

SMART TOUR MANAGEMENT SYSTEM

BY

Abir Hossain

ID: 161-15-7163

Md. Tareq

161-15-7356

Nahid Hasan Songram

161-15-7182

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

Supervised By

Md. Sadekur Rahman

Assistant Professor

Department of CSE

Daffodil International University

Co-Supervised By

Abbas Ali Khan

Lecturer

Department of CSE

Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

APPROVAL

This Project/internship titled “Smart Tour Management System”, submitted by Abir Hossain, ID No: 161-15-7163 Nahid Hasan Songram, ID No:161-15-7182 MD.Tareq ,ID No:161-15-7356 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 6thDecember 2019.

BOARD OF EXAMINERS

Dr. Syed AkhterHossain

Professor and Head

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Daffodil International University



Chairman

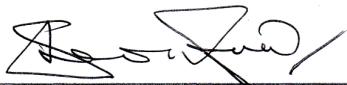
Saiful Islam

Senior Lecturer

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Daffodil International University



Internal Examiner

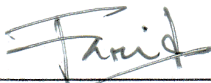
Shaon Bhatta Shuvo

Senior Lecturer

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Daffodil International University



Internal Examiner

Dr. Dewan Md. Farid

Associate Professor

Department of Computer Science and Engineering

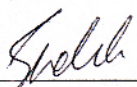
United International University

External Examiner

DECLARATION

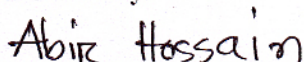
We hereby declare that, this project has been done by us under the supervision of **Mr. Md. Sadekur Rahman, Assistant Professor, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:

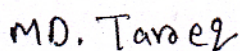


Mr. Md. Sadekur Rahman
Assistant Professor
Department of CSE
Daffodil International University

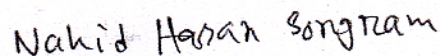
Submitted by:



Abir Hossain
ID: -161-15-7163
Department of CSE
Daffodil International University



Md. Tareq
ID: -161-15-7356
Department of CSE
Daffodil International University



Nahid Hasan Songram
ID: -161-15-7182
Department of CSE
Daffodil International University

ACKNOWLEDGEMENT

First we express our heartiest thanks and gratefulness to almighty God for His divine blessing makes us possible to complete the final year project/internship successfully.

We really grateful and wish our profound our indebtedness to **Mr. Md. Sadekur Rahman**, Department of CSE Daffodil International University, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of *Web based project* to carry out this project. His 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 gratitude to Prof. 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 mate 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 patience of our parents.

ABSTRACT

Our tour website is enthusiastic to travel. This site is fixated on travel information with interesting presentation view for users. Numerous travel websites are available online. But those are mostly travel stories. Those are created by some travelers. And those companies present these websites with no costs. We know now everybody rely on internet. So many users want to travel their loving travel destination. So we created this website for giving proper information to user for their travel destination. Through our website they can take proper facilities. We provide many good companies for travel in our advertisement section. There is always difficulty for travelers for associating travel agency and customer. So our website is for simplify the relationship between them. Our website will provide features related to travel with interesting experience. The customers are appreciating all websites but they find difficulty with package of travel and communication with agencies. Also there is security reasons for travel. There are many fraud websites. Those websites provide interesting and wrong information. By using our website user can aware from false advertisement. Our website will play trustworthy role for customers. Users can give feedback to our website. Admin can develop more from that. Users will get proper and true information from our website.

TABLE OF CONTENTS

CONTENTS	PAGE NO
Board of examiners	i
Declaration	ii
Acknowledgements	iii
Abstract	iv
CHAPTER	
CHAPTER 1: INTRODUCTION	1-2
1.1 Introduction	1
1.2 Motivation	2
1.3 Objectives	2
1.4 Expected Outcome	2
1.5 Project Plan	2
	3-4
CHAPTER 2: BACKGROUND	
2.1 Introduction	3
2.2 Related Works	3
2.3 Challenges	4
	5-9
CHAPTER 3: REQUIREMENT SPECIFICATION	
3.1 Business Process Modeling	5
3.2 Requirement Collection and Analysis	6
3.3 Software Development Life Cycle (AGILE)	6
3.4 Flow Chart	7
3.5 Dataflow Diagram	8
3.6 Use Case Modeling and Description	8

