

Travelersofbd Online Travelers Platform

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A project in the Department of Computer Science and Engineering presented
in partial fulfillment of the requirements for the Degree of
Bachelor of Science in Computer Science and Engineering



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Declaration

We, Atik Shahriar Ratul, Shahrin Ahmed, Farzana Gisan, declare that this project, Travelersofbd website and the work presented in it are our own. we confirm that:

- This work was done wholly or mainly while in candidature for a BSc degree at United International University.
- Where I have quoted from the work of others, the source is always given. With the exception of such quotations, this thesis is entirely my own work.
- I have acknowledged all main sources of help.
- Where the project is based on work done by myself jointly with others, I have made clear exactly what was done by others and what I have contributed myself.

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Statement of Originality

I do hereby declare that the research works embodied in this project entitled “**Online Travelers Platform Travelersofbd**” is the outcome of an original work carried out by Atik Shahriar Ratul, Shahrin Ahmed, Farzana Gisan, under my supervision.

I further certify that the dissertation meets the requirements and the standard for the degree of BSc in Computer Science and Engineering.

(Supervisor)

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Abstract

Online Tourism is the exhortation about tourism both Web and mobile technologies.

Online tourism, digital tourism, e-tourism what has a gigantic impact on how tourism is driven. Majority amount of online tourism and most part of travelling are now online. The internet is most used way to search for information about tourist place.

Travel social networking site is the platform to find traveling partner which makes it easy for travelers to connect and to travel the world together. The issue of having a very few amount of travelling social networking websites like this, we intend to provide a social networking website for travelers. We believe that traveling is more fun when you have someone with whom you can share your travel experience and adventures and this project will help travelers with useful information about tours and travels.

Acknowledgement

First of all, we would like to express my gratitude to Almighty Allah to enabling us to complete this report on “**Online Travelers Platform Travelersofbd**”

We convey our deepest appreciation and sincere gratitude to our Academic supervisor **Mr. Suman Ahmed, Asst. Professor of Department of CSE, United International University** for giving us the opportunity to work on this topic. It would never be possible for us to take this project to this level without his innovative ideas and his relentless support and encouragement.

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Chapter 1

1.1 Introduction

Travelling is getting more and more popular by these days. So it becomes a matter for the travelers to minimize the cost for travelling. Because we believe that, " The more they can save, the more they can travel." That's why we have created an online social platform where travelers can find more buddy to travel their desire places and minimize their travelling cost.

Social networking sites have become more prevalent under the rapid development of internet and also have effect the developers who are willing to create travelling social networking website. We are willing to create this website according to help the users by providing them easy way of travelling with lots of features.

Usually when I plan for a tour, I can't find known person to travel with me. Sometimes in specific travel's location I need some specific travelers who can survive & specialist that kind of traveling places. It also reduces cost for solo travelers. Sometime travelers need a lot of information about planning a tour.

Moreover, it is very hard for a traveler to find specific location and information about the place they want to visit. If they have a blog or community, it would be very helpful. If we have a site where we can easily find travel buddy, it also cost reduce for solo travelers. So we have decided to implement this idea and we want to establish this kind of social traveling platform.

Our "Travelersofbd" provides an opportunity for any traveler to learn about various important instructions and guidance about different places, tours and discuss about the topic. In this platform, a traveler can see the contents, share problems, provides advice to each other and share their skills and ideas.

1.2 Literature Review:

Online Travelers Platform web application support the connection between various users joining on the website.

A good Online Travelers Platform should have the following option to the users for better usability:

- Always updated user trips.
- Send all security notifications or messages.
- Make an easy searching for the user
- Always show required when entry for create trip, create blog etc.

1.3 Objectives of the project

Main objectives of this project are as follows:

- To help the travelers to make groups among themselves in order to travel places so that they can minimize the travelling cost.
- To enrich the travelling experience by offering numerous services, content and products that have significant perceived and added value for travelers of Bangladesh.
- To run and maintain the “Travelersofbd” so that users can use the site to learn and discuss problems on various topics.
- To make a social connection between people from different areas who has interest in same place for traveling.

1.4 Scope of the project

As the Internet evolved, it enabled new sort of interactive communication among users, where users became involved in generation and distribution of information. Travelersofbd is a web -based platform where a person will have lots of opportunities to learn about different visiting places, to have different range of budget and to find traveling partners.

The appearance of the site changed the way users can engage and connect with one another, as it made it possible for them to not only communicate with tourism operators, but also

with other fellow tourists, from whom they can get first-hand information about how their travel experience was, and make decision based on their stories.

Finally, we claim that our project is necessary and helpful for those who are interested to Travel with some genuine information in the easiest way though the website.

1.5 Overview of the project

In our project “Travelersofbd” we studied the basics of web development, web programming and logical things before start implementation of our project.

In this project registered users can create posts inside the blog and see the blog posts, ask questions through comment, give solution about any topics. Users can also create trips basis on his/her necessity. User can create groups and join different public group.

1.5.1 Project Description

“Travelersofbd” can be described using following modules. Each of following modules has different functionalities.

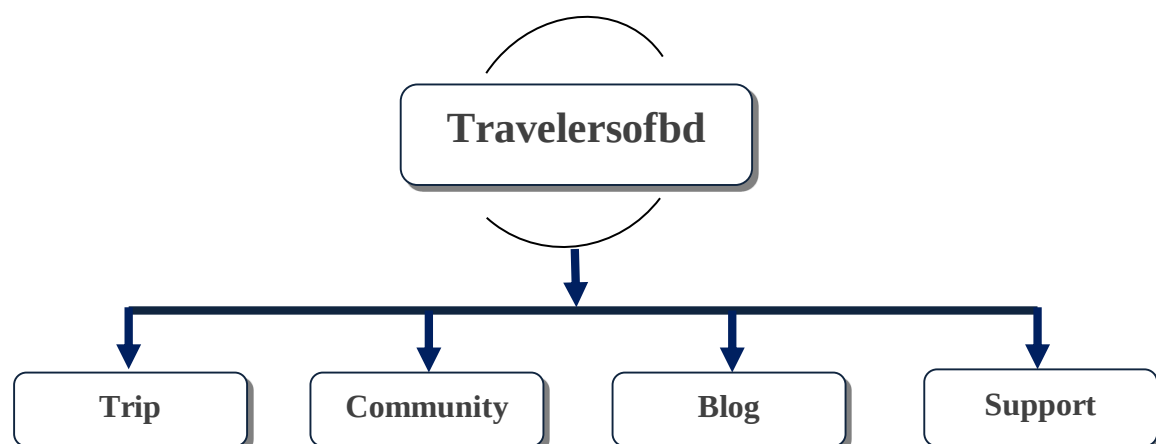


Figure 1:Educare Forum Project Description

CHAPTER 2

Requirement Analysis

2.1 Background Studies

We research our benchmark studies among different types of travelling website, typically under the auspices of product information and Usability. The websites which we benchmark for this project are describe below,

2.1.1 travellerspoint.com

travellerspoint.com gives a lot of information about travelling. Currently they have 950,000+ Members, 850000+ Mapped Trips, 300000+ Blog Entries, 4500000 Photos.

Key Features:

This site has lot of feature and information. Some important feature is given below

- Trip
- Blog
- Community
- Travel map
- Search
- Photography
- Travel Booking

Limitations:

Though this site has too many information about travelling and blogs, we find some flows and limitations those are as follows,

- Do not have good search options.
- The Site is not user friendly.

2.1.2 travelbuddy.com

travelbuddy.com is an online travel booking website. Here traveler can book their hotel flight cars. Here also book tour from different websites.

Key Features:

This site has many useful features and information. Some of the key features are as follows

- Flight & Hotel Deals
- Travel Deals
- Car Deals
- Travel Packages

Limitations:

Though this site has some information about travel deal but we find some flows and limitations those are as follows

- Only information about some travel deal.
- Online booking hotel flight and cars.
- No information about travelling places.

2.1.3 lonelyplanet.com

lonelyplanet.com is one of the most useful site for travel. This site provides video of tourist place. Travelers can travel with this site. Travelers know the tourist place of anywhere in the world.

Key Features:

This site has many useful features and information. Some of the key features are as follows -

- Trips
- Videos
- Search
- Booking
- Shop
- Community
- Travel Booking

Limitations:

Even though this site has a lot information about travel but, we find some flows and limitations those are as follows

- Do not have any kinds of user review.
- Fixed trip by admin.
- User can't create trip.

