

DESIGN AND DEVELOPMENT OF ONLINE TOURISM IN BANGLADESH
BY

Tanmoy Bhowmik

ID: 151-15-4983

AND

Debdash Mohanto

ID: 151-15-5229

AND

Md. Mahbubur Rahman

ID: 151-15-5431

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

Supervised By

Ms. Fahmida Afrin

Lecturer

Department of CSE

Daffodil International University

Co-Supervised By

Md. Sazzadur Rahman

Lecturer

Department of CSE

Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY
DHAKA, BANGLADESH
DECEMBER 2018

APPROVAL

This Project titled "**Design and Development Of Online Tourism in Bangladesh**", submitted by **TANMOY BHOWMIK**, ID No: **151-15-4983** and **DEBDASH MAHONTO**, ID No: **151-15-5229** and **MD. MAHBUBUR RAHMAN**, ID No: **151-15-5431** to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 12 December 2018.

BOARD OF EXAMINERS

Dr. Syed Akhter Hossain
Professor and Head

Chairman

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Narayan Ranjan Chakraborty
Assistant Professor

Internal Examiner

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Md. Tarek Habib
Assistant Professor

Internal Examiner

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Dr. Mohammad Sharif Uddin
Professor

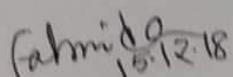
External Examiner

Department of Computer Science and Engineering
Jahangirnagar University

DECLARATION

We hereby declare that, this project has been done by us under the convoy of **Ms Fahmida Afrin, Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:



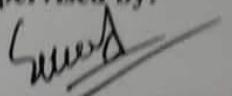
Ms. Fahmida Afrin

Lecturer

Department of CSE

Daffodil International University

Co- Supervised by:



Md. Sazzadur Rahman

Lecturer

Department of CSE

Daffodil International University

Submitted by:

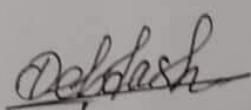


Tanmoy Bhowmik

ID: 151-15-4983

Department of CSE

Daffodil International University

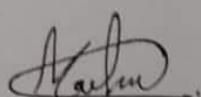


Debdash Mohanto

ID: 151-15-5229

Department of CSE

Daffodil International University



Md. Mahbubur Rahman

ID: 151-15-5431

Department of CSE

Daffodil International University

ACKNOWLEDGEMENT

First we express our heartiest thanks and gratefulness to almighty God for His heavenly blessing makes us possible to complete this project successfully.

We really grateful and hope our profound our indebtedness to **Ms. Fahmida Afrin, Lecturer**, Department of CSE Daffodil International University, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of web application to carry out this project. Her endless patience, scholarly guidance, continual encouragement, constant and energetic supervision, constructive criticism, valuable advice, reading many inferior draft and correcting them at all stage have made it possible to complete this project.

We would like to express our heartiest gratefulness to **Professor Dr. Syed Akhter Hossain**, Head, Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University.

We would like to thank our entire course peer in Daffodil International University, who took part in this discuss while completing the course work.

Finally, we must acknowledge with due respect the constant support and patients of our parents.

ABSTRACT

This project is based on tourism sector. This is a kind of web system which help the tourists find their wished for visiting places and places of circumstance as well. The goal of the system is mainly to help the tourism sector of local tourists and foreigner tourists. The site is guided to tours and travel management system and the aim was to pursue Tour and Travel packages. We provide the most suitably schematic as well as the customized travel packages to the customers. We payoff everything related to travelling services under one roofing. The tourists can use this site for different purposes like searching a location, nearby locations getting basic textual information, pictorial information of location which normally we could not find in default Google maps. The main problem is tourist cannot get a proper idea with some static information. The website covers all the areas needful for an including tourism. The main module in this project are login, tourist management, reviews, packages, booking bus tickets and online chatting system. After embodiment it would be hosted in a server. All facilities in a live website can't be given in localhost but most of the ardor will work fine. To upload the website a web server with essential security is needed. After implementation of all function, the system is tested in different stages and it works successfully as a prototype.

TABLE OF CONTENTS

CONTENTS	PAGE
Board of examiners	i
Declaration	ii
Acknowledgements	iii
Abstract	iv
List of figures	vii
List of tables	viii
 CHAPTER	
CHAPTER 1: INTRODUCTION	1-3
1.1 Introduction	1
1.2 Motivation	1
1.3 Objectives	2
1.4 Expected Outcome	2
1.5 Report Layout	2-3
CHAPTER 2: BACKGROUND	4-8
2.1 Intoduction	4
2.2 Related Works	4-6
2.3 Comparative Studies	6-7
2.4 Scope of the Problem	7-8
2.5 Challenges	8
CHAPTER 3: REQUIREMENT SPECIFICATION	9-14
3.1 Business Process Modeling	9
3.2 Requirement Collection and Analysis	10
3.3 Use Case Modeling and Description	10-12
3.4 Logical Data Model	13
3.5 Design Requirements	14

CHAPTER 4: DESIGN SPECIFICATION	15-19
4.1 Front-end Design	15-17
4.2 Back-end Design	17
4.3 Interaction Design and UX	17-19
4.4 Implementation Requirements	19
CHAPTER 5: IMPLEMENTATION AND TESTING	20-30
5.1 Implementation of Database	20
5.2 Implementation of Front-end Design	21-27
5.3 Implementation of Interactions	27-28
5.4 Testing Implementation	28
5.5 Test Results and Reports	29-30
CHAPTER 6: CONCLUSION AND FUTURE SCOPE	31-32
6.1 Discussion and Conclusion	31
6.2 Scope for Further Developments	32
APPENDIX	33-34
Appendix A: Project Reflection	33
Appendix B: Related Diagram	33-34
REFERENCES	35

LIST OF FIGURES

FIGURES	PAGE
Figure 2.1: Bengaltours site user home page	5
Figure 2.2: tour.com.bd site user home page	5
Figure 2.3: Parjatan.gov.bd site user home page	6
Figure 3.1: Business process Model of OTB	9
Figure 3.2: Use case model and accepted system of OTB	11
Figure 3.3: Logical data model of OTB	13
Figure 4.1: Front-end design of OTB	15
Figure 4.2: User database of "Online tourism in Bangladesh"	17
Figure 4.3: UX Design of OTB	18
Figure 5.1: Database Processing System of OTB	20
Figure 5.2: "Online tourism in Bangladesh" user home page	21
Figure 5.3: "Online tourism in Bangladesh" login page	22
Figure 5.4: "Online tourism in Bangladesh" sign-up page	23
Figure 5.5: "Online tourism in Bangladesh" package page	24
Figure 5.6: "Online tourism in Bangladesh" admin page	24
Figure 5.7: "Online tourism in Bangladesh" ticket booking page	25
Figure 5.8: "Online tourism in Bangladesh" hotel reservation page	26
Figure 5.9: "Online tourism in Bangladesh" Blog page	27
Figure 5.10: "Online tourism in Bangladesh" contact us page	27
Figure B1: Database collection of OTB	33
Figure B2: PHP code for database connection	34
Figure B3: All images are on database	34

TABLES OF CONTENTS

TABLES	PAGE
Table 1: Comparasion between other sites and our site	7
Table 2: Use case description of Customer	12
Table 3: Use case description of Admin	12
Table 4: Test case for "Online tourism in Bangladesh"	29-30

CHAPTER 1

INTRODUCTION

1.2 Introduction

Bangladesh is a beautiful country. It has many tourist attractions which are unknown to foreigners. The motive that we design and develop this project is to take steps a tourist guide for Bangladesh to facilitate civil and international tourist. All we know that there are many tourism places in our country and that's make a lot of extent to make money. But in online system there is careless to represent our beautiful country. This system is mainly to help tourists who are bent to visit Bangladesh. Its seen that who are outside our country has slender knowledge of our country and the places to visit. As traditionary practice when a tourists plan to visits a place they have to bind professional tourist guides. There we have to spend goodly amount of money to get such services of a professional guide. It is expensive for most of the tourists. Tourism website have mainly focused on their business packages more than the places to visit.

The concept of this project is mainly to overcome the deficit of this situation.

1.2 Motivation

The tourism industry is now one of the largest segment earning foreign exchange. In the face of many favor, many countries have started assigning due heft age to the tourism industry in their national development agenda.

Three are other information or ticket booking, hotel booking that type of facilities. That's why we wanted to create a web site which can settle the demand of all travel lover people. This site take steps shortest path, information, forum this type of things. Which we can address by development of the system which will provide exact global positioning system (GPS), textual and pictorial information about the location.

Bangladesh tourism website except Bangladesh Parjatan Corporation have mainly focused on their business packages more than on the country.

Most of the times after appearing to a country or before, tourists don't know which places s/he should visit. This website will help them to make verdict which places are more allure.

1.3 Objectives

This application is developed to provide supreme travelling services to the customers. We have developed tours and travel management system to provide a search platform where a tourist can find their tour places similar to their choices.

This system also helps to honor responsible and interesting tourism so that people can enjoy their holidays at their fair places. This system also gives tours related information like which places are tourist attractions, cities, and provinces. Tourist can also get the Map and navigation system. Tourist can also book tours through our tours and travels management system.^[3] This system also keeps a history of visited places of its users. Most of the times after arriving to a country or before, tourists don't know which places s/he should visit. This website will help them to make decision which places are more attraction.

1.4 Expected Outcome

Online tourism guide has unique feature which is not present in the current tourism sites of Bangladesh. After visiting each of the places tourists can send their review in the website so that potential tourists can see the reviews and choose their desired places. It also earns foreign currencies to develop our country.

Successful transition towards sustainable tourism by strengthening partnership and capacities through the adoption and implementation of sustainable tourism programs, strategies and methods involving concerned sectors and stakeholders in our country.

After running this web site, feedbacks are as follows in a summarized form:

- Users(tourists) can make review to the visited places.
- User can search directly any content from the search panel.

1.5 Report Layout

In chapter 1 of the report we inaugurate our project tourism site and discussed about its introduction, motivation, objectives and also its expected outcome.

In chapter 2 of the report, we discuss about the background situation of our project. We also talk about the related work, the problem and challenges of the project and the comparison to many other websites.

In the chapter 3, we marked the requirement of the project. In this section we defined the data flow diagram use case, Logical Data, BPM and design requirements. We also discussed about the requirement collection and analysis process.

In the chapter 4, we specified the front end and the back end design of the project.

