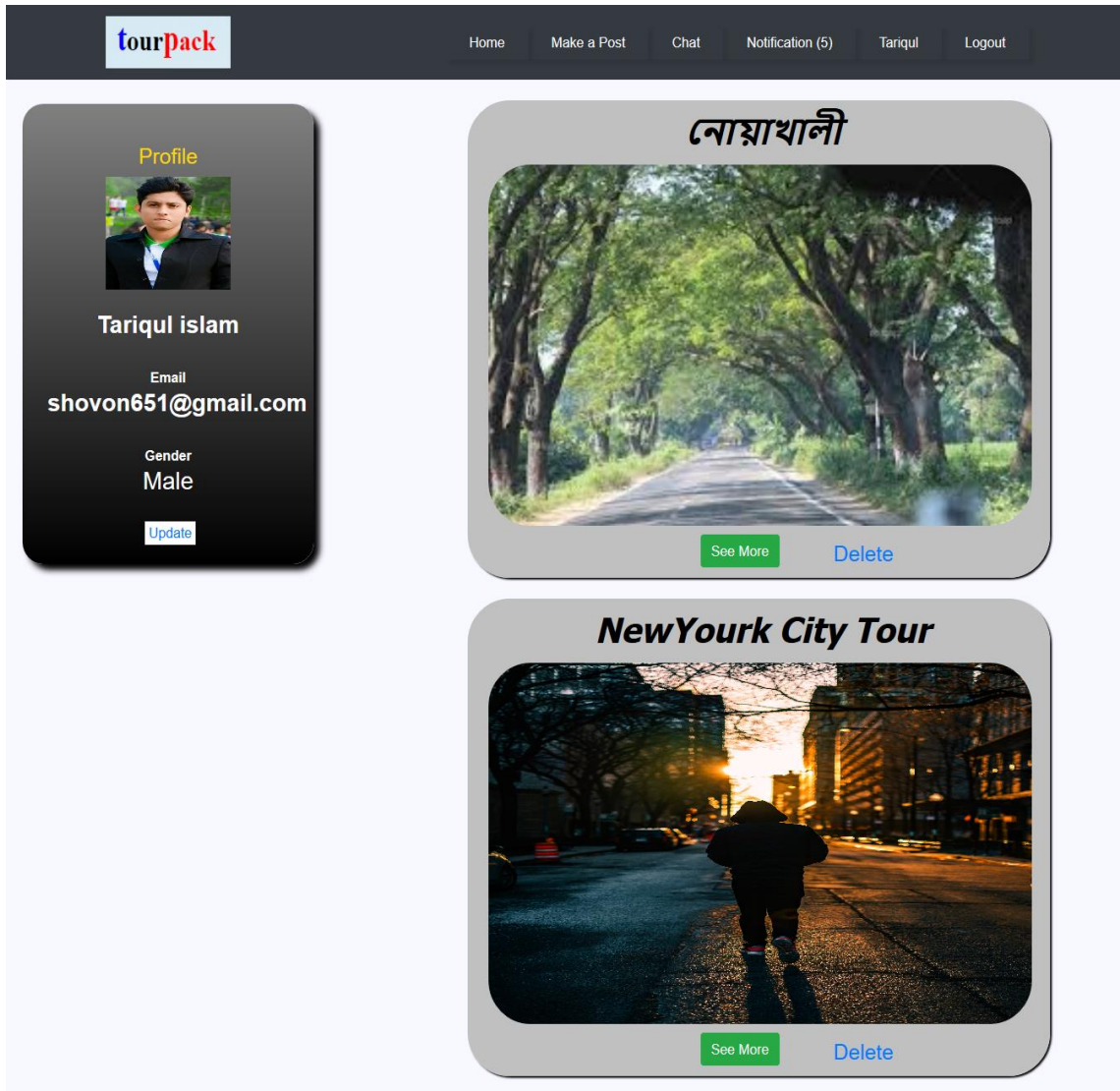


Figure 4.1.9.1: Profile page

In this section, only registered users can view their previous post information and personal details. He or she can edit/update his/her personal information by clicking the update button and also can delete his/her previous post, for this he/she has to click update option to edit and delete option to delete post.