2.1.4 echutti.com

echutti.com is online travelling platform. They have lots of amazing feature.

Key Features:

This site has many useful features and information. Some of the key features are as follows

- Trips
- Blogs
- Travel Calendar
- Trip Forum
- Search
- Create Trip
- Travel Club

Limitations:

Even though this site has a lot information about travel but, we find some flows and limitations those are as follows

- Not available in our Country.

2.1.5 tripgiraffe.com

tripgiraffe.com is online travelling platform. They have lots of amazing feature.

Key Features:

This site has many useful features and information. Some of the key features are as follows

- Trips
- Blogs
- Travel Calendar
- Trip Forum
- Search

Limitations:

Even though this site has a lot information about travel but, we find some flows and limitations those are as follows

- Not available in our Country.
- Paid for all services.

2.1.6 travelers of bd.com

Travelers of bd.com is online traveling platform in Bangladesh. It is most useful website in Bangladesh for travelers

Key Features:

This site has many useful features and information. Some of the key features are as follows

- New Trips
- Create Trips
- Trip Finder
- Search
- Community
- Blog
- Support

Limitations:

Even though this site has a lot information about travel but, we find some flows and limitations those are as follows

- No Online Booking Trips, hotel, flight and cars.
- No Social login.

2.2 Functional Requirements

We studied some benchmark on some online travelling sites (Section: 2.1) and identify some very interesting and useful feature which can be very important for user. We also find some flaws and limitation which can be fixable. So finally, we met our project features which contains some important features from our benchmark studies and try to overcome the limitations of them. Our projects key features are described below,

2.2.1 Key Features

- New Trips
 - Create Trips
 - Trip Finder
 - Search
 - Community
 - Blog
 - Support
-
- User can find Trips for particular Destination or particular Budget name or particular Date get full information about this trip.
 - All Trips can be found in here.
 - User can create new Trip.

2.2.2 Development Model

Waterfall Model is very good for development process. Because in this model the process is advanced and the error is minimum. [Figure 2.1] In this figure we are showing our system development model which is waterfall model with feedback.

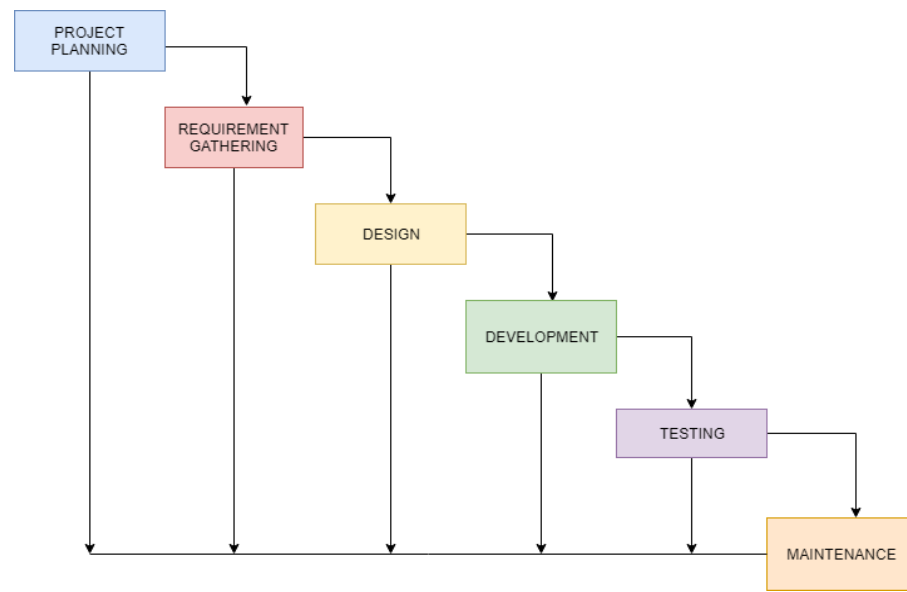


Figure 2.1: Waterfall model with Feedback

2.3 Non-Functional Requirements

We identify some Non-Functional requirements that can help with wonderful user-experience. Our Non-Functional requirements are as follows -

- Register
- Login
- Trip Details
- Comment in Details trip
- Comment in Blog
- Responsive website
- Suggest trips

2.4 Benchmark systems VS Our Proposed System

In this figure [Figure 2.2] we are comparing Our proposed system's main features with

Benchmark websites,

Comparison	travellerspoint.com	tripgiraffe.com	travelbuddy.com	lonelyplanet.com	echutti.com	Our Project
Trip Finder	Yes	Yes	Yes	Yes	Yes	Yes
New Trips	No	No	No	No	No	Yes
Create Trips	Yes	Yes	Yes	Yes	Yes	Yes
Advertisement	Yes	Yes	Yes	Yes	Yes	Yes
Search	Yes	Yes	Yes	Yes	Yes	Yes
Help Post	Yes	Yes	Yes	Yes	Yes	Yes
Trip Finder	Yes	Yes	Yes	Yes	Yes	Yes
User Review	Yes	Yes	Yes	Yes	Yes	Yes
Blog	Yes	Yes	Yes	Yes	Yes	Yes
Community	No	No	No	No	No	Yes
User Dashboard	Yes	Yes	Yes	Yes	Yes	Yes
Admin Dashboard	Yes	Yes	Yes	Yes	Yes	Yes
Registration , Login	Yes	Yes	Yes	Yes	Yes	Yes
Support	Yes	Yes	Yes	Yes	Yes	Yes

Figure 2.2: Benchmark system vs our proposed system

CHAPTER 3

System Design and Development

Stack Holders/Actors:

- ❖ Admin
 - ❖ Can Manage users.
 - ❖ Manage All Trips.
 - ❖ Manage Trip Comment.
 - ❖ Manage All Blog.
 - ❖ Manage all website details.
 - ❖ Develop Website Design
 - ❖ Upload trip Destination
 - ❖ Handle user
 - ❖ Responds & Deletes Comment
 - ❖ Give permissions to advertisers to give ads
- ❖ Visitor
 - ❖ welcome page only
- ❖ Users
 - ❖ User can create Trip
 - ❖ Show all trips
 - ❖ Search all trips
 - ❖ Show trip details
 - ❖ Edit/delete own trip
 - ❖ Edit/delete own blog

3.1 Use Case

A use case is a bridge between requirements and systems design and aids in the understanding of functional requirements. A use case utilizes a persona element, which can be created using the use case all modules. Here we are showing and describe our system use case module by module. All use case module are as follows,

Whole System in Use Case Diagram

3.1.1 Website main Modules

[Figure 3.1] In this use case we are showing our system main modules. This use case carries a brief idea about our system. Basically, in this system has five main modules. Those modules are Login or register module, Online Order module, Payment Module, Online viewing module and Update Database Module.