In the chapter 5, we blooming the implementation of the whole project and we tested the every section of the project is working as expected.

In the chapter 6, we discussed about conclusion and the scope for further development of the project.

At last of the report, we provide the related appendices and reference to ensure that the information in the report that must be correct.

CHAPTER 2

BACKGROUND

2.1 Introduction

Bangladesh is a beautiful country builds many tourist attractions. Bangladesh is full of natural beauty. Such as rivers, coast and beaches, antiquarian sites, religious places, hills, forest, waterfalls, tea garden etc. Bangladesh is one of the major tourist enchanting country in the worlds. So if we wanted to keep edgeways with the time we should develop some user friendly system. But in online system there is nonchalant to represent our beautiful country.^[2] Online Tourism In Bangladesh is an online tourism guide for Bangladesh. It is seen that most of the tourism sites in Bangladesh are help outs of various travel agencies. These travel agencies offer various tourism packages. For this reason they have focused mainly on their business packages.

The concept of this type of project is mainly to overcome the deficit of this situation. That is why there is a demand to quay the gap and use the online technology to let the foreigners see our beautiful country.

2.2 Related Works

In this segment, we discussed about some related online tourism guide which is available in the web sites.

2.2.1 Bengaltours.com

This tourist site guide helps people to know about our beautiful Bangladesh and its also know about some others countries nature. People find here stable information of significant tourist places. Here's many bundle packages to tour other countries. In figure 2.1 we showed the user home page screenshot of the site Bengaltours.

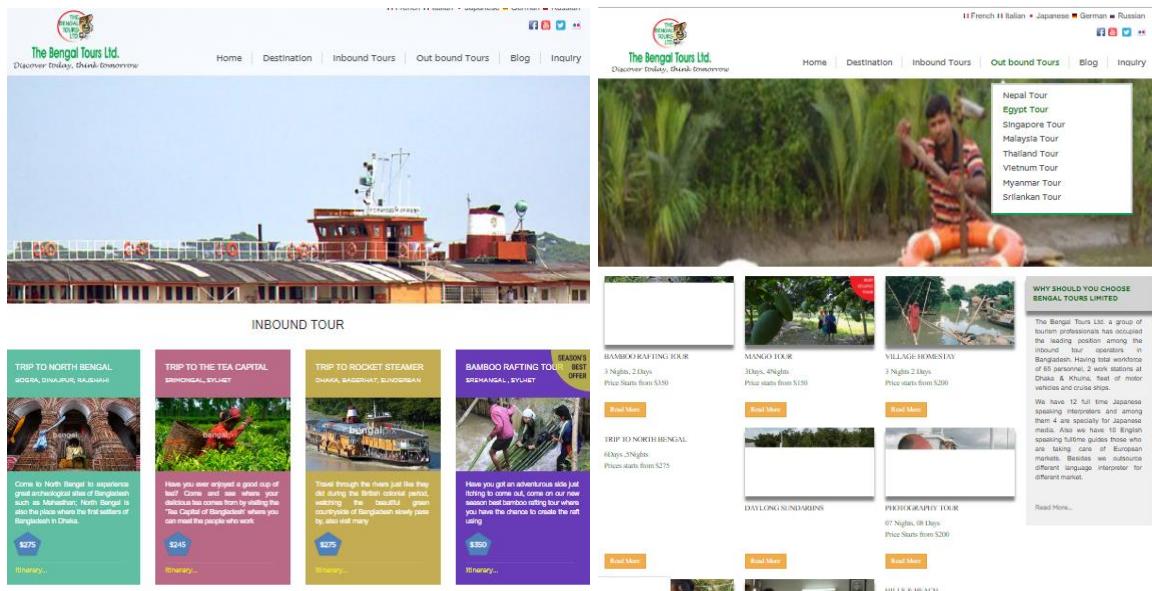


Figure 2.1: Bengaltours site user home page.

2.2.2 tour.com.bd

This is the top list site of tourism guide for BD. Its search by bd districts and also international tourist sites and also booking hotels. This online site also which take steps information about tourist places. In figure 2.2 we showed the user home page screenshot of the site tour.com.bd.

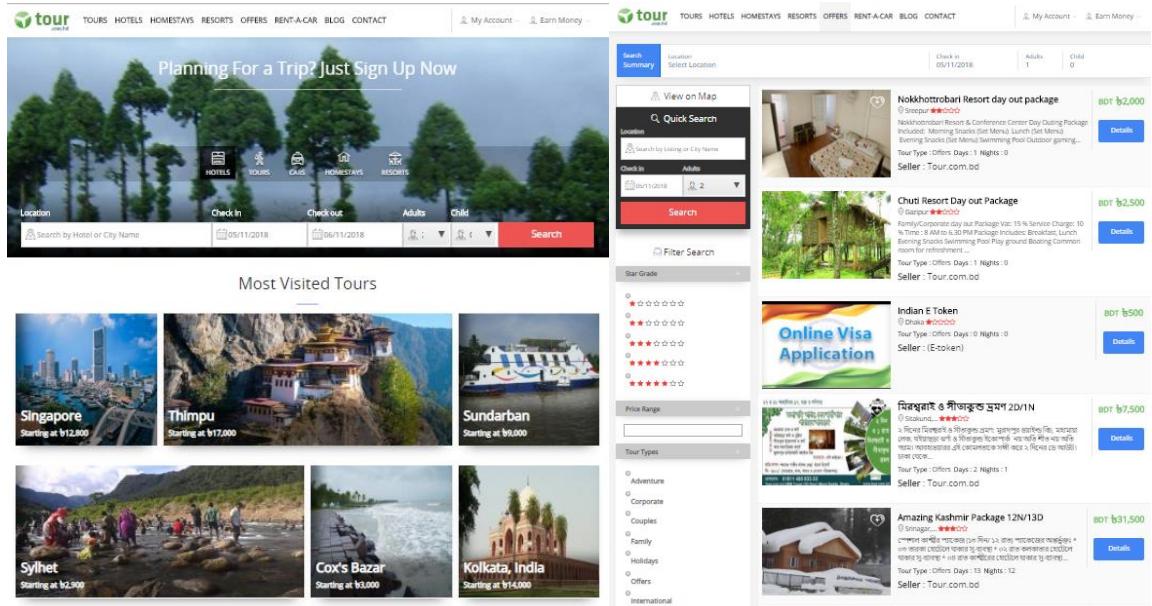


Figure 2.2: tour.com.bd site user home page.

2.2.3 Parjatan.gov.bd

This is the only travel guide of Bangladesh to operate the government. People can search by all districts and all types. There are also hotel booking and stable information about tourist places. Figure 2.3 shows Parjatan.gov.bd tourist site user home page.^[1]

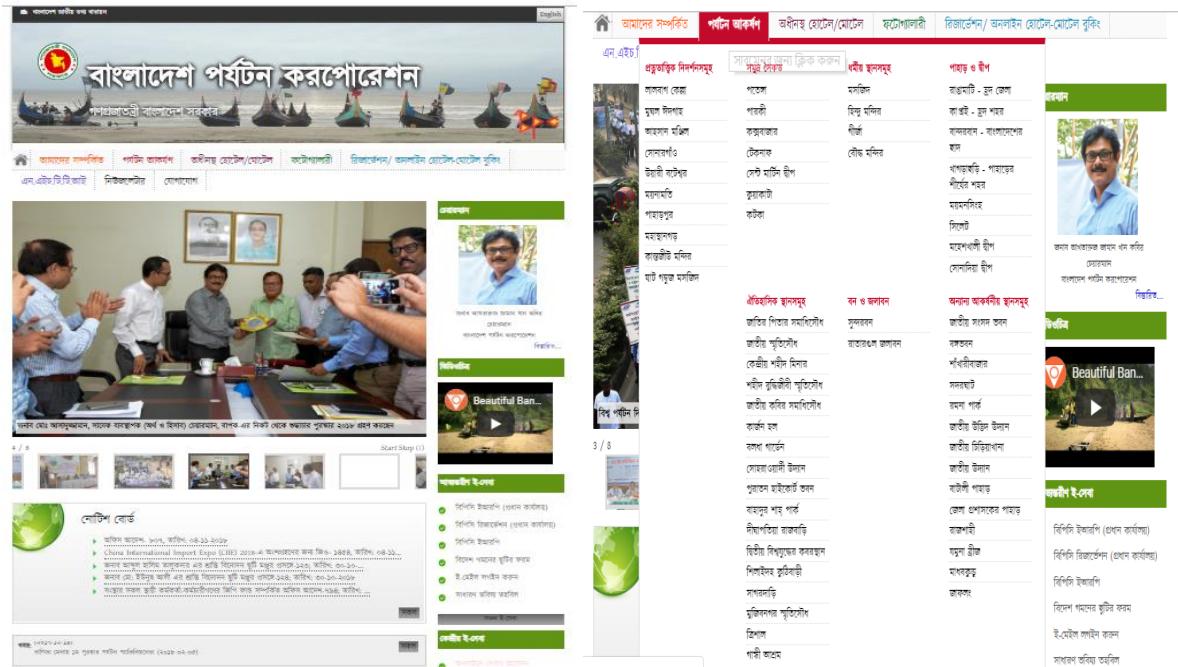


Figure 2.3: Parjatan.gov.bd site user home page.

2.3 Comparative Studies

The comparative analysis will help to understand why the system is built where this type of system is already present in online.

In the next discussion it would be clear what the deficits are in these types of online systems in our country.

In the analysis it is seen that most of the tourism sites of our country available in online are based on travel agency. That's why they only give importance on their travel packages.

Based on the research a table is created to show the various aspects of our tourism sites. The table is as follows:

Table:1 Comparasion between other sites and our site

User registration	bengaltours.com	tour.com.bd	Parjatan.gov.bd	Tourism in Bangladesh
User review system	No	Yes	Not needed	Yes
Travel Agency?	Not present	Yes	No	No
Hotel information	Not present	Yes	Present-only hotels of parjatan corporation	Yes
Categorized?	Yes	Yes	Yes	Yes
Tourism statistics	Not present	Present	Present	Not present
New tourist attraction	Not present	Yes	No	Yes

These are the three most familiar web systems along with the proposed system at last in the list which are taken to the comparison. The government site has their tourism statistics based on the number of tourists visited our country and foreign currency earned by it.