	9
CHAPTER 4: DESIGN REQUIREMENT	11-12
4.1 Front-end Design	11
4.2 Back-end Design	11
4.3 Interaction Design and UX	12
4.4 Implementation Requirements	13-28
CHAPTER 5: OPERATION& TESTING	13
5.1 Implementation of Database	14
5.2 Implementation of Front-end Design	28
5.3 Test Results and Report	
	29
CHAPTER 6: CONCLUSION & FUTURE SCOPE	29
6.1 Discussion and Conclusion	29
6.2 Scope for Further Developments	
	30
APPENDIX	
	31
REFERENCES	

LIST OF FIGURES

FIGURES	PAGE NO
Figure 3.1: Business process modeling	5
Figure 3.3: Software development life cycle (agile)	6
Figure 3.4: Flow chart for Tourism Management	7
Figure 3.5: Data Flow Diagram for System	8
Figure 3.6: Use Case Model	9
Figure 3.7: ER Diagram	10
Figure 5.1: Screenshot of the Database	13
Figure 5.2: Screenshot of Homepage	14
Figure 5.3: Screenshot of Footer Page	15
Figure 5.4: Screenshot of Tour page	16
Figure 5.5: Screenshot of Category of tour	17
Figure 5.6 :Screenshot of Details page	18
Figure 5.7: Screenshot of Enquiry & comment	19
Figure 5.8: Screenshot of Log in Page	20
Figure 5.9: Screenshot of Advertisement Page	21
Figure 5.10 :Screenshot of Admin Panel	22
Figure 5.11: Screenshot of Add Category Page	23
Figure 5.12: Screenshot of Update User Page	24
Figure 5.13: Screenshot of Add Package Page	25
Figure 5.14: Screenshot of View Package Page	26
Figure 5.15: Screenshot of View Admin Login Page	27

LIST OF TABLES

TABLES

PAGE NO

Table 5.1: Test Case

28

CHAPTER 1

Introduction

1.1 Introduction

The main aim for our website is to provide truthful information for user. Our website is mainly check feedback, provide information, provide advertisement, provide different features. We use appropriate tools for our website. That's the reason our website is very much user friendly. There is many fraud website giving wrong information. Those websites provide fabricated advertisement. Online tourism website sections are growing fast that's why we know the future of tourism will be web based. Our website is built with updated environment and technology. Our website will support tourism sector in a very promising way. Our website will provide many tourism facilities. Our website will give user flexibility. Our system is its simple version. We give space for our system to add features according to customer's or user's requirement. Our tourism website will support all component. Our website is client server methodology. It is using multi agent technology. Admin can add and delete user, add and delete category, modify everything. Customer can view all the travel destination and package price. They can send message to admin. And Admin can be benefitted from this to develop the site further more. Our website will create new style of online travel website. Customer or user will enjoy it.

1.2 Motivation

Motive of our project is to deliver an application based on Smart Tour management system. It will be an easy way for customers to gather information in time. Over this application process customer can find out the best location, very short time. It will be helpful for select their coveted place for customers.

1.3 Objectives

Our key mission to automate all information concerning Tourist Specifics. Admin can develop more using customer comment. This is a way for admin to collect data of customer need. Admin can find out some area and present more effective easy way of information to user.

1.4 Expected Outcome

Our desired result or outcome from this project is categorically accurate & explicit. There will be a suitable facility to choice the best holiday maker place in the exact zone. Database of this project update to mounting consumer superior experience.

1.5 Report Layout

We gave a full overview of our system & related work in this section. We recently observed on this similar type of work and try to develop our project. In chapter 2 we describe the challenges. Another chapter 3 we describe the two stage of background. We also describe the prerequisite specification and try to unveil user demand. In chapter 4 & 5 we reveal how we resolve the problem & what we use for the project.

Finally, in chapter 6 we remark some concluding & suggestions for future works.

CHAPTER 2

Background

2.1 Introduction

Our work will enhance very valuable and effective result or output for tour websites. By this process customers will find comfortable zone to gather information of their travel destination. It will bring complement and Comments for those travel companies for develop their sites with more features.