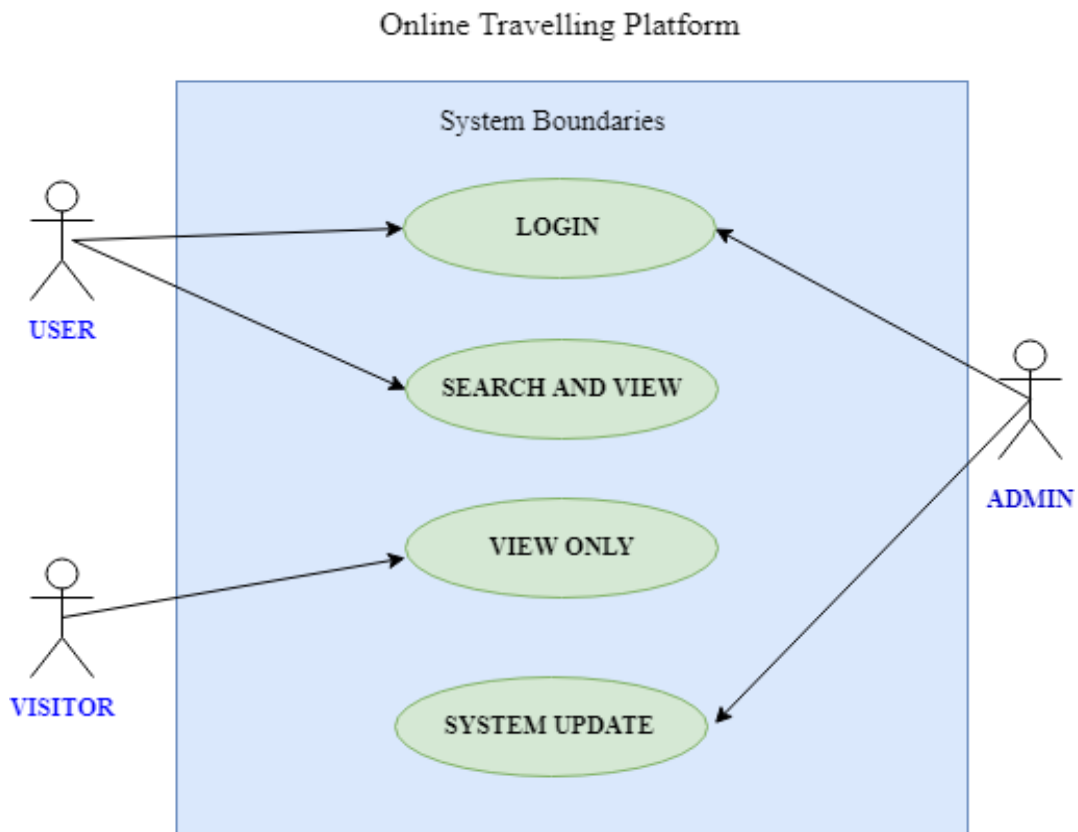


Figure 3.1: Use Case of Main Modules

3.1.2 Login Module

In this module we are focus in our login system and its different functionality. [Figure 3.2] In this use case we are showing our system login module. Login module have mainly two types of functionality, User Login and Admin Login.

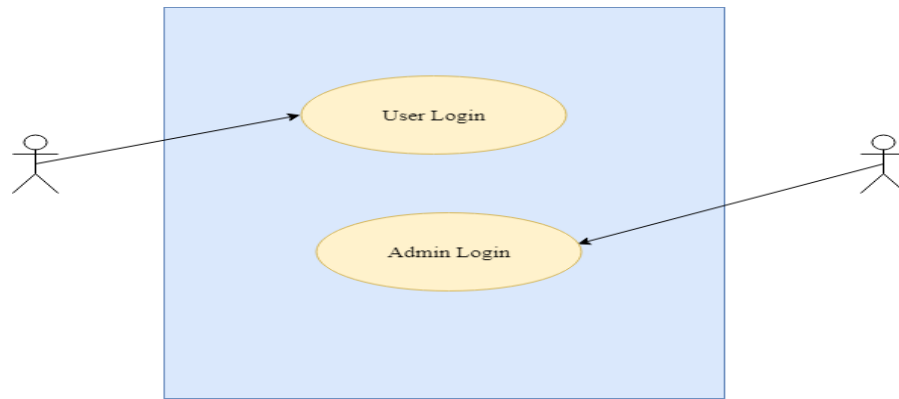


Figure 3.2: Use Case of Login Module

Use Case 1: Find Trip

- ❖ Primary Actor: User
- ❖ Stake Holder and Interest:
- ❖ Pre-Condition: Need to login the System
- ❖ Success-Scenario:
 1. Select Destination want to travel
 - 1.1. View trips
 2. Contact with Trip Member
 - 2.1. Give feedback
 - ❖ Alternative-Scenario
 1. If View failed, give error message to user and system
 2. If System crashes recover the system with prior state

Use Case 3: Update Database

- ❖ Primary Actor: Admin
- ❖ Stake Holder and Interest:
 - Admin: maintain the website
- ❖ Pre-Condition: Need to login the System
- ❖ Post-Condition: Update the Database
- ❖ Success-Scenario:
 1. Admin login the System.
 2. Admin maintain all trips and comments.

3. Update database.
 - ❖ Alternative-Scenario:
If System crashes recover the system with prior state.
 - ❖ Issues: maintain bench-mark.

3.2 Activity Diagram

In this figure [Figure 3.4] we are showing our system's activity diagram. This diagram represents all of the activity in our system which can be possible by users.