4.1.10 Search Bar:



Figure 4.1.10.1 Search Bar Option

By using this search bar, any user can search for their desired destination.

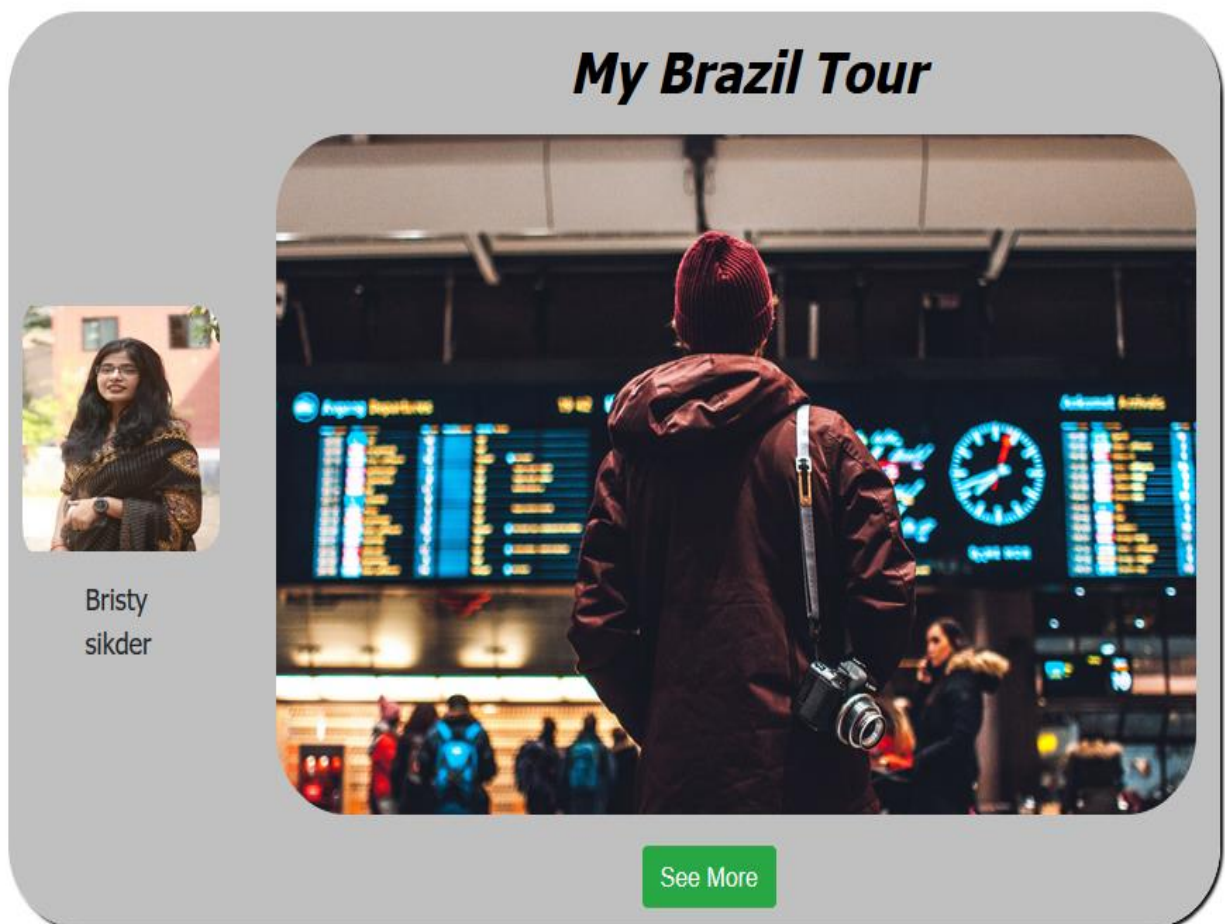
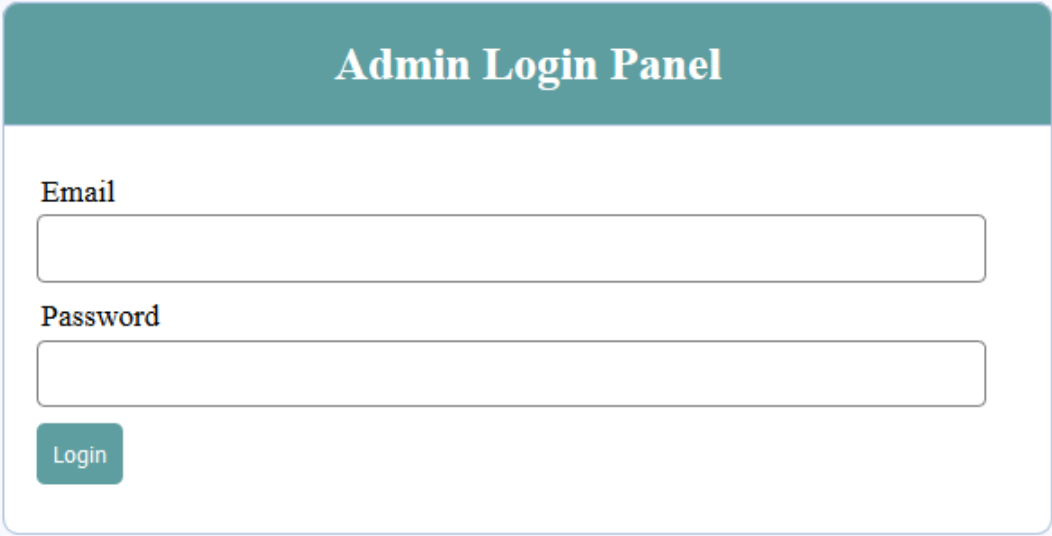