2.2 Related Works

There are not so many research available for tour management systems in the world right now. But in future there is huge scope for this. For Our project we try to make something unique. Our project will smooth the use experience of user. Very high technology is used here. We use little bit resource from other linked works. We know that there is lack of quality resource.

The main aim of our project is to provide a web based tourism management system. It will be an easy way for tourists to get proper information. Through this online process the tourists will get regular support, instruction & feedback as developing their idea. Provides excellent security of data at every level of user system interaction and also provides reliable storage and backup facilities. It will be helpful for tourists to select their places as their choices & will be rating in the proper way.

2.3 Challenges:

We know every job or work is a challenge. Our main challenges are to deliver a secure, smooth, accurate, organized website for travel management system for users. We added features for users to know detail information about their travel destination and also they can involve with the development by giving their comment. The main aim of our project is to provide a web based tourism management system. It will be an easy way for tourists to get proper information. Through this online process the tourists will get regular support, instruction & feedback as developing their idea. Provides excellent security of data at every level of user system interaction and also provides reliable storage and backup facilities. It will be helpful for tourists to select their places as their choices & will be rating in the proper way.

Some characteristics of Rational Unified Process include;

- Emerging iteratively
- Managing necessities
- Using component-based architectures
- Modeling software visually
- Quality authentication
- Control over changes

CHAPTER 3

Requirement Specification

Prerequisite Specification is what we need to build any system. It can be done following the needs of any company or organization.

3.1 Business Process Modeling

The bpm (business process Modeling) will show the working process of the website. This will give an overview. It will show the operation management of the website.