2.4 Scope of the Problem

First of all, this online tourism in Bangladesh user friendly and no more stable. This will help the usual people actually what they want. We discussed about the other online tourist guide that available in web site. They cannot accomplish the demand of a tourist.

We have many extents to improve and winsome the tourist site of our country. Our governments also effort to make digital Bangladesh. So I think this is the great scope to develop something which is really helpful and favorable for all.

This site is hardend. When anyone post/chat mange in the forum their post/chat and all information will be hardend.

Also, this project was risen on the time scheduling, my online reaction system targets and features in our website. Faithful time schedule applying in so much difficult. But that actually took more time to completed each tasks for many situation. At last I did complete my project not with time but with goals.

My project target was to stand a web design and development that contains some feature and some process.

2.5 Challenges

When you want to do something new then expressly you have to jaws some challenges and obstruction. So our project has some challenges too. The main reason in this project is tourist. As like Bangladesh is a developing country, our tourism site has many things to raise. To allow search at various places to give the circumstance information at the same time through the reaction system as online, through careful planning. People faces many obstruction when they make a plan. Hotels, Resorts, transport these are the common problem .And one most important thing that our project online based tourism guide. So internet has not available everywhere. Main challenge is to make people interest about travelling.

As Bangladesh has much extent because of her natural beauty and possessing. We just have to improve these resources properly.

Bangladesh has natural beauty, manpower everything. We only just voluntary people through travelling. And as opposed to all of us devoted with social media so it will stubborn to take place some times for it. All those things might be challenging for us.

Maintaining time cadastre was the difficult challenge because it was the main thing in which my project will be completed. So I just partition my time to complete each one of the ought to complete the whole project.

A project sometimes stare skills that by the project's go on. A developer designates the needed skills to doing the project to complete it.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

Business process modeling is a field of knowledge at the intersection between management and information technology encompassing method, techniques and tool to design, control, enact and analyze.

E-strategy, e-planning and e-management for all sector of the tourism industry, including tourism, transport, travel, intermediaries and public sector organization.

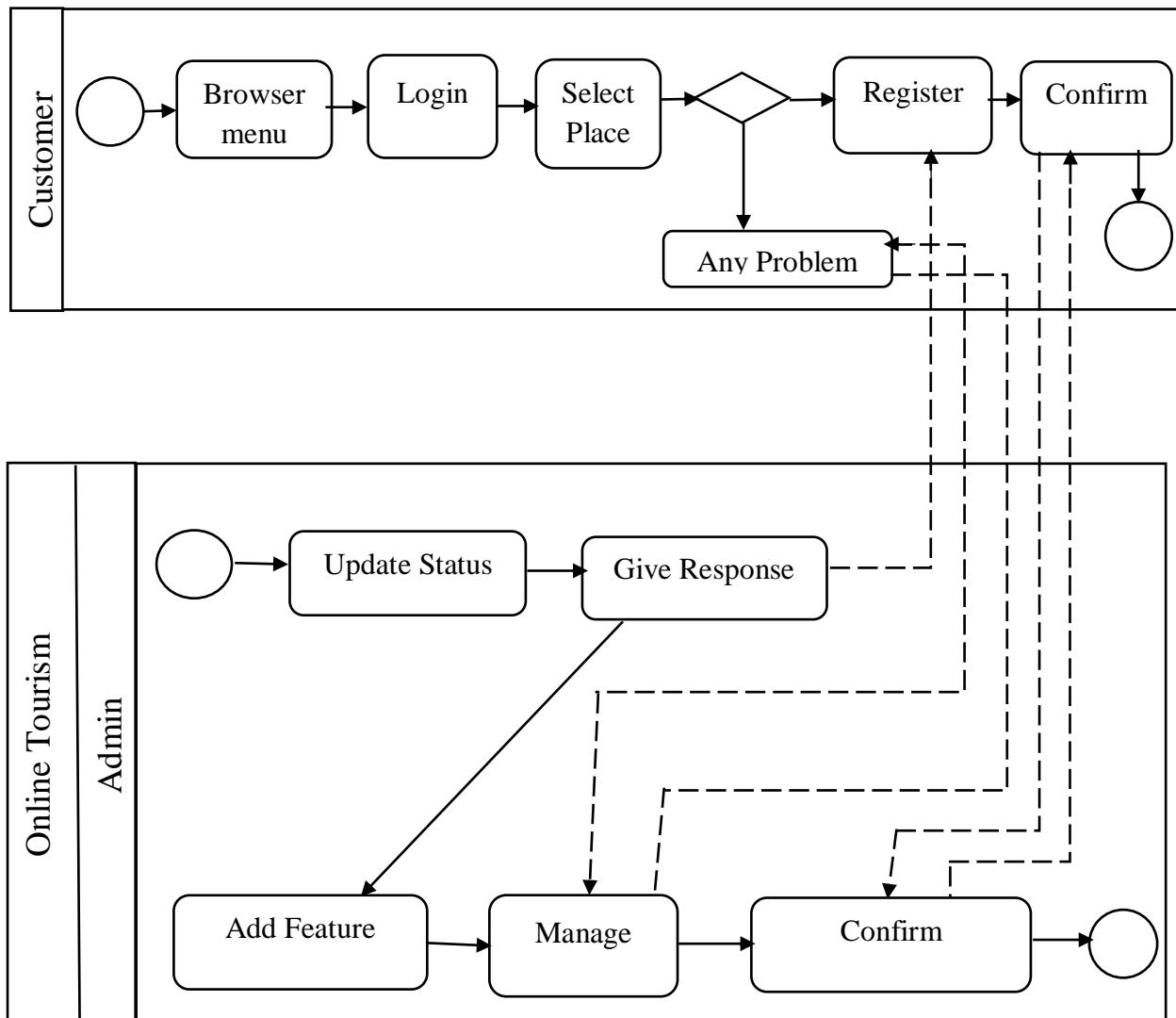


Figure 3.1: Business process Model of OTB.

3.2 Requirement Collection and Analysis

The component is about information content published on website. Tourism website should publish useful update and clear information about tourism and service by using photo and text. The information involve destination attraction, hotel, transportation and tour. The component is associate information provision. Associated information include local map, news and culture environment that are very helpful for user to make a tourism plan. The tourism website should have enough link to relevant website which provide online information service for travelling, living, wandering and joying. It should be encouraged for web designer to build more link with relevant website and more package that integrate a group of relevant services together. Online tourism service is a new experience for most tourism manager end user and customers in China. The technology is new tourism manager cannot clearly define their expectation tourism companies have not got enough feedback from customer and their experience. Therefore website developer have to lead the process of defining the requirement of tourism web customer and users. The provided component are expected to help them in the development of tourism website.

3.3 Use Case Model and Description

This sample represent the admin use cases and dependencies between them and also the relationship between use cases. There are used dependency and use case generalization association on this use cases diagram. Use case generalization is used when we have two similar use cases but one of them does more than another. This sample show the work of the financial trade sphere and can be used by trading companies, commercial organization trader different exchange.

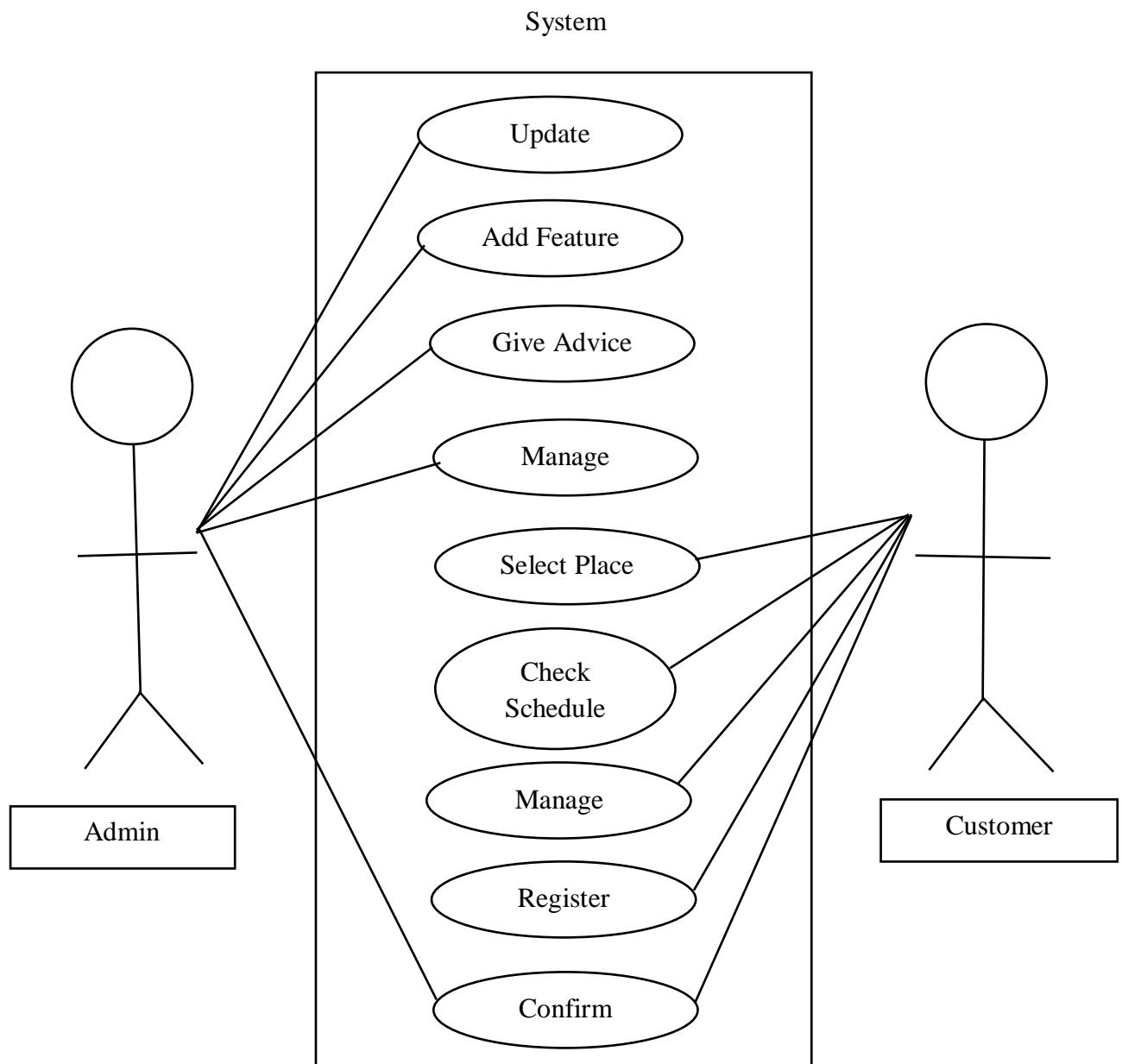


Figure 3.2: Use case model and accepted system of OTB.