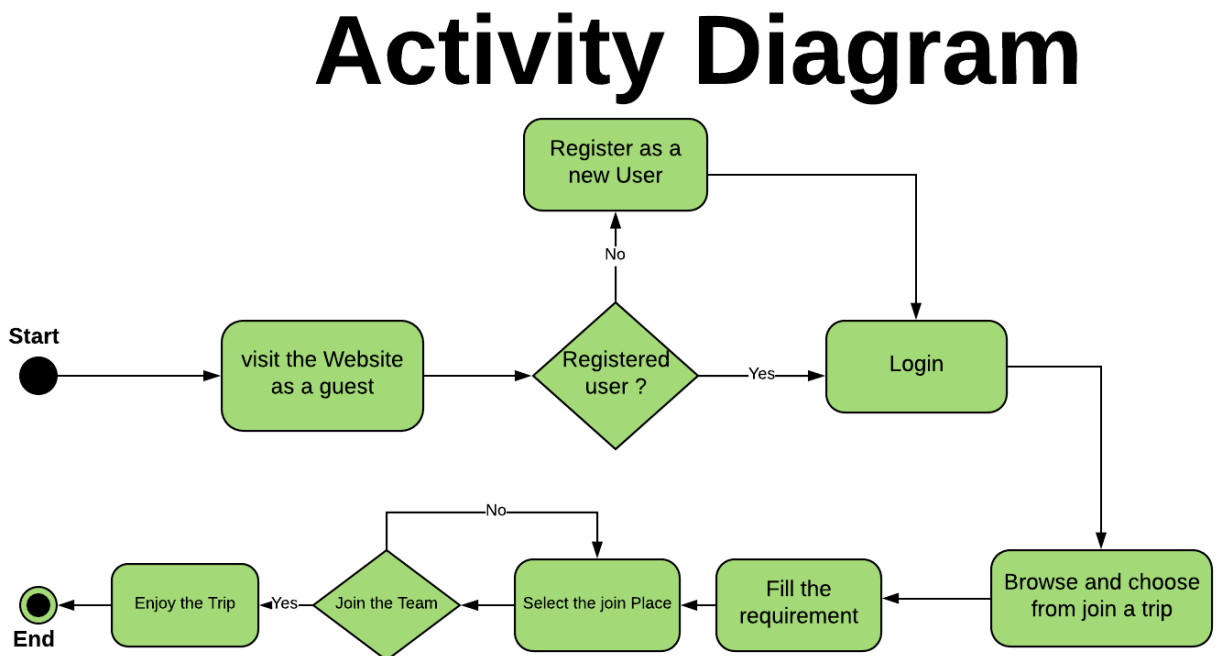


Figure 3.3: Activity Diagram

3.3 Context Diagram

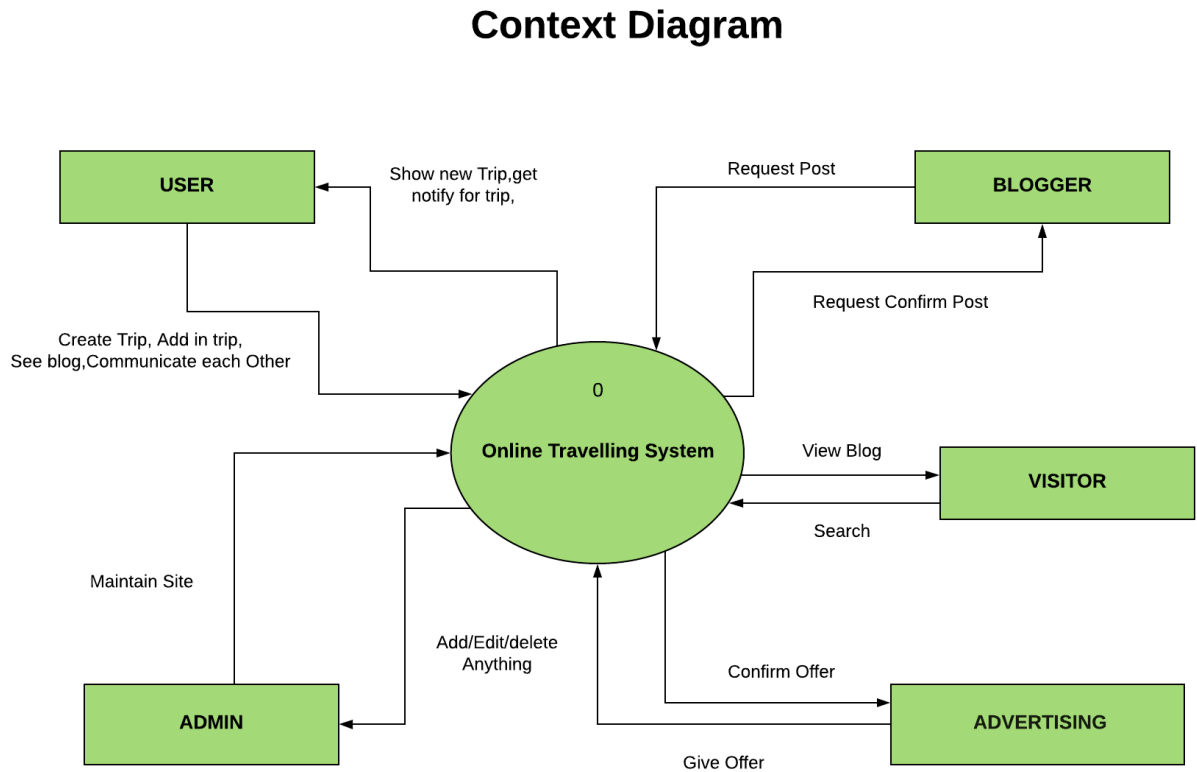


Figure 3.4: Context Diagram

3.4 Implementation Environment

In our system environment we are selecting Laravel framework as a development platform. This framework helps the developers build applications that adhere to the MVC pattern. This framework has added functionality like Html Helpers, validators that work unobtrusively, attribute based model validation, pluggable components and dependency injection, which in turn improved testability and much more.

We are also use Entity Framework (EF) in our project. EF is an Object Relational Mapping (ORM) framework that enables developers to work with relational database. It enabling developers to deal with data as objects and properties.

3.4.1 Framework

- ❖ Laravel 5.7
- ❖ Entity Framework 6

3.4.2 Language

- ❖ PHP (Back end)
- ❖ HTML, CSS, Bootstrap (Front-End)
- ❖ Java Script, jQuery, AJAX

3.4.3 Database

- ❖ MySQL

We Followed Code First Approach to integrate database in our project.

3.4.4 Tools

- ❖ Atom, Notepad++, CMD, visual Studio code

3.4.5 Version Control System

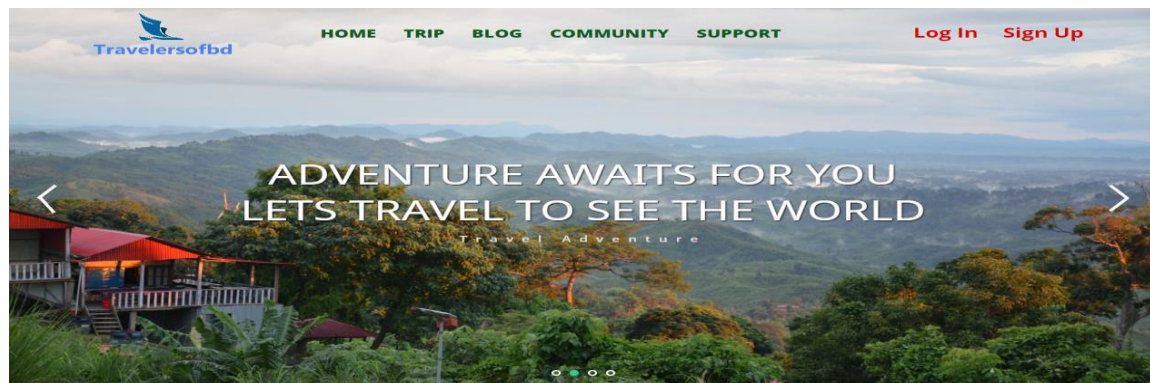
- ❖ GIT

3.4.6 Domain & Hosting

- ❖ Our Domain: <http://travelersofbd.com>

3.5 System Module User Interfaces

[Figure 3.5] This is our system's Welcome page. Users see new trips and blogs in this page.



ABOUT TRAVELER OF BANGLADESH

Travelers of Bangladesh is an online travelling social platform which is designed for minimizing travelling cost of the travelers. Moreover, it will help to know about the tourism spot of our country and for this the tourism sector of Bangladesh will be benefited as well as the travelers.

Figure 3.5: Welcome Page

[Figure 3.6] This is our system's Home page.

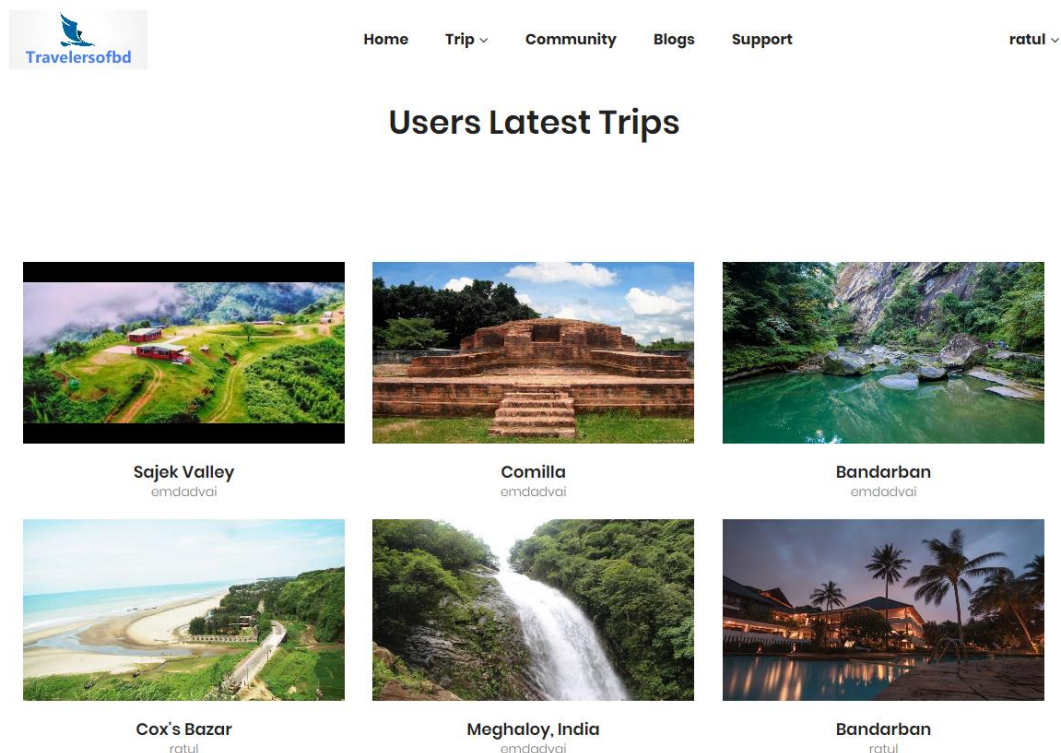


Figure 3.6: Home Page

Admin perspective:

Here is our admin Dashboard. All admin can do are given here.