Figure 4.1.10.2 Search Result

4.2 Back-end Design

4.2.1 Admin login page



The image shows a web form titled "Admin Login Panel" in a teal header. Below the header, there are two input fields: "Email" and "Password". The "Email" field is a simple text box. The "Password" field is a text box with a small eye icon on the right side, indicating a toggle for password visibility. Below the "Password" field is a teal "Login" button. The entire form is set against a light blue background.

Figure 4.2.1.1 Admin login page

This is the Admin login page. To log in this system admin must use his email address and password. After login admin will get access to the whole system.

4.2.2 Dashboard (admin panel)

TourPack Admin Panel

HomeView PostsLogout

Users Details

Name
Bristy sikder
Tariqul islam
nazmul shanto
Walid bin Sayed
Tariqul islam

Users Post

Title	Travelling process	About traveled place	Personal Experience
My Rajshahi Tour	Traveling from Dhaka to Rajshahi was a quite good experience for me. I traveled to Rajshahi a few months ago in 28th February 2019. we were two people in total & we started the journey from Abdullapur, uttara bus stand. We booked two tickets & per ticket price was 450 taka. It tooks almost 5 and a half hours to reach in	My Rajshahi tour was quite good. The hotel rent in Rajshahi town was 500 taka to 1000 taka only. And the food price was also affordable where the fooding price was 150 taka to 500 taka on average. We traveled Rajshahi University campus And Other Local places in Rajshahi which was a good experience to discover the Rajshahi Town. We also traveled from Rajshahi to Natore by bus where the ticket price was 50-60 taka. And it	My traveling experience in Rajshahi was Amazing because of the traveling comfort and tourism expense. I will recoment to visit all the mentioned places of Rajshahi and Natore. Cause, All the places was super beautiful and perfect to

Figure 4.2.2.1 Admin dashboard (admin panel)

The admin dashboard often called Admin or admin panel. Admin can see all user's information. All those can select from top navigation.

4.2.3 View Post (admin panel)

Tour Pack Admin Panel

HomeView PostsLogout

Users Post

FirstName	Title	Travelling process	About traveled place	Personal Experience	Action
Tariqul	My Rajshahi Tour	Traveling from Dhaka to Rajshahi was a quite good experience for me. I traveled to Rajshahi a few months ago in 28th February 2019. we were two people in total & we started the journey from Abdullapur,uttara bus stand. We booked two tickets & per ticket price was 450 taka. It tooks almost 5 and a half hours to reach in Rajshahi Bus stand. And	My Rajshahi tour was quite good. The hotel rent in Rajshahi town was 500 taka to 1000 taka only. And the food price was also affordable where the fooding price was 150 taka to 500 taka on average. We traveled Rajshahi University campus And Other Local places in Rajshahi which was a good experience to discover the Rajshahi Town. We also traveled from Rajshahi to Natore by bus where the ticket price was 50-60 taka. And it was not far enough	My traveling experience in Rajshahi was Amazing because of the traveling comfort and tourism expense. I will recoment to visit all the mentioned places of Rajshahi and Natore. Cause, All the places was super beautiful and perfect to	Delete

Figure 4.2.3.1 View Post page (admin panel)

The objective of this part are those that require a specific answer, admin can delete any users post.