Description:

Use Case for Customer

In the customer module is prepared for the customers are the choice online tourism system. The admin always maintain this system. The customer get their email and password for the register for login system. When the customers get their login information in register and admin see the all information. The customers can see the admin profile, work field etc.

Table 2: Use case description of Customer

Use case name:	Customer
Actor:	Admin
Pre-condition:	None
Primary path:	Customer ID Customer e-mail “Login” Button
Exceptional Path:	Invalid e-mail

Use Case for Admin

Admin maintain has all online tourism systems. In login the page, the admin sees the customers profile details. In the page admin get notification from the customers. Admin give update news in this page and all time give feedback his customers.

Table 3: Use case description of Admin

Use case name:	Admin
Actor:	Admin, Customer
Pre-condition:	None
Primary Path:	Admin ID Admin e-mail “Login” Button
Exceptional path:	1. Admin ID is invalid 2. Admin e-mail is invalid

Use Case Description

It contains information about full part of the Use case Model shown in the picture. We have already described about every use case through a table and picture in the above section.

3.4 Logical Data Model

The logical data model design principle of multi-dimensional modelling is the separation of fact and dimension. Facts on the one hand are single information pieces which are looked at from different perspective during analysis and correspond to the indicators. Dimension on the other hand are the perspective for looking at the fact. Typically several dimension are linked to one fact table a fact together with its dimension can be visualized as a star schema.

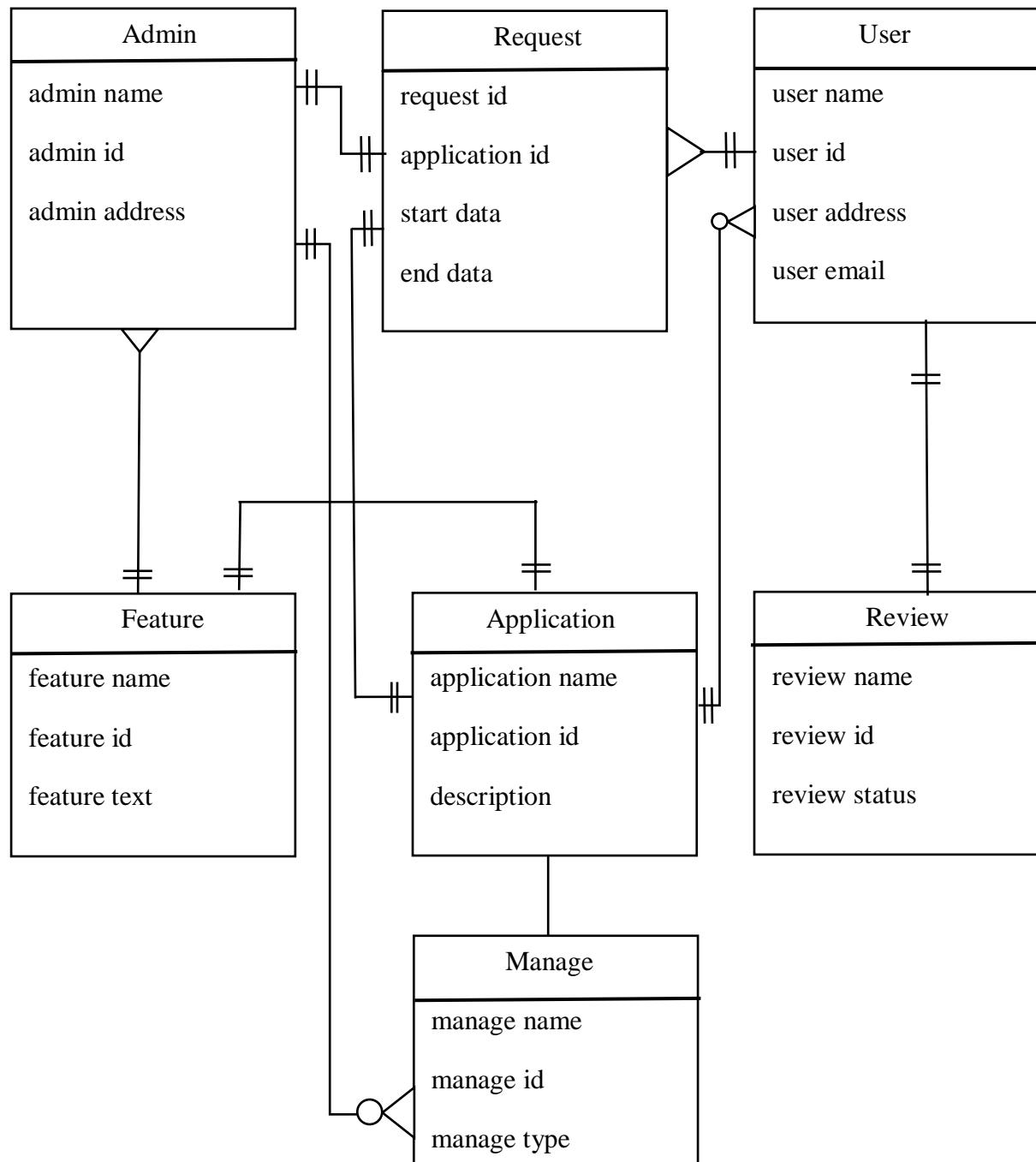


Figure 3.3: Logical data model of OTB.

3.5 Design Requirement

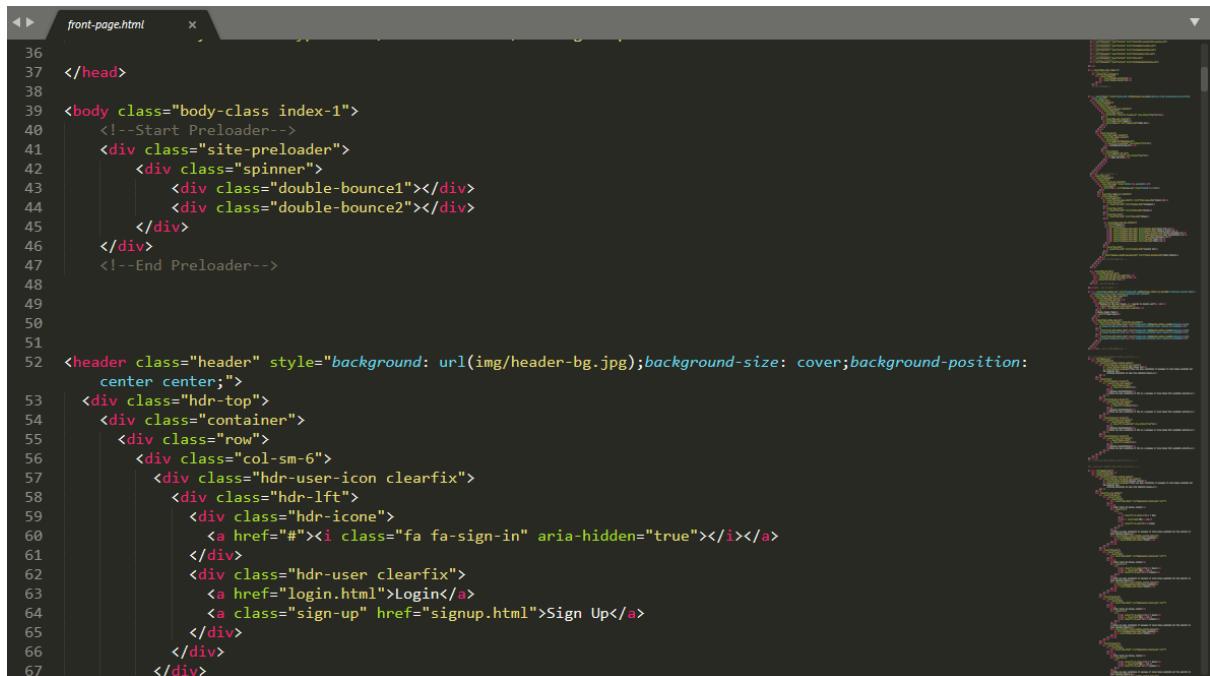
A successful website is one that attracts users to make user satisfactory design requirement. User satisfaction is based on two groups of evaluation criteria: information content and ease of use. The information content is the assessment of information provided on the website. That is useful and up-to-date if it matches user needs and links relevant sites to the users. Ease of use includes requirements such as facilitating browsing, search engine provision, access speed, and user control of a transaction process. Based on the two criteria and survey identifies a number of tourism website components. These components should be taken into account when designing for a tourism website.

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-End Design

Front end designer manages everything that users visually see first in their browser or application. Front end designer are liable for the look and feel of a site. Font-end Design is most important things for any kind Website. When we talk about web design, we mention the different process that make a website peaceable to the customer and the better business profit.^[6] Here we effort to keep our design as simple as possible and easy for user and they can use effortlessly, but the design tusk is not easy. For design this page we use different types of language such as HTML, CSS, JavaScript, OO PHP, Bootstrap etc. In this chapter we show our front-end Design as follows:



The screenshot shows a code editor window with the file 'front-page.html' open. The code is written in HTML and includes CSS styles. The code starts with the closing of the head tag (line 37) and begins the body tag (line 39). Inside the body tag, there is a comment for the start of a preloader (line 40), followed by the creation of a 'site-preloader' div (line 41) which contains a 'spinner' div with two nested 'double-bounce' divs (lines 42-44). The preloader section is closed with a div tag (line 45) and ends with a comment for the end of the preloader (line 47). The main content begins with a header tag (line 52) with a background image and center alignment. This is followed by a 'hdr-top' div (line 53), a 'container' div (line 54), and a 'row' div (line 55). Inside the row, there is a 'col-sm-6' div (line 56) containing an 'hdr-user-icon' div with a 'hdr-lft' class (line 57). This div contains an 'hdr-icon' div with a sign-in link (lines 58-61) and an 'hdr-user' div with a login link (lines 62-65). The entire row is enclosed in a 'clearfix' div (line 66). Finally, the entire header section is closed with a div tag (line 67).

```
36
37 </head>
38
39 <body class="body-class index-1">
40   <!--Start Preloader-->
41   <div class="site-preloader">
42     <div class="spinner">
43       <div class="double-bounce1"></div>
44       <div class="double-bounce2"></div>
45     </div>
46   </div>
47   <!--End Preloader-->
48
49
50
51
52 <header class="header" style="background: url(img/header-bg.jpg);background-size: cover;background-position: center center;">
53   <div class="hdr-top">
54     <div class="container">
55       <div class="row">
56         <div class="col-sm-6">
57           <div class="hdr-user-icon clearfix">
58             <div class="hdr-lft">
59               <div class="hdr-icon">
60                 <a href="#"><i class="fa fa-sign-in" aria-hidden="true"></i></a>
61               </div>
62             <div class="hdr-user clearfix">
63               <a href="login.html">Login</a>
64               <a class="sign-up" href="signup.html">Sign Up</a>
65             </div>
66           </div>
67         </div>
68       </div>
69     </div>
70   </header>
```

Figure 4.1: Front-end design of OTB.