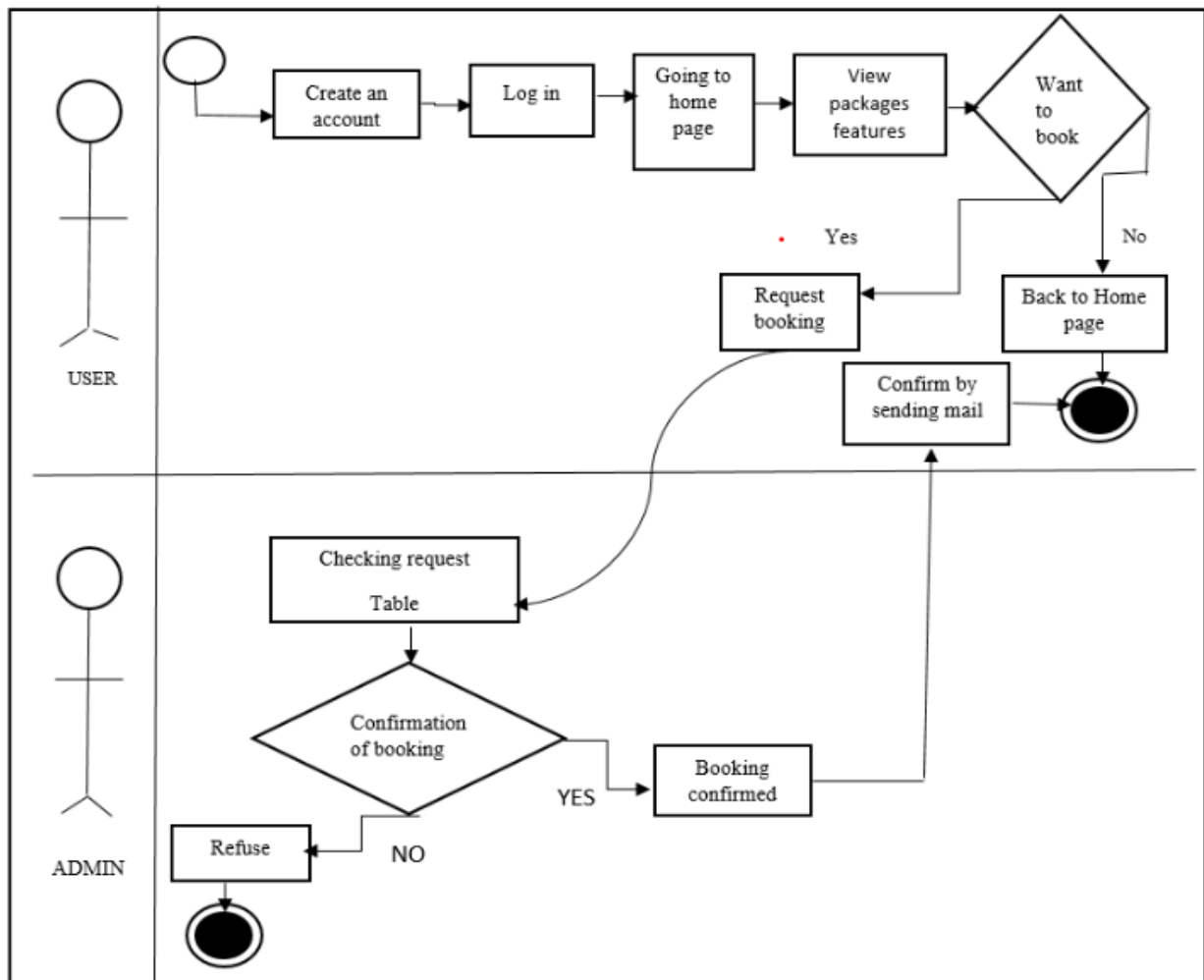


Figure 3.1.: Business Process Modeling

3.2 Requirement Collection and Analysis

It is very important for anybody to specify Prerequisite and breakdown it before starting project. If you don't know Requirement you can't build good project. Prerequisite gathering is very important for project. Prerequisite collection is important for the smoothness of the project when it comes to run the project. Without collecting Prerequisite, the project can fall in absolute loss and failure of total contribution of group members.

3.3 Software Development Life Cycle (AGILE)

Agile modeling (AM) is a methodology for modeling and documenting software systems based on best practices. It is a collection of values and principles, that can be applied on an (agile) software development project. This methodology is more flexible than traditional modeling methods, making it a better fit in a fast changing environment. It is part of the agile software development tool kit [1].