4.3 Interaction design and UX

My System will be going to help travelers, especially to new travelers to get necessary travelling information to make travelling better & comfortable. Most of the traveler wants to get travelling information easily but they don't get those types of services. So I am not only providing online travelling information's for travelers but also with 100% accuracy of them. I can guarantee my system will give you this type of service with quality. My system provides users valuable time to save, guidelines, quality, and accuracy. With the reliable form and security of all information about my system.

4.4 Implementation Requirements

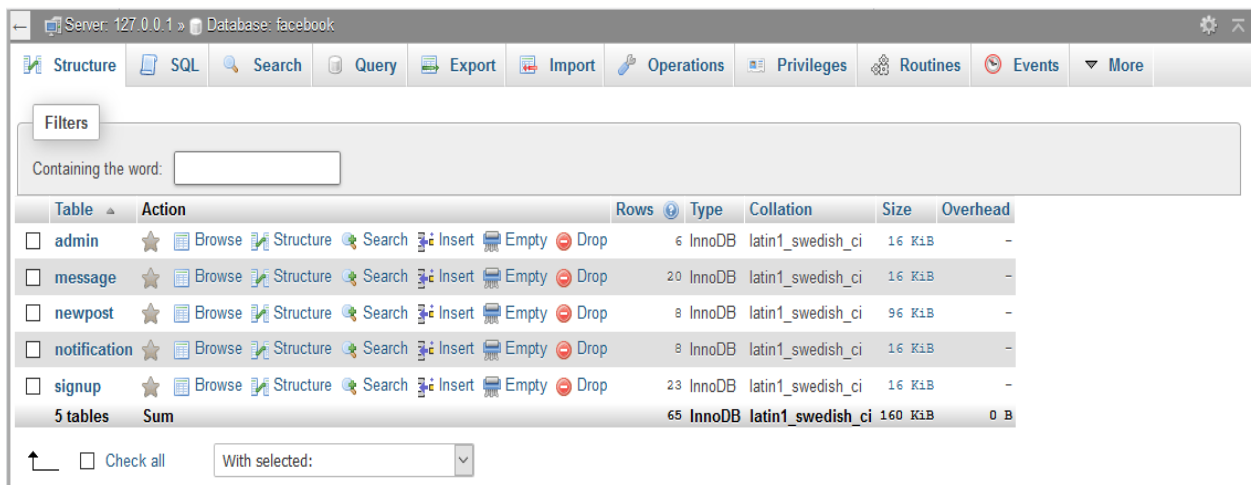
I discuss all the technical requirements previously. If every portion is ready than I surely start the implementation of my system.

Chapter 5

Implementation and Testing

5.1 Implementation of Database:

Database implementation is a very important part of any dynamic web project. Database provides information to the web pages when they call it. Here is the database table of my project.



The screenshot shows a database management interface for a server at 127.0.0.1, database 'facebook'. The interface includes a top menu bar with options like Structure, SQL, Search, Query, Export, Import, Operations, Privileges, Routines, Events, and More. Below the menu is a 'Filters' section with a search box. The main area displays a table structure for 5 tables: admin, message, newpost, notification, and signup. Each table row includes a checkbox, a star icon, a 'Browse' button, and icons for Structure, Search, Insert, Empty, and Drop. The table details include the number of rows, storage engine (InnoDB), collation (latin1_swedish_ci), size, and overhead.