4.1.1 HTML

HTML is the standard markup language for build Web pages. HTML for "Hyper Text Markup Language". Html code are very easy to understand and this is the basic part when anyone want to make about website. Here we used more html layout for written paragraph and photos and others work to do.^[5]

4.1.2 CSS

CSS for "Cascading Style Sheets", it use for design the page. CSS also style for others website build-up language like JavaScript, PHP, XHTML, plain XML, SVG etc. CSS have including layout, Color, fonts. CSS use for build-up pretty website.

4.1.3 JavaScript

JavaScript, often short as JS, is a high-level, explain programming language which is also as dynamic, prototype-based and multi-eidolon. Side by side HTML and CSS, JavaScript is one of the three core technologies of worldwide build-up website. JavaScript use for mainly to develop a great website. We used here JavaScript for map, slider, button and tab etc.

4.1.4 Object Oriented PHP

About OOP, it's based all about understanding classes and objects. I start to work with object oriented PHP after ending my template. Object-Oriented PHP is a type of programming language principle added to php5, which helps in making complex, reusable web applications. I try to use OOP PHP in my project to make my project easier and user matey.

4.1.5 Bootstrap

Bootstrap is the open source front-end framework for designing websites. It use HTML and CSS based design template like forms, buttons, navigation, slider and so many tools. In this website we use bootstrap for grid and others work.

4.1.6 Animation.CSS

Animation.css is for cascading style sheets that is used language for HTML and document element for CSS style. Using Animation in any website that make pretty good looking. We use animation here for build-up some grid and others things.

4.1.7 Font awesome

The world most popular and easiest to use icon that is font awesome and this icon make any website pretty. Here we use many font awesome like Facebook, food, bus, umbrella, ship and others icon. Font we use for writing good looking and there is different types of font in internet like italic and others and there is more than 1000 font in internet available.

4.2 Back-end Design

Back end designer alludes to the server side of an application and everything that communicates between the database and the browser. Back-end design part that are working on behind the project, but the user can't see this part. Back-end design is the stiff part for all programmer. So anything you can't see easily such as databases and servers is the work of a back end design. All code written by back-end developer. For better website build it is more difficult to handle beck end design part, because website material are very limited.

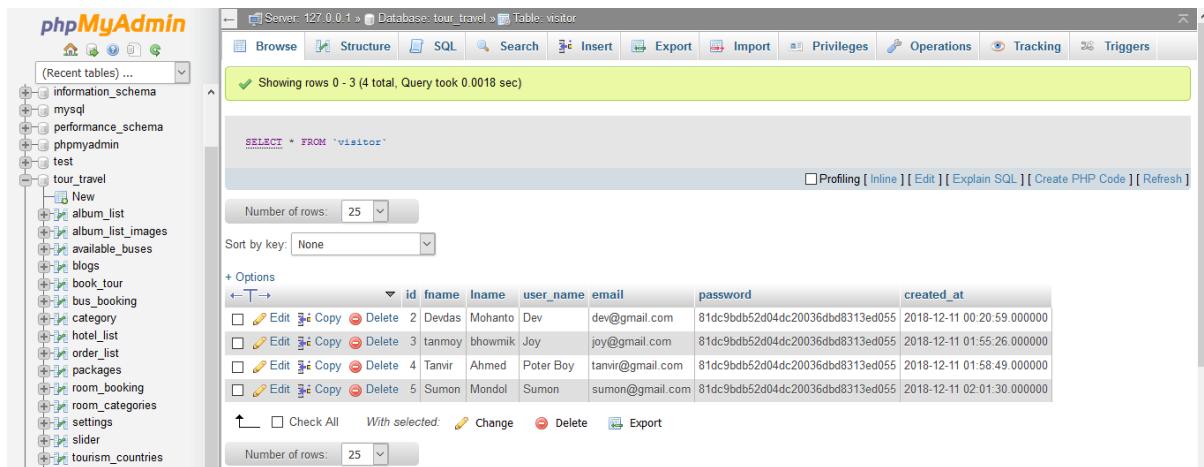


Figure 4.2: User database of "Online tourism in Bangladesh".

4.3 Interaction Design and UX

Interaction design is the exercise of designing interactive digital products, environments, systems, and services. Beyond the digital aspect, interaction design is also useful when forming physical (non-digital) products, pursuing how a user might interact with it.^[7]

User experience design (UX) is the process of enabling user satisfaction with a product by flourishing the usability, accessibility and pleasure provided in the interaction with the product.^[8]

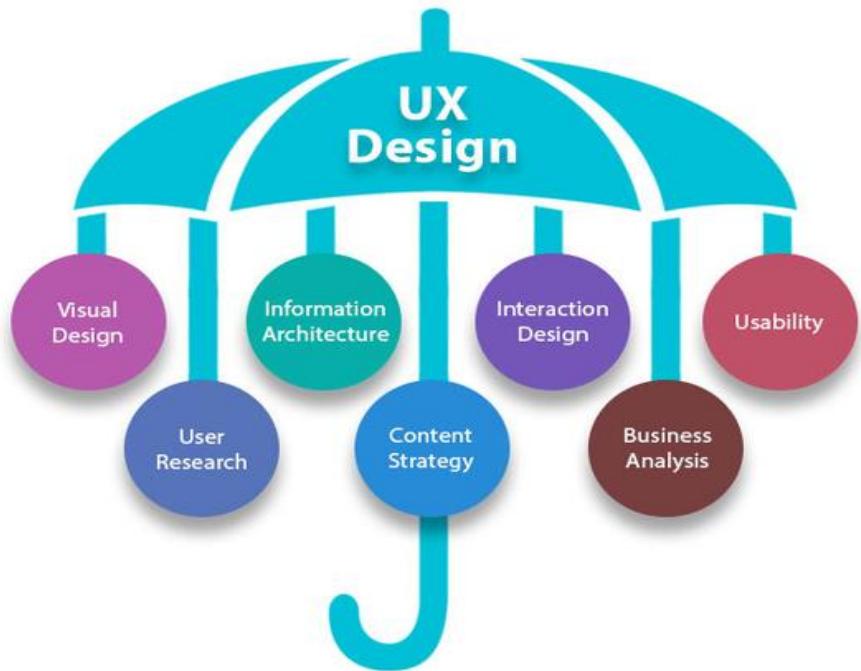


Figure 4.3: UX Design of OTB^[11].

4.3.1 Home page Interaction Design

A home page as the initial web page of a website. Its seeing to attract and appeal visitors. Home page should tell the visitors immediately if they have got to the right place. I designed a very winsome home page for my project. My homepage can visit anyone. No need to registration my system to visit my homepage. Here keep all features some animation, sliders and some layout property design. I design my homepage by using Bootstrap, HTML, CSS, jquery and OO PHP.

And the last part of my home page based on contact, information and feedback or emailing system to admin. And at last I use a simple footer of my web site.

4.3.2 Login page UX Design

Sign up is the last users want to do. So clearly defining the value ratio of filling out the form. I developed a Sign up form both of user and admin. For using my web ingress need to registration when users comment or booking the hotels. I design beautiful pop-up for registration and login form. That formations of Name, ID, Email, Password. The motive of using email and password making the site more secure. Login process makes session for user to access my every features update throw email.

4.4 Implementation Requirements

Implementation is the carriage out, execution or practice of a plan, a method or any design, idea, model, specification, standard or policy for doing something. As such implementation is the practice that must follow any inaugural thinking in order for something to indeed happen. The main concern was for our implementation was to make the options easier to ingress. The implementation Requirements was given us like a very theoretical idea.^[4]

The list of implementation requirements is Easy to handle, Easy to create, Easy to analysis, User-friendly, Originality and Dynamic pages.

We only affix few package and booking hotel information. We need more actuality and the process of view page. For implementing this we need completion of work that's the implement requirement. To implement our project we used various type of tools, components those aid us to blooming our project successfully.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database

The implementation term is where you install the DBMS on the requisite hardware, optimize the database and load the data. We also put in database security in this term and give the several users that we've identified access adequate to their requirements.^[9]

Database management system handles the requests generated from the SQL interface, producing or modifying data in response to these requests. This forms a multilevel processing system.