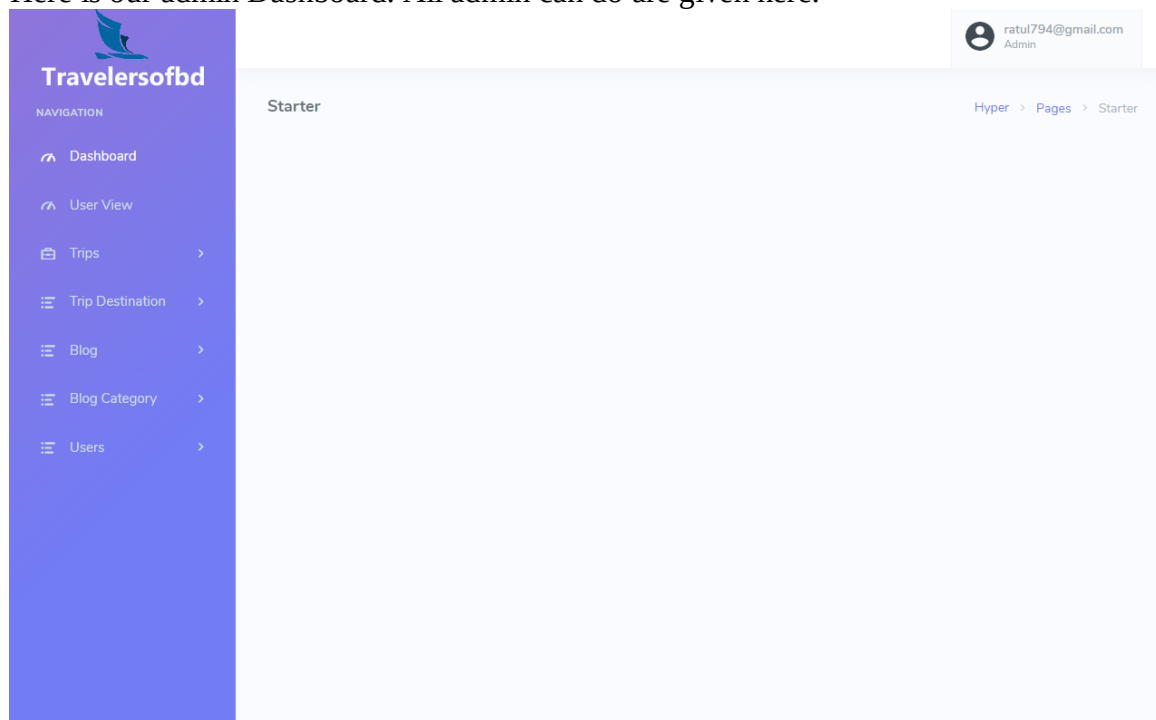


Figure 3.7: Admin Home Page

The screenshot shows the 'All trips Page' of the Travelersofbd application. The sidebar is the same as in Figure 3.7. The main content area is titled 'Trips' and displays a table of trips. Each trip entry has a 'Details' button (blue) and a 'Delete' button (red).

#	Title	From Date	To Date	Destination	Budget	Action
1	সাজেক ভ্যালি	09.02.2019	13.02.2019	Sajek Valley	BDT 0 - BDT 2000	<button>Details</button> <button>Delete</button>
2	Dhaka To Lalmai Pahar (Comilla)	06.02.2019	07.02.2019	Comilla	BDT 0 - BDT 2000	<button>Details</button> <button>Delete</button>
3	আমিয়ামুখ, খানচি	31.01.2019	03.02.2019	Bandarban	BDT 2000 - BDT 3500	<button>Details</button> <button>Delete</button>
4	coxs bazar	28.01.2019	07.02.2019	Cox's Bazar	BDT 8000 - BDT 9000	<button>Details</button> <button>Delete</button>
5	DHAKA TO MEGHALOY	07.02.2019	12.02.2019	Meghaloy, India	BDT 3500 - BDT 5000	<button>Details</button> <button>Delete</button>
6	bandorban	28.01.2019	31.01.2019	Bandarban	BDT 5000 - BDT 7000	<button>Details</button> <button>Delete</button>

Travelersofbd

NAVIGATION

- Dashboard
- User View
- Trips ▾
 - All Trips
- Trip Destination >
- Blog >
- Blog Category >
- Users >

Trips

ratul794@gmail.com
Admin

Figure 3.8: All trips Page

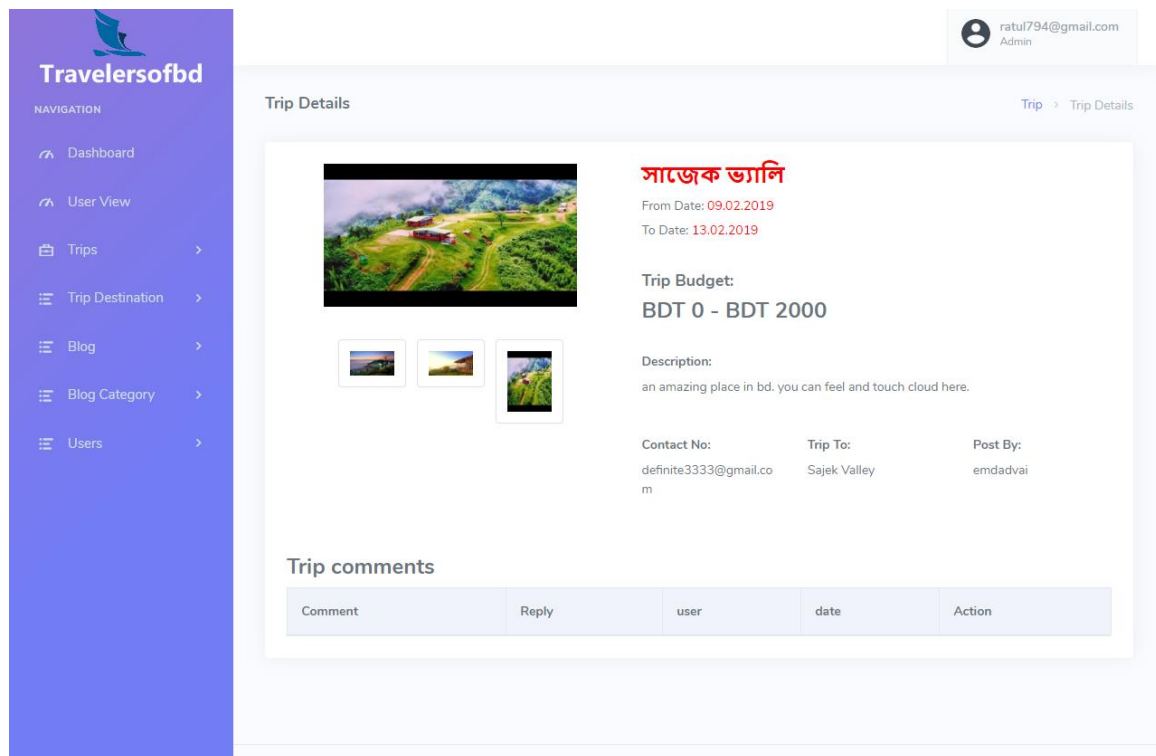


Figure 3.9: Trip Details page

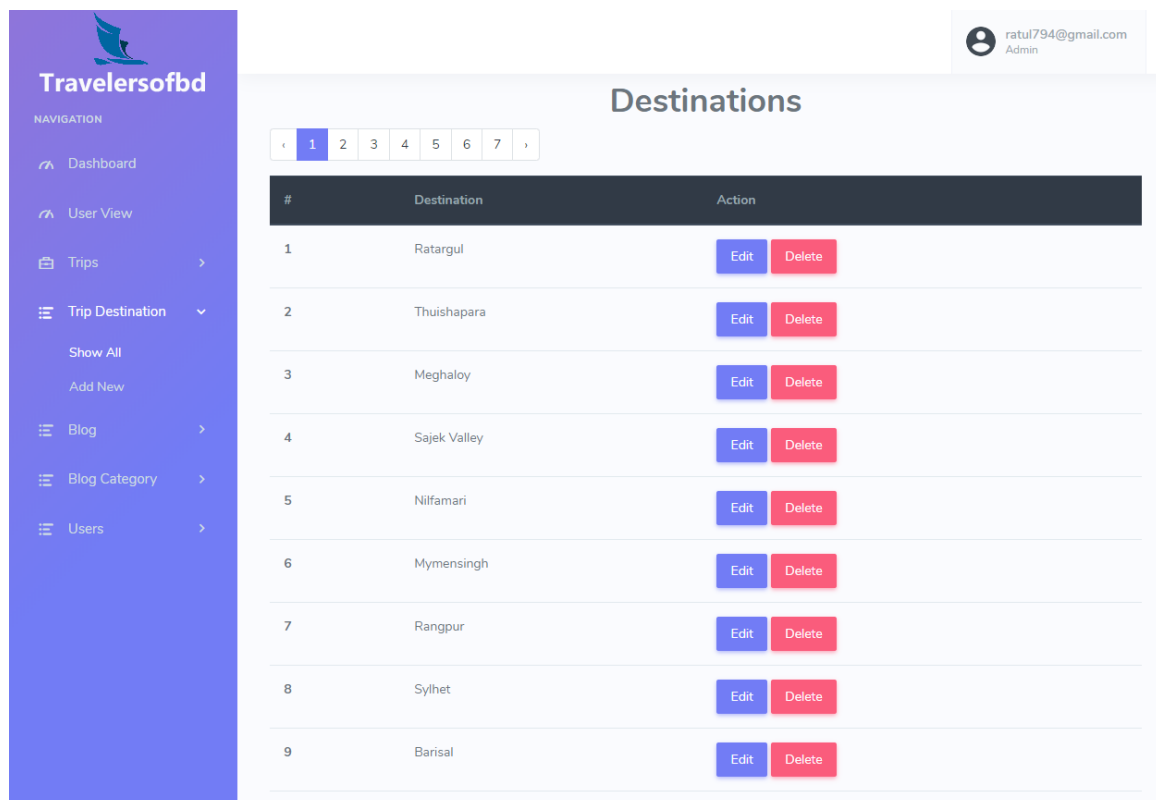


Figure 3.10: Trip Destination page



Travelers of BD

NAVIGATION

- Dashboard
- User View
- Trips >
- Trip Destination >
- Blog >
- Blog Category >
- Users >
- Show All