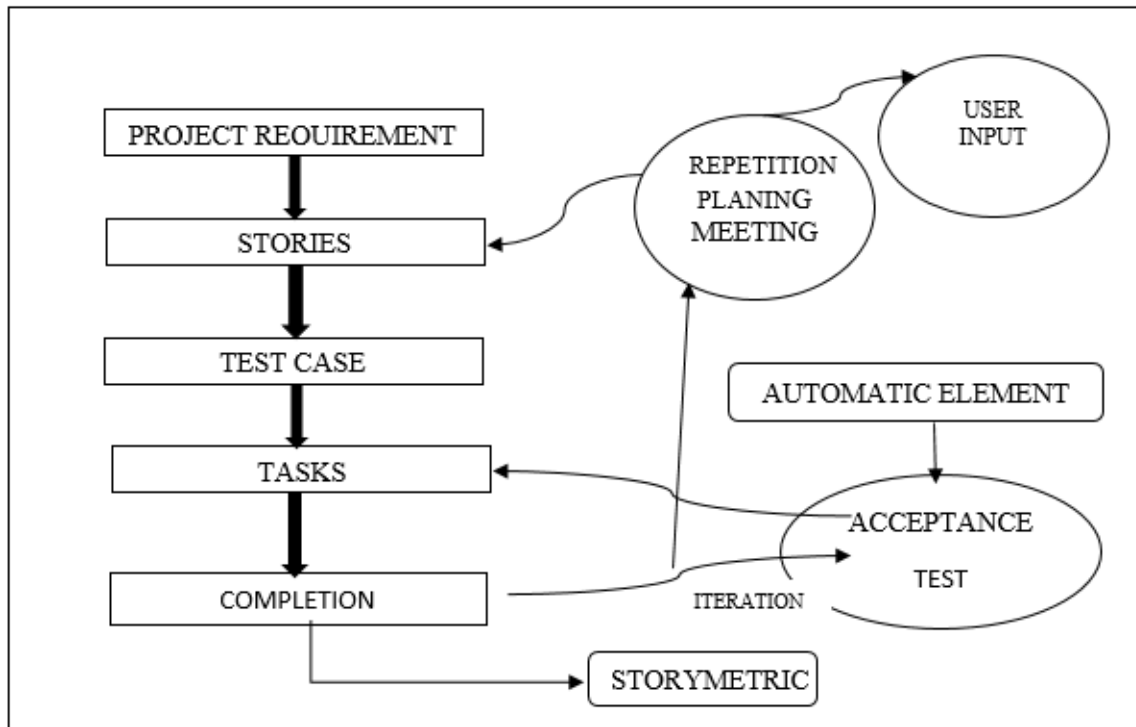


Figure 3.3: Agile model

3.4 Flow Chart

This is the process of Smart Tour Management System. It is given below-

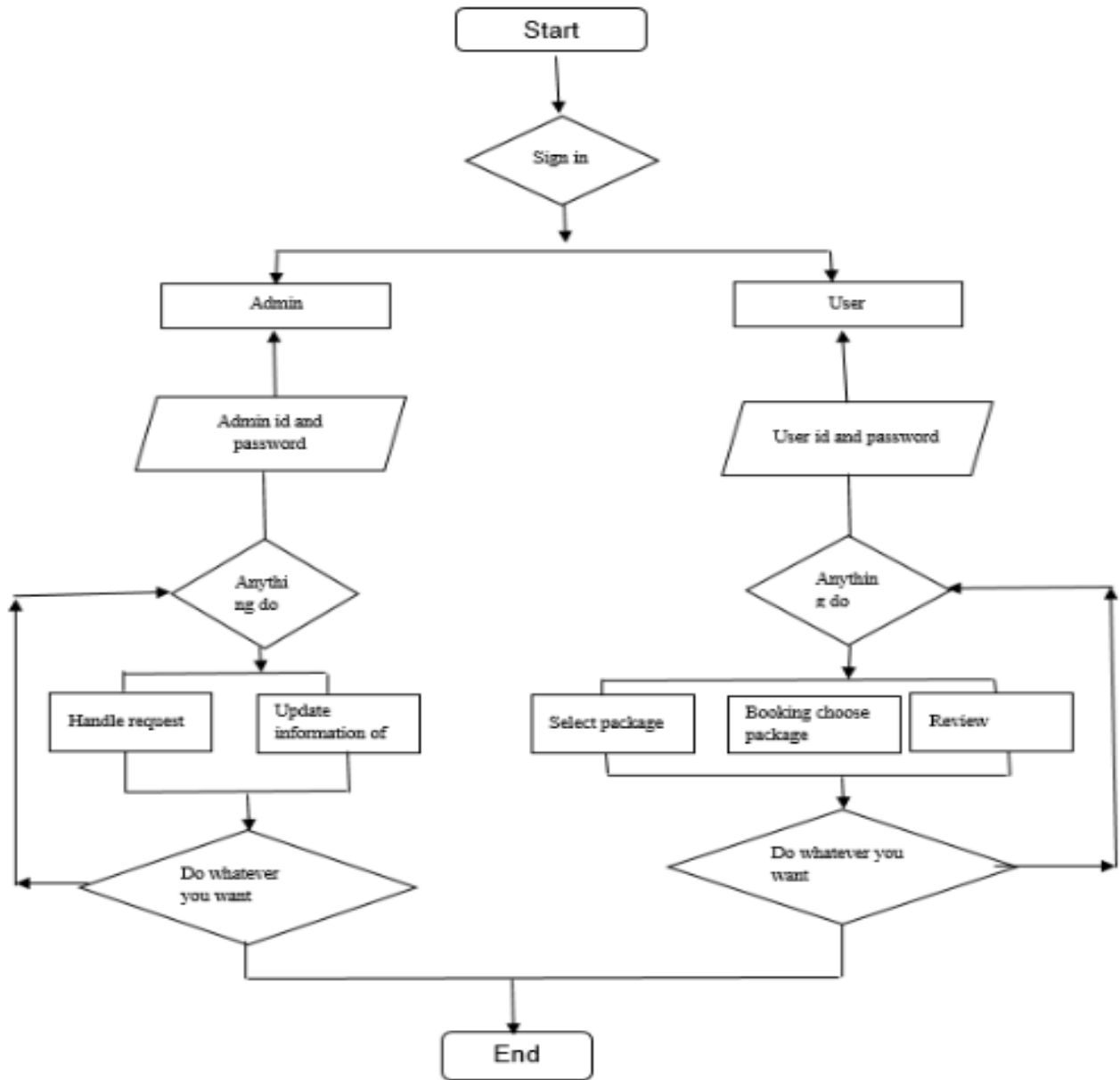


Figure 3.4: Flow chart for Smart Tour Management System

3.5 Data Flow Diagram

Data flow diagram is the graphical presentation the data flow through an information system. It is used for initial phase to build outline of any system.