Table	Action	Rows	Type	Collation	Size	Overhead
☐ admin	★ Browse Structure Search Insert Empty Drop	6	InnoDB	latin1_swedish_ci	16 KiB	-
☐ message	★ Browse Structure Search Insert Empty Drop	20	InnoDB	latin1_swedish_ci	16 KiB	-
☐ newpost	★ Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_swedish_ci	96 KiB	-
☐ notification	★ Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_swedish_ci	16 KiB	-
☐ signup	★ Browse Structure Search Insert Empty Drop	23	InnoDB	latin1_swedish_ci	16 KiB	-
5 tables	Sum	65	InnoDB	latin1_swedish_ci	160 KiB	0 B

At the bottom, there is a 'Check all' checkbox and a 'With selected:' dropdown menu.

Figure 5.1.1.1: Database Table

5.2 Implementation of Front-end Design

I show all of the design for the front-end and also discussed which page works for which one page and how in chapter 4. By HTML and CSS this system is implement all of that design and the interacting between design and back-end.

5.3 Implementation of Interactions

Interaction means action between two things. In my system, the interaction between database and the design is a pathway of JavaScript and PHP backend. For server side here used PHP and for client side here use HTML, CSS and JS. The interaction of the things is very fast and smooth. In computing, associate implementation could be a realization of a technical specification or formula as a program, code part, or different automatic data processing system through programming and reading. Several implementations might exist for a given specification or normal.

5.4 Testing Implementation

5.4.1 Theme Unit Testing

Unit testing is a process of software development. In unit testing, we test the smallest part of an application. Unit testing is individually and independently scrutinized for proper operation. It is done manually, often it is automated.

5.4.2 Browser Testing

My Travelling website named Tourpack works for the user's website is easy-to-use and also browser automation provides a communicator testing API. By default, dusk doesn't need you to put in JDK or antioxidant on the user machine. Instead, dusk uses a standalone Chrome Driver installation. However, disengaged to utilize the other antioxidant compatible driver users want.

5.5 Test Result and Reports

Basically, test report is generated for testing a system in a formal way it gives an Opportunity to check every portion of the system Test result is needed for user acceptance because it helps the system developers to make the system more efficient and user-friendly. A generated test report describes the environmental condition which shows the variations of test outcomes.

To develop an ideal Tourism website, there are some tests to ensure the quality and reliability. Those may be

- Performance Testing
- Usability Testing
- Search Result Analysis
- Ask Question
- View Question
- Testing Login Validation

From those tests, I am going to check the Login Validation portion.