ratul794@gmail.com
Admin

Users

#	UserName	Email	First Name	Last Name	Phone	Image	Created At	Action
1	shahrin067	sahmed123067@bscse.uiu.ac.bd	Shahrin	Ahmed	01918399118		26.01.2019	Delete
2	shahrin123	shahrin123@gmail.com	shahrin	123	01918399118		26.01.2019	Delete
3	Tahmid	asteng2020@gmail.com	Anaf	Shahriar	01708941400		23.01.2019	Delete
4	emdadvai	emim131160@cse.uiu.ac.bd	Emdadul Haque	MIM	01863851653		23.01.2019	Delete
5	farzana21	farzanagisan@gmail.com	Farzana	Gisan	01670878943		17.01.2019	Delete
6	anaf	shahriar79@outlook.com	Anaf	shahriar	01740941400		12.01.2019	Delete

Figure 3.11: All user page



Travelers of BD

NAVIGATION

- Dashboard
- User View
- Trips >
- Trip Destination >
- Blog >
- Show All
- Add New
- Blog Category >
- Users >



ratul794@gmail.com
Admin

Blogs

#	Title	Date	User	Action
1	দিব্যক জয়ন্তন্ত, নগাঁও	26.01.2019	emdadvai	Details edit Delete
2	শিমলা ভ্রমণ	26.01.2019	emdadvai	Details edit Delete
3	খুইসাপাড়া, বান্দরবান	26.01.2019	emdadvai	Details edit Delete
4	DHAKA TO SIKIM (India)	26.01.2019	emdadvai	Details edit Delete
5	মেঘালয় ভ্রমণের আদ্যোপান্ত	26.01.2019	emdadvai	Details edit Delete
6	The 10 Most Beautiful Towns In Bangladesh	26.01.2019	ratul	Details edit Delete
7	Magical beauty of Cox's Bazar	26.01.2019	ratul	Details edit Delete
8	The waterfalls and fountains of Bangladesh	26.01.2019	ratul	Details edit Delete

Figure 3.12: Blog page



Travelersofbd

NAVIGATION

- Dashboard
- User View
- Trips
- Trip Destination
- Blog
 - Show All
 - Add New
- Blog Category
- Users


ratul794@gmail.com
Admin

Title*

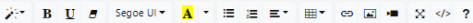
Blog Image

Choose File No file chosen

Post Short Description*

Short Description

Post Description*



Full Description

Create Blog

2018 © Travelersofbd

About
Support
Contact Us

Figure 3.13: Add Blog page



Travelersofbd

NAVIGATION

- Dashboard
- User View
- Trips
- Trip Destination
- Blog
 - Show All
 - Add New
- Blog Category
- Users


ratul794@gmail.com
Admin

Blog Categories

#	Categories	Description	image	Action
1	Trip in India	দেশের বাইরের ভ্রমণ কাহিনী		edit Delete
2	Personal Experience	Tell what you Experienced		edit Delete
3	hiking	enjoy fresh air and the beauty of the nature		edit Delete
4	adventure	rare adventuresome, venturous.		edit Delete

Figure 3.14: Blog Category page

Travelersofbd

NAVIGATION

- Dashboard
- User View
- Trips
- Trip Destination
- Blog
- Blog Category
 - Show All
 - Add New
- Users

Add Blog Categories

Category

Enter Category Name

Category Description

Enter Category Description

Category Image (360*220)

Choose File No file chosen

submit

ratul794@gmail.com
Admin

Figure 3.15: Add Blog Category page

Travelersofbd

Sign In

Enter your email address and password to access admin panel.

Email address

Enter your email

Password

Enter your password

☐ Remember Me

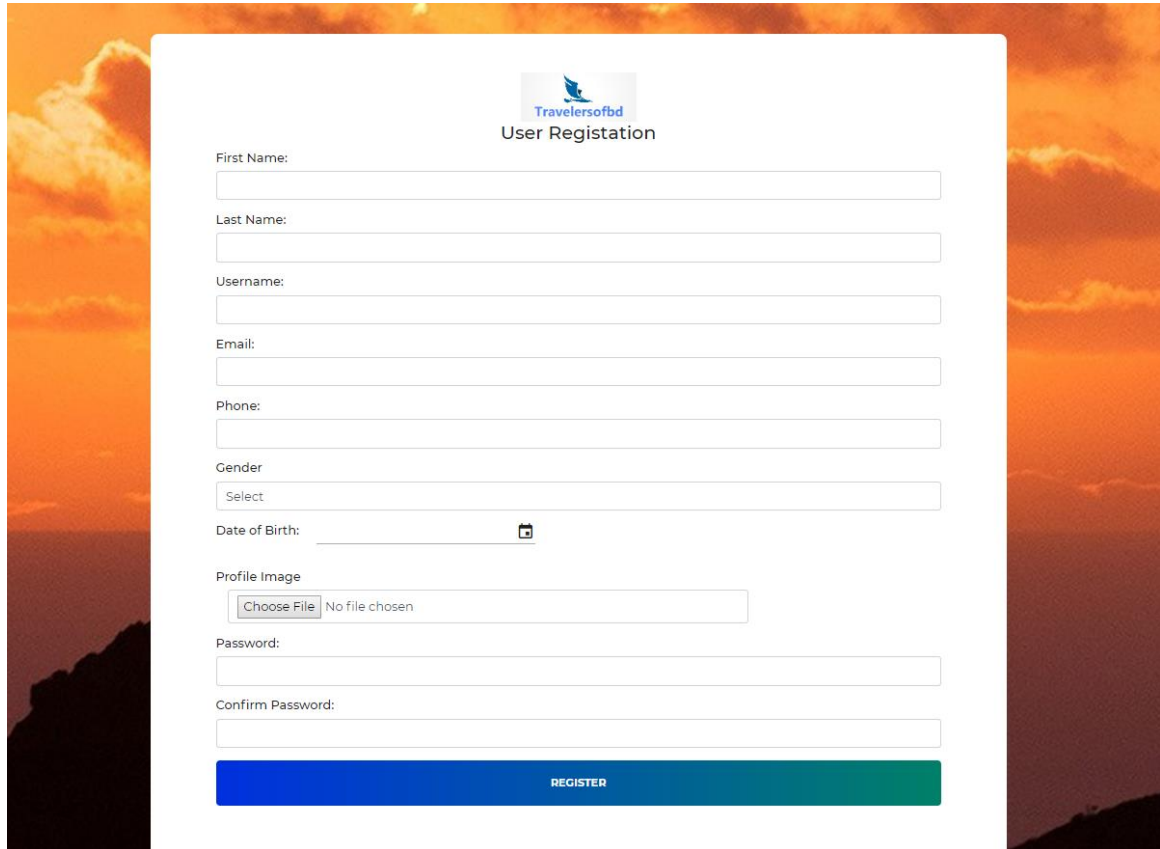
[Forgot Your Password?](#) [Login](#)

Don't have an account? [Register](#)

Figure 3.16: Admin Login page

User perspective:

[Figure 3.19] This is our system's User Register and login page. Initially a user can login here if the user is not register then he/she need to register first.