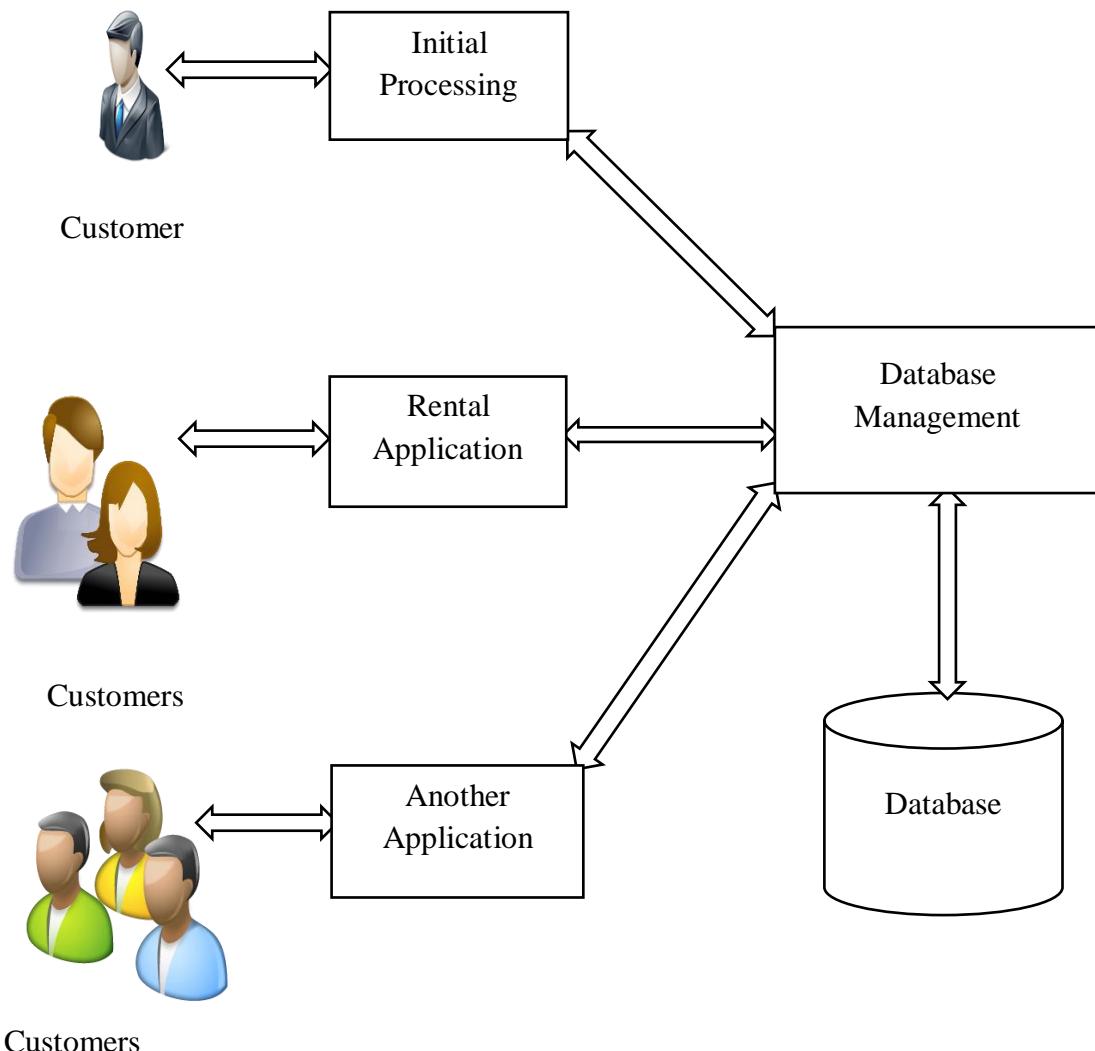


Figure 5.1: Database Processing System of OTB.

5.2 Implementation of Front-end Design

There are some Front-end Design and description are given below:

5.2.1 Home page

When user open this "Online tourism in Bangladesh" website first they can see this home page and from home page they can access our every page like they can Login page, sign up page and they can see the packages and booking the hotel easily and they can contact with us and see the pages and booking any kind of transports and others help.

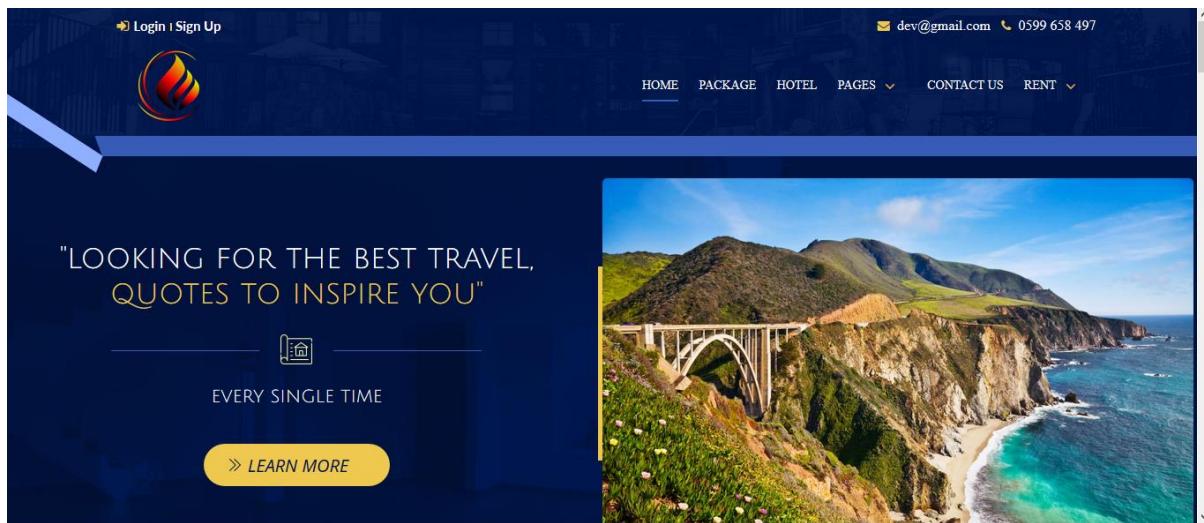


Figure 5.2: "Online tourism in Bangladesh" user home page.

5.2.2 Login page

There is three button in the login page and create "Email Id and Password" and we create "Remember Password and Forgot password He or She will login this page when only they sign up complete. And bellow we create two button that people can login with others social media Facebook and Google account.

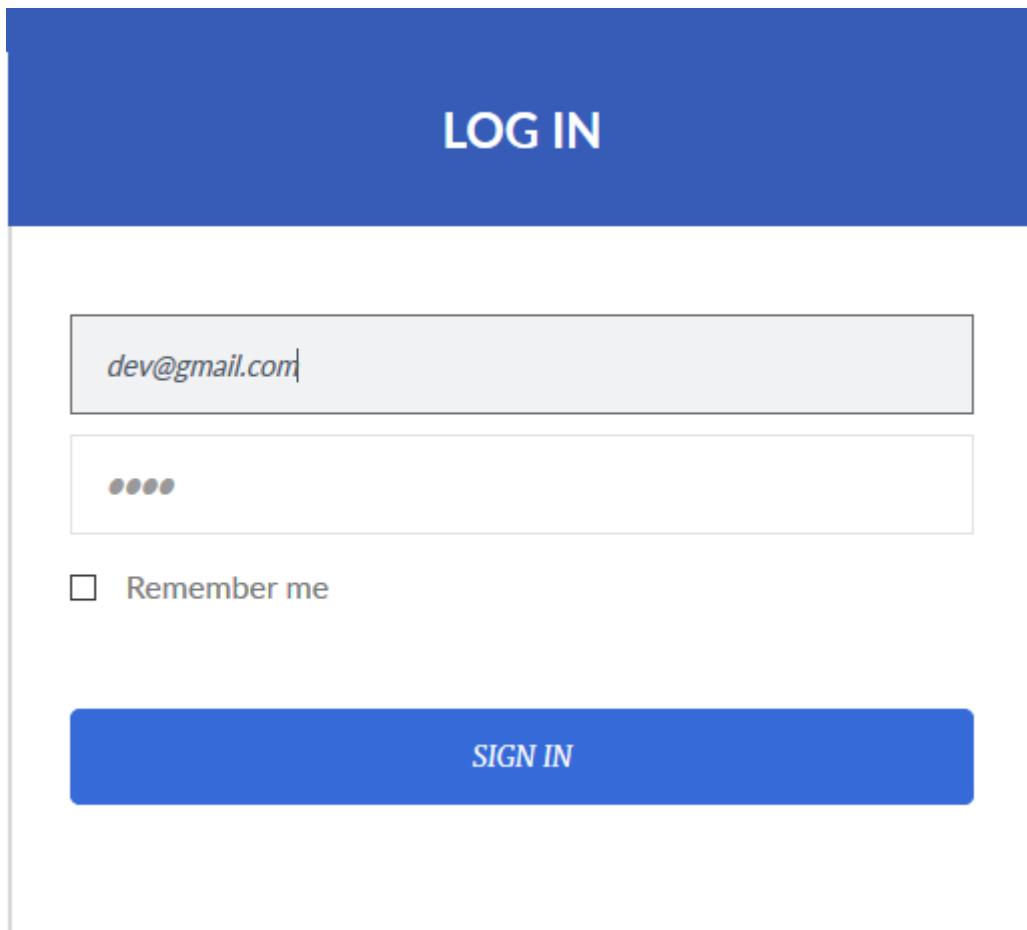


Figure 5.3: "Online tourism in Bangladesh" login page.

5.2.3 Sign-up Page

Only sign up people will get help from this page , When people need Hotel booking or online ticket for transport booking, they must sign up the page and then login, Here we make six button and one check-box and also login with Facebook and google account.

The image shows a sign-up form for an online tourism platform. At the top, a blue header bar contains the text "SIGN UP" in white capital letters. Below the header are six input fields, each with a placeholder label in blue italicized text: "First Name", "Last Name", "User Name", "Email", "Password", and "Confirm". After these fields is a large blue button with the text "SIGN UP" in white capital letters. The entire form is set against a light gray background.

Figure 5.4: "Online tourism in Bangladesh" sign-up page.

5.2.4 Package Page

In package page they can see various packages, then choose which package is best for them and here we create different types of package low cost and high cost. Here another option is "view Details" to see the tour place more details where they want to go.



Figure 5.5: "Online tourism in Bangladesh" package page.

5.2.5 Admin Panel

Admin can changes anything to this site. Admin can add places. Admin can change packages. They can confirm hotel/transport/packages and also canceling this. They can also approve or remove the review text in the blog option.

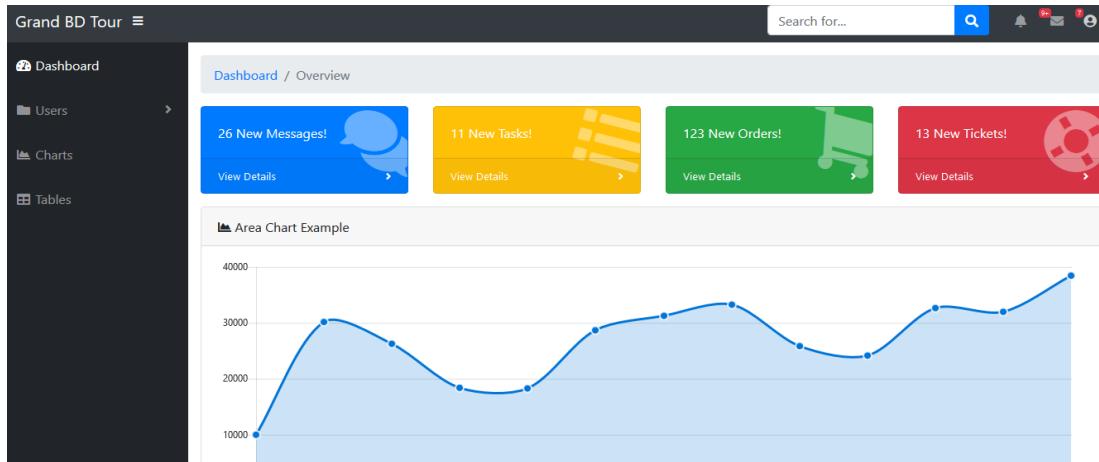


Figure 5.6: "Online tourism in Bangladesh" admin page.