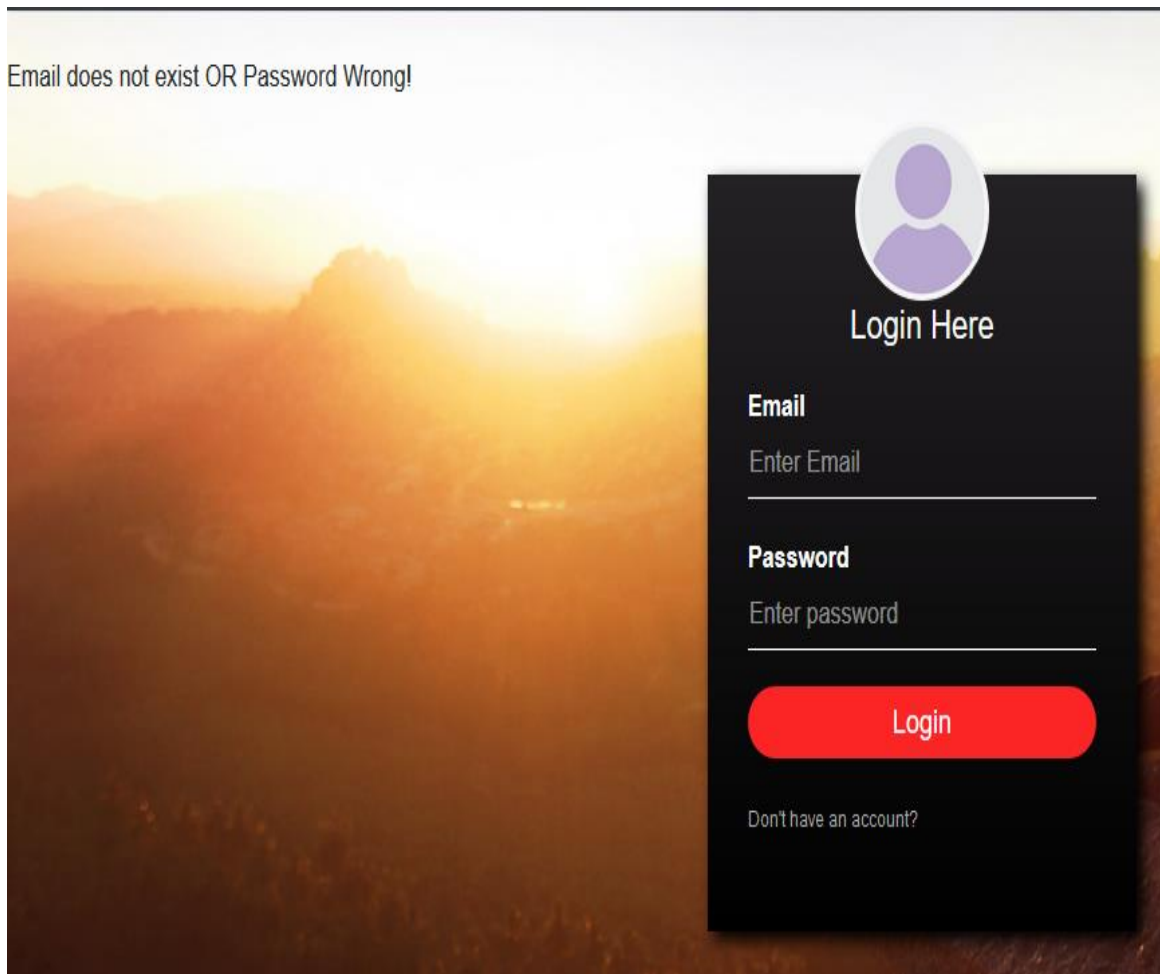


Figure 5.5.2.1: Login validation portion page

Now I can check the —Add to Login Validation in some aspects

- ☐ Add Email Address
- ☐ Add Password as credentials

Chapter 6

Conclusion and Future Work

6.1 Discussion and Conclusion

After a long journey on this project here, I proudly announce that this system has been made to go for user and the system will be used for various purposes. With time and progress, this system will be a common tool used by people for making tourism better than before what will help to increase the travelling experience with the help of user to user information sharing. This project is a complex and useful web application. This could be a phenomenal project with a course of time.

This project ended, but only for right now. Because many things which may add in the future. I have a lot of scope for future work. All of the expected outcomes is fulfilled by this project. I can say that my project is better than any other travelling websites according to the different facility like user to user information sharing and user to user connection through a chat option and also with a lot of new features.

6.2 Scope for Further Developments

In this project, there is some scope to add additional or new features. Or if anyone wants to keep working on it she/he has proper scope to work on it. Here are some key things that can be added.

- 1) Faster to load.
- 2) Add Google map.
- 3) System will implement the new UI if needed for good looks.

REFERENCES

- [1] Stackoverflow.com, 'help modules on Stackoverflow'2012. [Online]. Available <https://stackoverflow.com/help> [last accessed on 10 November 2019].
- [2] Tour.com.bd , "bd tourism website" , [Online].Available: <https://tour.com.bd/> Last accessed on 12 November 2019].
- [3] Bengaltours.com, 'Finding train/bus ticketing/booking in bd'. [Online]. Available: <http://bengaltours.com/> . [Last accessed on 12 November 2019].
- [4] nijhoom.com, 'Focused on foreign tourists in bd. [Online]. Available: <https://nijhoom.com/>. [Last accessed On 15 November 2019]
- [5] Tutorialspoint.com, 'sdlc software life cycle'. [Online], Available: https://www.tutorialspoint.com/sdlc/sdlc_overview [Last accessed on 18 November 2019].
- [6] Wikipedia.org, 'windows 10'. [Online], Available: https://en.wikipedia.org/wiki/Windows_10 [Last accessed on 18 November 23, 2019].
- [7] Wikipedia.org, 'Linux'. [Online]. Available: <https://en.wikipedia.org/wiki/Linux> [Last accessed on 19 November 2019].
- [8] w3schools.com, 'html5 & css3', 2018. [Online]. Available: https://www.w3schools.com/html/html5_intro.asp [Last accessed on 19 November 2019].
- [9] Google.com, 'For all kinds of help & resources.' [Online]. Available: <https://www.google.com/> [Last accessed On 20 November 2019]