The registration form is titled "User Registration" and features the "Travelers of bd" logo. It includes input fields for First Name, Last Name, Username, Email, Phone, Gender (a dropdown menu), and Date of Birth (with a calendar icon). There is also a "Profile Image" section with a "Choose File" button and a "No file chosen" message. Password fields for Password and Confirm Password are provided. A blue "REGISTER" button is at the bottom.

Travelers of bd
User Registration

First Name:

Last Name:

Username:

Email:

Phone:

Gender:

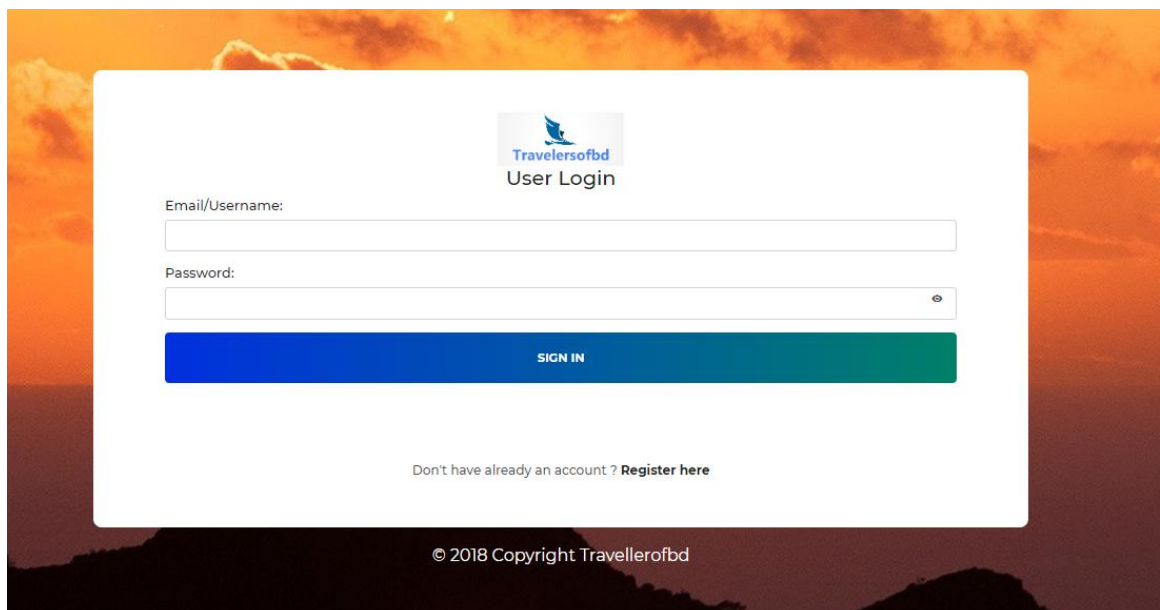
Date of Birth: 

Profile Image
 No file chosen

Password:

Confirm Password:

Figure 3.17: Register Page



The login form is titled "User Login" and features the "Travelers of bd" logo. It includes input fields for Email/Username and Password (with an eye icon for toggling visibility). A blue "SIGN IN" button is at the bottom. Below the button, there is a link "Don't have already an account ? Register here". The footer shows "© 2018 Copyright Traveller of bd".

Travelers of bd
User Login

Email/Username:

Password: 

Don't have already an account ? [Register here](#)

© 2018 Copyright Traveller of bd

Figure 3.18: Login Page

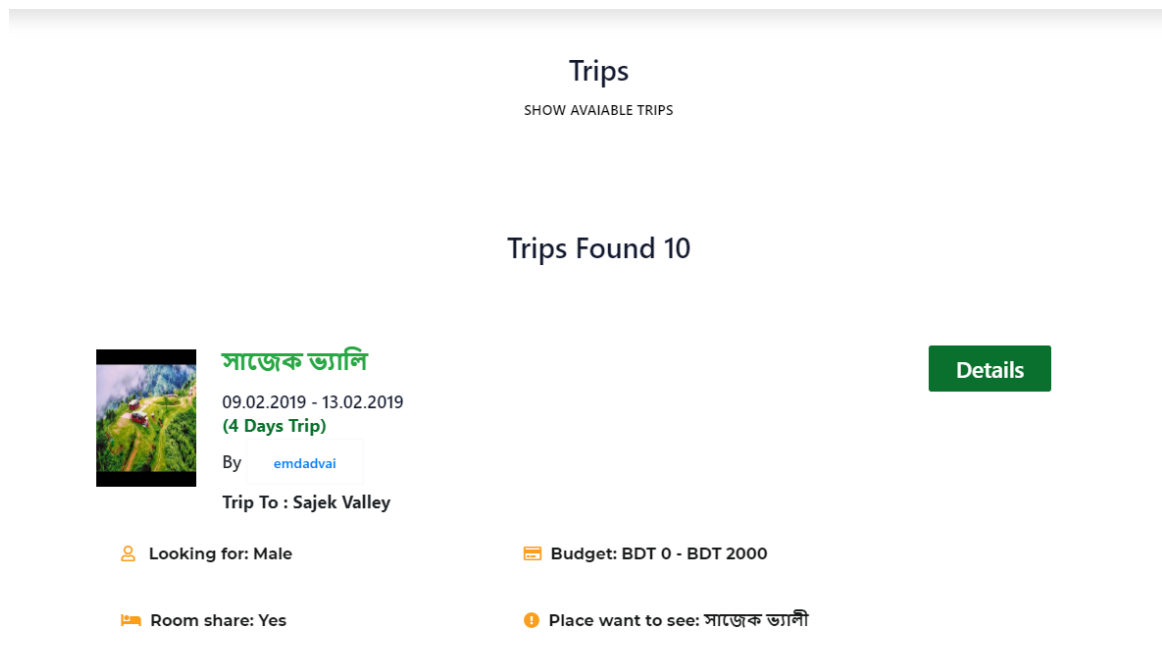


Figure 3.19: Trips Page

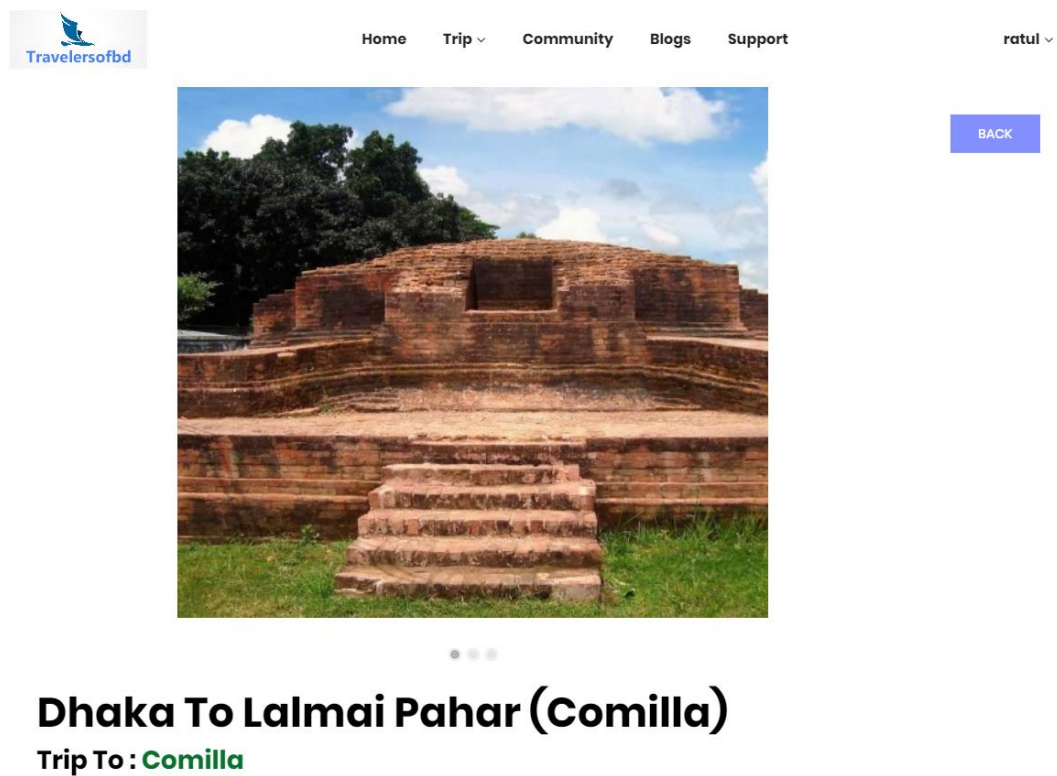


Figure 3.20: Trip Detail Page

Dhaka To Lalmai Pahar (Comilla)

Trip To : **Comilla**

06.02.2019 – 07.02.2019 (1 Days Trip)

By **emdadvai**

nearly in comilla cantonment.