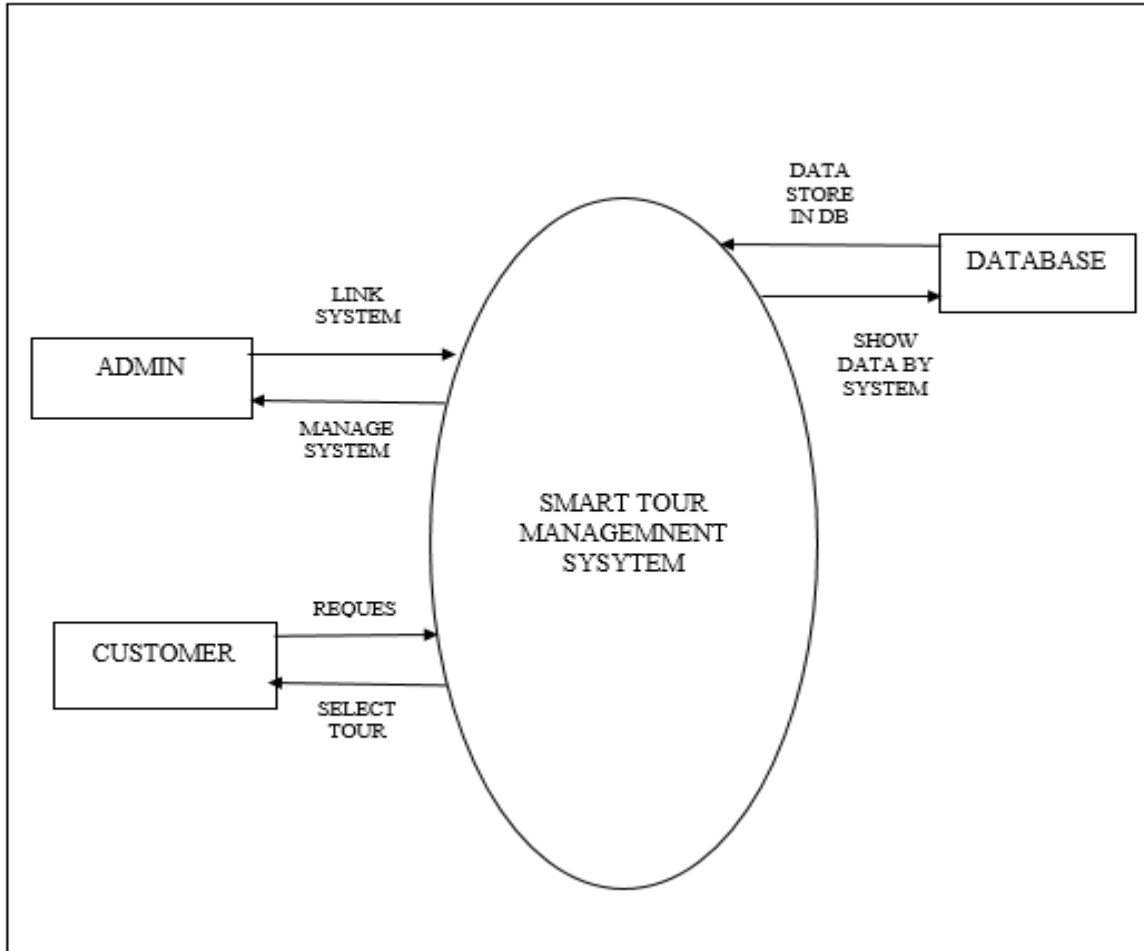


Figure 3.5: Data Flow Diagram for System

3.6 Use case model & description

The actors are:

- Customer
- Admin

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

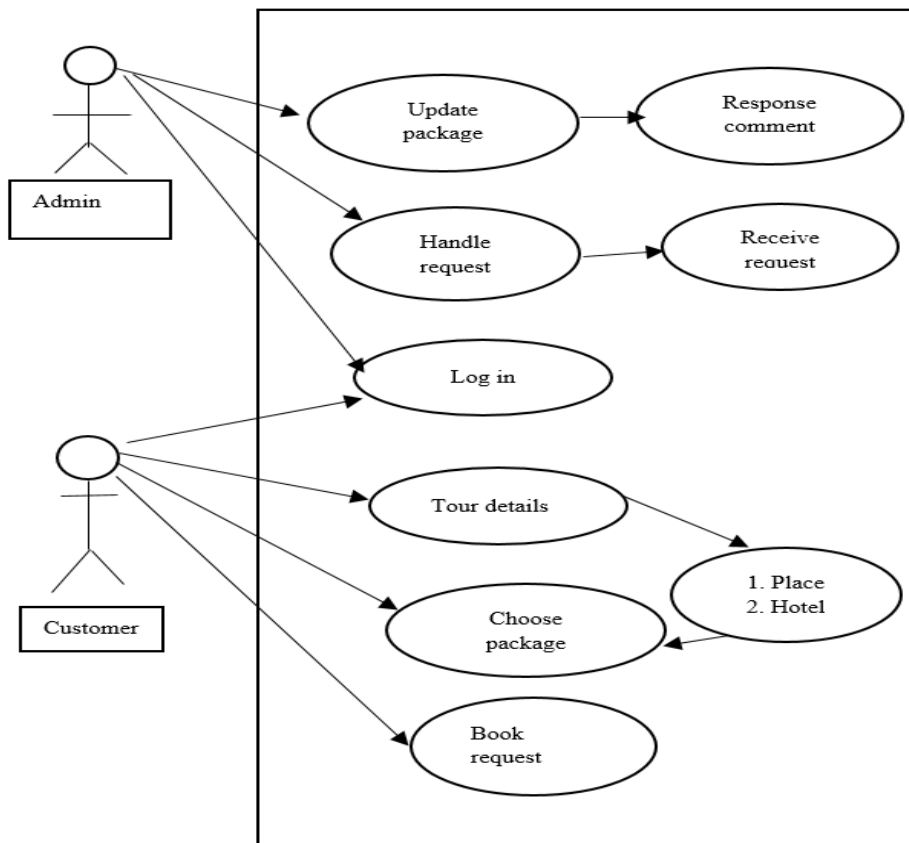


Figure 3.6: Use Case Model

3.7 ER Diagram

The ER Diagram represent the Admin and Customer relationship through diagram.