PLAGIARISM

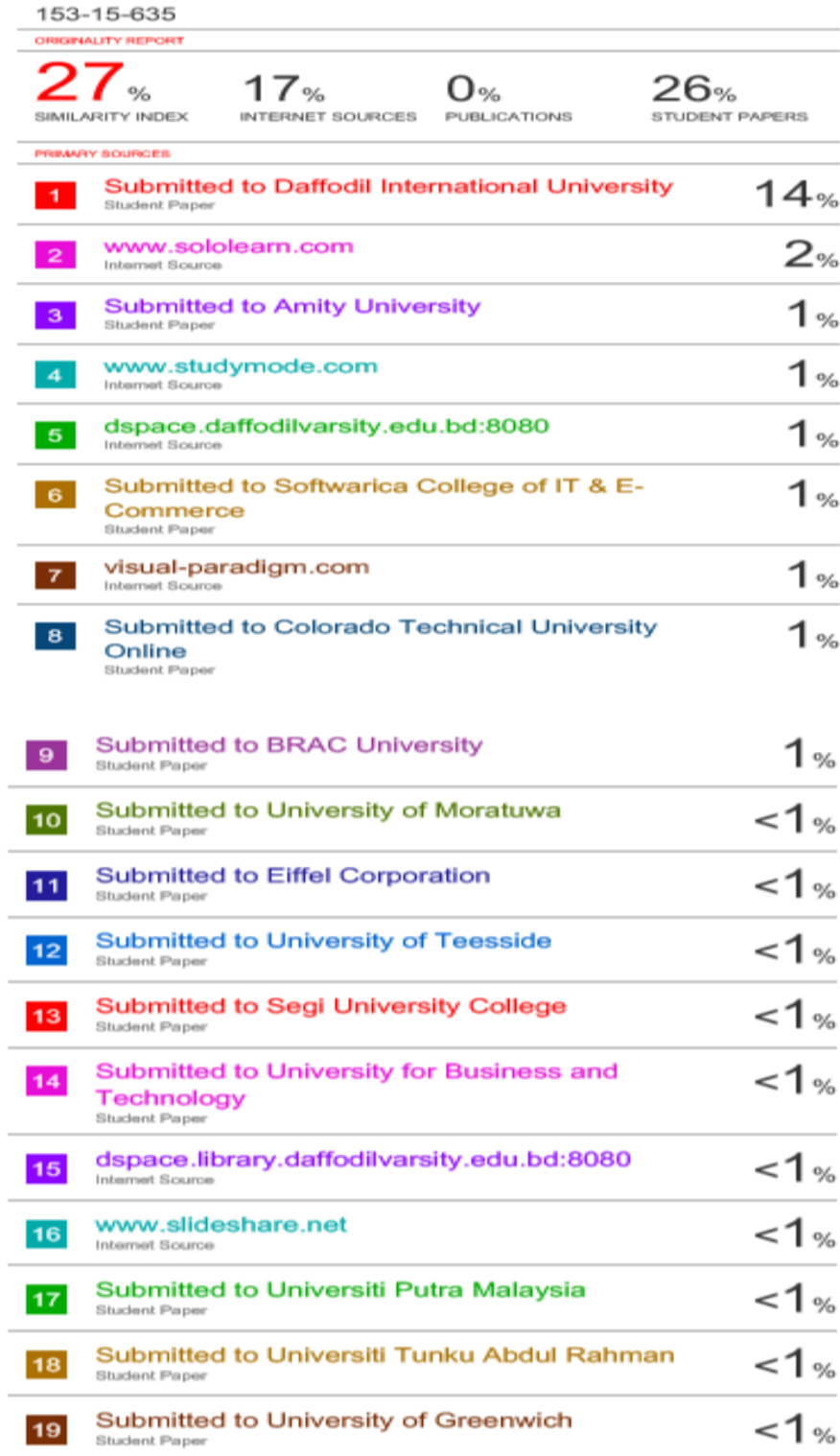


Figure 6.1.1: Plagiarism Report

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Figure 6.1.2: Plagiarism Report