5.2.5 Other Pages

In this page they can see about us where they can see our others pages and know about us. Here we make others option like "Ticket Booking, Hotel Reservation.

5.2.5.1 Ticket Booking

In this online ticket booking system we can select place, seat type, seat number, date and time. Then we can easily submit it.

Online Bus Tickets Booking

Booking Form

Bus Name	Dainik Enterprise	
Bus Number	333	
From	To	
Dhaka	Chittagong	
Type	Prior	
AC	TK 1000	
Date	Time	
December 9, 2011	8:30 pm	

Choice your Seat

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

Booking Details

Selected Seats (2):
First Class Seat x 1 \$1000
First Class Seat x 1 \$1000

Total: \$2000

Personal Information

Name	
Phone	
Email	
Address	

Book

Figure 5.7: "Online tourism in Bangladesh" ticket booking page.

5.2.5.2 Hotel Reservation

In this online hotel reservation system we can select hotel name, room type, number of people, check-in_check-out option and then submit your personal information.

Reservation

Booking Form

Destination

Check In

Check Out

Room Type

personal Information

First Name

Last Name

Phone Number

Email

SUBMIT

Reservation Info

Description

The one & only five star resort in the Sylhet region of Bangladesh. Equipped with all modern state of the art amenities and facilities, located in Srimongal (the tea capital of Bangladesh), around four hours drive from Dhaka.

Gallery

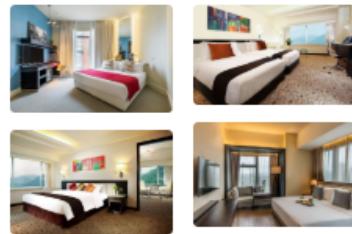


Figure 5.8: "Online tourism in Bangladesh" hotel reservation page.

5.2.6 Blog

Blog option is the uncommon and more important option. This helps the tourist to visit most suspicious places. Users can comment on those post and give opinion. User can know some valuable experience about a tourist place through this Blog.

Latest News

BANGLADESH: discover today, think tomorrow



COX'S BAZAAR, BANGLADESH

① 11 Sep, 2018 | ② 3 Comment

Cox's Bazaar is located on the South Eastern part of Bangladesh. Panwa, the yellow flower was its early name. After Lieutenant Cox kept his footprint and administered the area and the name turned to Cox's Bazar. Having the world's longest unbroken (120km) beach, sloping gently down to the blue waters of the Bay of Bengal.



SUNDARBANS AT A GLANCE

① 11 Sep, 2018 | ② 3 Comment

The Sundarbans forest tracts extended for about 273.53km along the shoreline of the Bay of Bengal from the estuary of the Hoogly to that of the Meghna and inland up to a distance of 96.54km to 128.72km. Bangladesh tract located lies in the south west of Bangladesh comprising Khulna, Bhagerhat and Satkhira districts.



THE GREAT BACK WATER – southern part of the country

① 11 Sep, 2018 | ② 3 Comment

Barisal - The Southern Part of Bangladesh, called 'The Moon Island', 'The Grain House', 'The Venice of Bengal', 'The Venice of East', 'The Land of Paddy - River - and Canals'. Where hills and ancients monuments in other parts of Bangladesh are unique to those areas, the Backwaters are unique to Barisal.

Figure 5.9: "Online tourism in Bangladesh" Blog page.

5.2.7 Contact us

Contact us option people can contact with us when they fore any huge problem. They can call us in various options like Gmail, Facebook etc. In this Page below, we make contact form where they can add His or Her Name then Email address and Phone Number then massage us.

Dhaka:

📍 1234, Street Name, City Name.
✉️ Info@travellers.com
📞 +1 235 654 4569

Naogaon:

📍 1234, Street Name, City Name.
✉️ Info@travellers.com
📞 +1 235 654 4569

Chandpur:

📍 1234, Street Name, City Name.
✉️ Info@travellers.com
📞 +1 235 654 4569

30000 shares & Likes

9000 followers

15000 subscribers

3200 connections

Figure 5.10: "Online tourism in Bangladesh" contact us page.

© Daffodil International University

27

5.3 Implementation of Interactions

In implementation interaction is a part of our system. Interaction means when I am in an earmarked page of a website that takes me different page if we want the page. It happens because the pages are interlinked between them. So the interlinked pages interlude with others. There are many elements that go into the production of a website. A website is the best medium to communicate with users from all over the world. It is therefore essential, it should be designed in such a way that users should be attracted and be engaged on the site. This is when a website can reach its users successfully. That element is website interactivity.^[11]

When I just work for implementation that means I am working for the website. When the user moves the mouse button on home panel that slides on a side that was the one of my interaction implementation for my system.

In real world, interaction can found almost everywhere. Interaction is the key to make a system progressive and winsome to user. It's very necessary to make a system interactive and we also try to. As mentioned in earlier, we also include some sole feature to interact our system. Our project is successfully implemented and the interaction of our tourism site with the users is quite engrossing.

5.4 Testing Implementation

When I test the specification is prepared then it is implemented and is called test implementation. I have tested the system several times like login, generating codes or the other management issues, logout, the input and output for the results as many as possible for me I have tested. I also tried to input my data in the databases and in case of that I got the success on that. So I have tested the followings:

- Sign Up system
- Login System
- Add packages
- Approve/cancel text of blog
- Count system collected every page
- Search Places
- Expected Outcome
- Logout

5.4.1 Acceptance Testing

The acceptance test cases are realized against the test data or using an acceptance test monument and then the results are weighed with the expected ones.

5.4.2 Accessibility Testing

Accessibility testing is a subset of usability testing where in the users under discretion people with all abilities and disabilities are. The significance of this testing is to confirm both usability and accessibility.^[10]

5.5 Test Results and Reports

I tested every single section. Everything is alright and every test result is positive. Here need more professional for project work completed.

5.5.1 System Testing

When I tested this system, every single section is work properly. After complete all the thing its need to serve if have any problem, and when test again it's continue before all done.

5.5.2 User Acceptance Testing

This table shows the testing implementation of this site. So, in this table we discussed about the implementation result.

Table 4: Test case for "Online tourism in Bangladesh"

Test case	Test input	Expected output	Actual output	Result	Tested on
Menu	Click the menu	Show all option	Showing all option	passed	20/09/18
Registration	Without registration	Cannot able to login	Cannot able to login	passed	22/10/18

Email or password	Blank or incorrect email or password	To warn that correct email or password	Showed the warning	passed	22/10/18
Password	Blank or incorrect password.	To warn that correct	Showed the warning	Passed	22/10/18
Package (admin part)	Add package	To upload package successfully	Package uploaded successfully	Passed	23/10/18
Search places	Click the search button	To show the places you searched	Showed the places	Passed	23/10/18
Sign Out	Click the log out	Log out from this site	successfully Log out	Passed	23/10/18

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Discussion & Conclusion

The project report is designed by the theoretic knowledge and real life experience. It is designed to have practical experience while fleet through the theoretical understanding. This report is the result of our tourism web program with our team. We collected a lot of information by facing problem & resolving that. It will help us in our touring life. At last of this chapter, it is clear that tourism guide is relatively new data which can be imbibed. Online system should focus on the various places which will allure tourists. From the above analysis of the current system it is understand that there are some features missing which should be present in an online tourism guide. We tried to give our best to do this project but we all know that each and every system has some limitations and we are not free from the limitation. We have some limitation also and we will discuss as follows:

6.1.1 Limitaions:

Due to the limitaion of time, many of the ardor that could be implemented in the system are absent. By definition of the core logic in use for result processing, user inputs and feedbacks are too important for streamlining the salvo. But it can be said that we all love to travel to cxotic places and we all are tourist in nature. However, the project can be expected to attain its goal in near future with enough user inputs and feedback from testing sessions.

As a developing country, the government of Bangladesh has taken some obligate project to develop the Information and Technology sector so Web development in Information technology is big step forward for the concept “Digital Bangladesh”.

If this system can be implemented properly and completely then it has very shiny future in Bangladesh.

6.2 Scope for Further Developments

The system has been developed with future development possibilities in consideration. The object oriented approach of this system permits addition of new entities and methods which can be used to interact with existing ones and to extend the functionalities. The developers of this system wishes to continue their involvement and contribution to this system for further development operation.

6.2.1 GPS backed mapping system

Future plan of the system is to build an automated tourism guide which will help the tourist to find their desired places with the help of GPS tracking system. In that system s/he has to identify where s/he is and where is the destination.

6.2.2 Features of the Future Implementation System

The proposed system should have the following facilities to serve the better service to the tourist.

- Getting all the information about the tourists in more details through web service or mail.
- SMS based alert system of this departure time to a visiting place.
- Automated mapping system.
- Online chatting system.
- Cloud Based – Hosting.
- Power Full UX Android App.