👤 Looking for: **Any**

💰 Budget: **BDT 0 – BDT 2000**

🏠 Room share: **Yes**

🚗 Type of Journey :

🏠 First Time visit: **Yes**

🏠 accomodation : **Other**

📅 Itinerary: **Fixed**

🎯 Things Want to do : **ঘুরাঘুরি**

👤 Work & Travel: **Yes**

👤 Member Needed: **4**

🏠 place want to see : **লালমাই পাহাড়, বার্ড কুমিল্লা, ডিচার্স ট্রেনিং কলেজ।**

📅 Meeting Before Trip : **1**

Contact No : **emim131160@cse.uiu.ac.bd**

Figure 3.21: Trip Detail Page

Total Comment (0)

Write your comment

Write your comment...

Comment

Related Trips



সাজেক ভ্যালি
By emdadvai
BDT 0 – BDT 2000
09.02.2019 -- 13.02.2019(4 Days Trip)



আমিয়ামুখ, থানচি
By emdadvai
BDT 2000 – BDT 3500
31.01.2019 -- 03.02.2019(3 Days Trip)



coxs bazar
By ratul
BDT 8000 – BDT 9000
28.01.2019 -- 07.02.2019(10 Days Trip)

Figure 3.22: Trip Detail Page



[Home](#) [Trip](#) [Community](#) [Blogs](#) [Support](#) [ratul](#)



Find the Trips Of your Choice

[Find the Trips Of your Choice](#)

Destination:
Select Place For Destination

From Date:

To Date:

Price Range
Select

Find

Figure 3.23: Search trip



[Home](#) [Trip](#) [Community](#) [Blogs](#) [Support](#) [ratul](#)

Community

**ratul**

**Tahmid**
January 27, 2019 22:24 PM
I want to know more

**ratul**

**emdaadvai**
January 27, 2019 22:14 PM
I want to know some information

Figure 3.24: Community Page

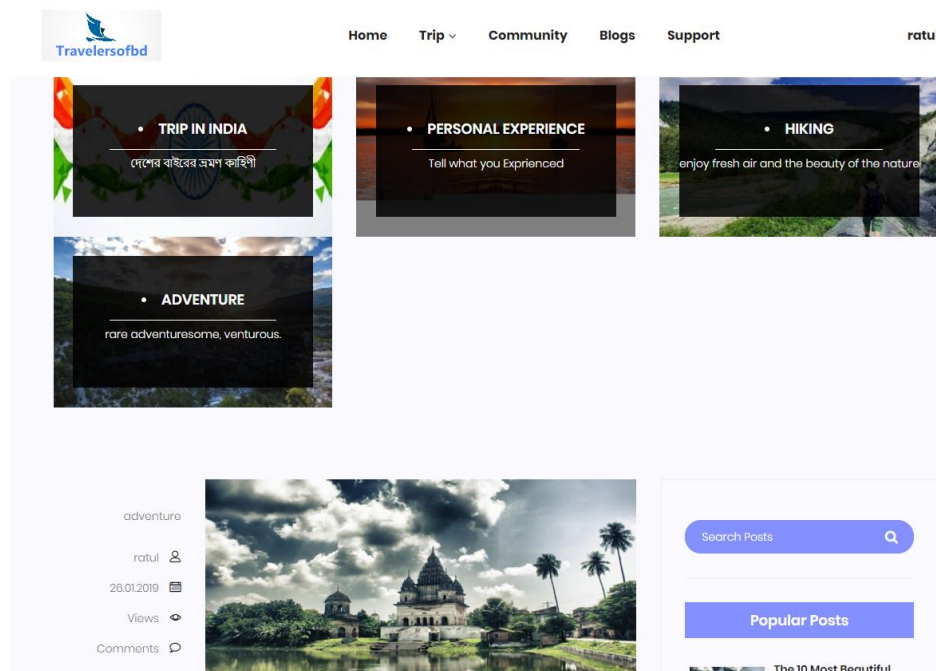


Figure 3.24: Blog Page

Create Trip

*Required fields

Trip Title*

Destination*

From Date*

To Date*

Trip Contact*

Budget*

Member needed*

Figure 3.24: Create Trip Page

3.6 Testing

3.6.1 Introduction

Software testing is a process, to evaluate the functionality of a software application with an intent to find whether the developed software met the specified requirements or not and to identify the defects to ensure that the product is defect free in order to produce the quality product.

According to ANSI/IEEE 1059 standard – A process of analyzing a software item to detect the differences between existing and required conditions (i.e., defects) and to evaluate the features of the software item

3.6.2 Objectives of Testing

Software Testing has different goals and objectives. The major objectives of Software testing are as follows:

- ❖ Finding defects which may get created by the programmer while developing the software.
- ❖ Gaining confidence in and providing information about the level of quality.
- ❖ To prevent defects.
- ❖ To make sure that the end result meets the business and user requirements.
- ❖ To ensure that it satisfies the BRS that is Business Requirement Specification and SRS that is System Requirement Specifications.
- ❖ To gain the confidence of the customers by providing them a quality product.

Software testing helps in finalizing the software application or product against business and user requirements. It is very important to have good test coverage in order to test the software application completely and make it sure that it's performing well and as per the specifications.

3.6.3 Test Level

- ❖ Unit Testing
- ❖ Integration Testing
- ❖ System Testing
- ❖ Acceptance Testing

3.6.3.1 Unit Test

Unit Testing is done to check whether the individual modules of the source code are working properly. i.e. testing each and every unit of the application separately by the developer in developer's environment. It is AKA Module Testing or Component Testing.

3.6.3.2 Integration Testing

Integration Testing is the process of testing the connectivity or data transfer between the couple of unit tested modules. It is AKA I&T Testing or String Testing

It is sub divided into Top Down Approach, Bottom Up Approach and Sandwich Approach (Combination of Top Down and Bottom Up). This process is carried out by using dummy programs called Stubs and Drivers. Stubs and Drivers do not implement the entire programming logic of the software module but just simulate data communication with the calling module.

3.6.3.3 System Test

It's a black box testing. Testing the fully integrated application this is also called as end to end scenario testing. To ensure that the software works in all intended target systems. Verify thorough testing of every input in the application to check for desired outputs. Testing of the user's experience with the application.

3.6.3.4 Acceptance Test

To obtain customer sign-off so that software can be delivered and payments received.

Types of Acceptance Testing are Alpha, Beta & Gamma Testing.

Alpha Testing:

Alpha testing is mostly like performing usability testing which is done by the in-house developers who developed the software. Sometimes this alpha testing is done by client or outsiders with the presence of developers or testers.

Beta Testing:

Beta testing is done by limited number of end users before delivery, the change request would be fixed if the user gives feedback or reports defect.

Gamma Testing:

Gamma testing is done when the software is ready for release with specified requirements; this testing is done directly by skipping all the in-house testing activities.

Chapter 4

Conclusion

4.1 Summary

Travelersofbd was designed in such a way that future modifications can be done easily.

The following conclusions can be deduced from the development of the project.

- Automation of the entire system improves the efficiency.
- It provides a friendly graphical user interface which proves to be better.
- It gives appropriate access to the authorized users depending on their permissions.
- It effectively overcomes the delay in communications.
- Updating of information becomes so easier.
- System security, data security and reliability are the striking features.
- The System has adequate scope for modification in future if it is necessary.

4.2 Limitations

Due to time constraint, the project that is developed covers only the aspect of User trips for Bangladesh local area. Does not have foreign trip and Offer from this website.

4.3 Future Work

Due to the time constrains, we were not able to meet the whole development process for this project. Some of our future steps on this project are as follows

- Create a mobile application with all of our system features.
- Officially launch our application for all users.
- We set our database in the cloud.
- Identify User from voter id card.

References

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- [6] <https://www.softwaretestingmaterial.com> (Testing)
- [7] <http://tryqa.com> (Testing)