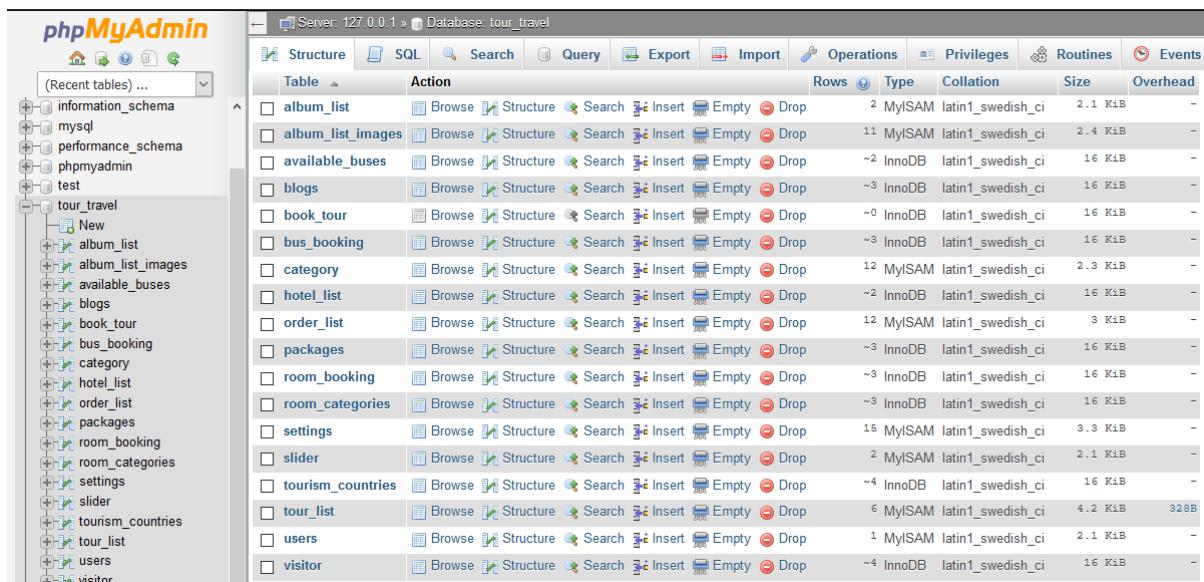
APPENDIX

Appendix A: Project Reflection

The purpose of this Appendix is to provide an introduction to Project reflection. Single project handle was a challenging and enjoyable experience typical of the course as a whole. The experience taught me that how to make planning and crafting responses takes a longer time. The extensive effort required was ultimately a good think. When working alone, I can end up with a result that is identical to my initial plans.

We were constantly developing and refining one another's ideas. It was fascinating just how productive our group meetings were. The time seemed to fly and yet we always got a lot done and managed to help another along the way towards the endpoint of having a substantive policy.

Appendix B: Related Diagram



The screenshot shows the phpMyAdmin interface for the 'tour_travel' database. The left sidebar lists schemas and tables. The main area displays a table of 20 tables with their details. The columns include Table, Action, Rows, Type, Collation, Size, and Overhead.

Table	Action	Rows	Type	Collation	Size	Overhead
album_list	Browse Structure Search Insert Empty Drop	2	MyISAM	latin1_swedish_ci	2.1 Kib	-
album_list_images	Browse Structure Search Insert Empty Drop	11	MyISAM	latin1_swedish_ci	2.4 Kib	-
available_buses	Browse Structure Search Insert Empty Drop	~2	InnoDB	latin1_swedish_ci	16 Kib	-
blogs	Browse Structure Search Insert Empty Drop	~3	InnoDB	latin1_swedish_ci	16 Kib	-
book_tour	Browse Structure Search Insert Empty Drop	~0	InnoDB	latin1_swedish_ci	16 Kib	-
bus_booking	Browse Structure Search Insert Empty Drop	~3	InnoDB	latin1_swedish_ci	16 Kib	-
category	Browse Structure Search Insert Empty Drop	12	MyISAM	latin1_swedish_ci	2.3 Kib	-
hotel_list	Browse Structure Search Insert Empty Drop	~2	InnoDB	latin1_swedish_ci	16 Kib	-
order_list	Browse Structure Search Insert Empty Drop	12	MyISAM	latin1_swedish_ci	3 Kib	-
packages	Browse Structure Search Insert Empty Drop	~3	InnoDB	latin1_swedish_ci	16 Kib	-
room_booking	Browse Structure Search Insert Empty Drop	~3	InnoDB	latin1_swedish_ci	16 Kib	-
room_categories	Browse Structure Search Insert Empty Drop	~3	InnoDB	latin1_swedish_ci	16 Kib	-
settings	Browse Structure Search Insert Empty Drop	15	MyISAM	latin1_swedish_ci	3.3 Kib	-
slider	Browse Structure Search Insert Empty Drop	2	MyISAM	latin1_swedish_ci	2.1 Kib	-
tourism_countries	Browse Structure Search Insert Empty Drop	~4	InnoDB	latin1_swedish_ci	16 Kib	-
tour_list	Browse Structure Search Insert Empty Drop	6	MyISAM	latin1_swedish_ci	4.2 Kib	328B
users	Browse Structure Search Insert Empty Drop	1	MyISAM	latin1_swedish_ci	2.1 Kib	-
visitor	Browse Structure Search Insert Empty Drop	~4	InnoDB	latin1_swedish_ci	16 Kib	-

Figure B1: Database collection of OTB.

The screenshot shows a code editor with several tabs open, each displaying PHP code. The tabs include 'tour_travel', 'admin', 'classes', 'css', 'fonts', 'images', 'inc', 'js', 'view', '404.php', 'about.php', 'booking-tour.php', 'bus-booking-form.php', 'bus-booking.php', 'contact.php', 'faq.php', 'hotel-booking.php', 'hotels-details.php', 'hotels.php', 'index-2.php', 'index.php', 'login.php', 'my-offer.php', 'offer.php', 'packagedetails.php', 'packges.php', 'profile.php', 'signup.php', and 'single.php'. The main content area shows the code for 'add.php', which includes database queries to select categories and insert new tour information, along with CSS-like styles for message classes.

```
1 <?php
2     include_once('common.php');
3     require_once('connection.php');
4
5     $select = "SELECT * FROM category";
6     $query = mysqli_query($conn,$select);
7
8     ?>
9
10
11
12
13     <div id="page-wrapper">
14         <div class="container">
15             <div class="page-content">
16                 <h3 class="page-title">Add New Tour</h3>
17                 <div class="col-md-12">
18                     <div class="message">
19
20                         <?php
21
22                         if(isset($_GET['msg']) && isset($_GET['op'])){
23                             if($_GET['msg']==1){
24                                 echo "<span class='msgp1' style='padding:px 20%; color:grey; font-size:1.0em; margin:0 5% 5px; text-shadow: 1px 2px 3px #c8b4b4; letter-spacing: 1px; word-spacing: 1px; DATA has been ".$_GET['op']."' !</span>";
25                             }
26                         }
27                         else{
28                             echo "<span class='msgp0' style='padding:px 20%; color:grey; font-size:1.0em; margin:0 5% 5px; text-shadow: 1px 2px 3px #c8b4b4; letter-spacing: 1px; word-spacing: 1px; DATA has been ".$_GET['op']."' !</span>";
29                         }
30
31                     </div>
32                 </div>
33             </div>
34         </div>
35     </div>
36
37
38
39
```

Figure B2: PHP code for database connection.

phpMyAdmin

Server: 127.0.0.1 » Database: tour_travel » Table: album_list_images

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers Profiling [Inline] [Edit] [Explain SQL] [Create PHP Code] [Refresh]

(Recent tables) ...

information_schema
mysql
performance_schema
phpmyadmin
test
tour_travel
 New
 album_list
 album_list_images
 available_buses
 blogs
 book_tour
 bus_booking
 category
 hotel_list
 order_list
 packages
 room_booking
 room_categories
 settings
 slider
 tourism_countries
 tour_list
 users
 visitor

Number of rows: 25

Sort by key: None

+ Options

	id	name	image	tour_id
<input type="checkbox"/>	2	Garden	20170620075010.jpg	1
<input type="checkbox"/>	3	Mountains	20170620075410.jpg	1
<input type="checkbox"/>	4	Evenings	20170620075426.jpg	1
<input type="checkbox"/>	5	Airport	20170620075448.jpg	1
<input type="checkbox"/>	6	Mornings	20170620075507.jpg	1
<input type="checkbox"/>	7	River	20170620075533.jpg	1
<input type="checkbox"/>	15	winter3	20170621103347.jpg	2
<input type="checkbox"/>	14	Winter2	20170621103328.jpg	2
<input type="checkbox"/>	16	winter4	20170621103405.jpg	2
<input type="checkbox"/>	17	winter5	20170621103427.jpg	2
<input type="checkbox"/>	18	winter6	20170621103444.jpg	2

Check All With selected: Change Delete Export

Number of rows: 25

Figure B3: All images are on database.

REFERENCES

- [1] Learn about other tourist site, available at <<
- [3] Learn about objectives, available at <<
- [5] Learn about Wikipedia, available at <<
- [7] Learn about Wikipedia, available at <<
- [9] Learn about design implementation, available at <<
- [11] Learn about UX design, available at << [© Daffodil International University](https://bit.ly/2GcRJHy/>>, Last Accessed on 25-September-2018.</div><div data-bbox=)

Document Viewer

Turnitin Originality Report

Processed on: 25-Nov-2018 10:40 +06
 ID: 1044206765
 Word Count: 5953
 Submitted: 1

151-15-4983 By Tanmoy Bhowmik

Similarity Index 23%	Similarity by Source
	Internet Sources: 16% Publications: 1% Student Papers: 13%

[include quoted](#) [include bibliography](#) [excluding matches < 1%](#) [download](#)
[refresh](#) [print](#) mode: quickview (classic) report ▾

- 5% match (Internet from 20-Aug-2016)
<http://www.studymode.com> ✖
- 4% match (Internet from 05-Oct-2018)
<https://pdfs.semanticscholar.org/1b6c/030b8604ced95acc3e60b6c2bf24469384a4.pdf> ✖
- 2% match (student papers from 07-Apr-2018)
 Class: Article 2018
 Assignment: Journal Article
 Paper ID: [942529897](#) ✖
- 1% match (student papers from 27-Sep-2013)
[Submitted to University of Dayton on 2013-09-27](#) ✖
- 1% match (student papers from 23-May-2018)
[Submitted to Barking College on 2018-05-23](#) ✖
- 1% match (Internet from 08-Mar-2017)
<http://www.conceptdraw.com> ✖
- 1% match (publications)
[Höpken, Wolfram, Matthias Fuchs, Gerhard Höll, Dimitri Keil, and Maria Lexhagen. "Multi-Dimensional Data Modelling for a Tourism Destination Data Warehouse". Information and Communication Technologies in Tourism 2013, 2013.](#) ✖
- 1% match (Internet from 16-Mar-2010)
<http://interactiveonline.com> ✖
- 1% match (student papers from 29-Aug-2017)
[Submitted to Buckinghamshire Chilterns University College on 2017-08-29](#) ✖