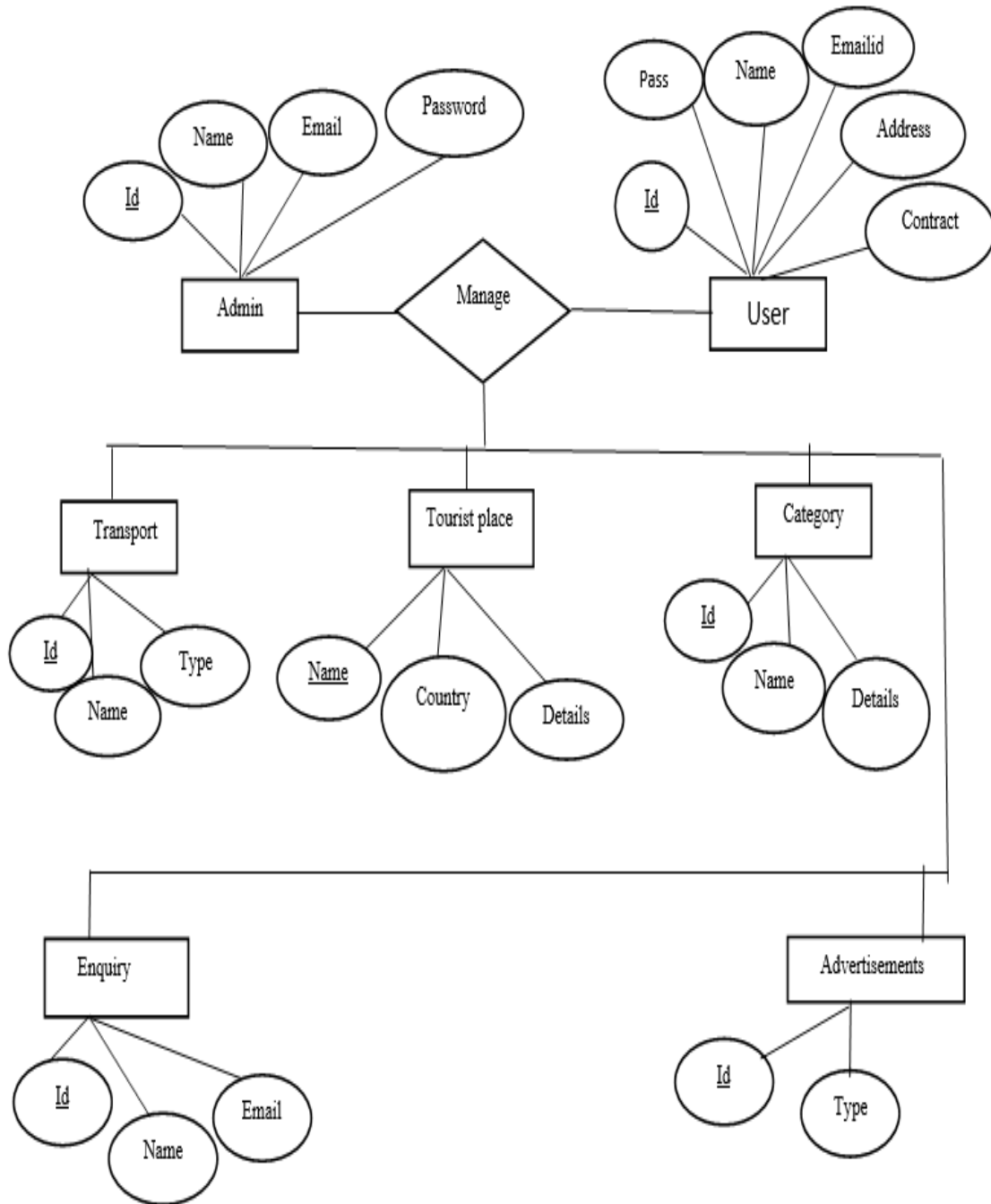


Figure 3.7: ER diagram

CHAPTER 4

Design Specification

4.1 Front-end Design

Front-end tools, which are used in developing our tour management system, are given in the following [2]-

- HTML5
- CSS
- JAVA SCRIPT
- Bootstrap
- JQuery

4.2 Back-end Design

In the backend design, we use Php for our application. MySQL is the popular tools for database management system.

4.3 Interaction Design and UX

Entire design of this project is consumer friendly. Up-to-date design tools have been used for this project. Also new concepts have been considered to make it user friendly. In future any kind of edit is allowed. Each section of this project will be modified or updated time to time. The project deliveries are the outcome from any project that will help to change for good reason. The future of tourism will be online that's why we have to cope with new technology. This project will update time to time. Deliverables can be technique progresses, new-fangled or enhanced services, service quality developments, image and reputation artifacts, risk reduction benefits, increases to the elasticity of staff or policy submissions software preparation, reserve distribution is a strategy for using obtainable assets, for instance human resources, particularly in the close span, to

accomplish objectives for the upcoming. It is the procedure of distributing properties among the numerous projects bootstrap [3].

4.4 Implementation Requirements

System analysis engineering includes those responsibilities that go into defining the needs or environments meet for a new or different product and project, taking the account of the probably requirements of the necessities. Many investors evaluating, recording, confirming and handling system.

4.4.1 Effectiveness of Requirement

While the system executed then the travelers use the system for evaluation tourist websites, place and give some feedback and canal so get data about the sites.

4.4.2 Implementation of Requirement

To implement of the system here we use HTML, PHP, CSS, JAVASCRIPT, and JQuery for the frontend design. PHP will be used to connect with database. Besides, MySQL improves database part of the system [4]

CHAPTER 5

Implementation and Testing

5.1 Implementation of Database

Here we added screenshot of databases of the project is given below. In figure 5.1 show the Database.

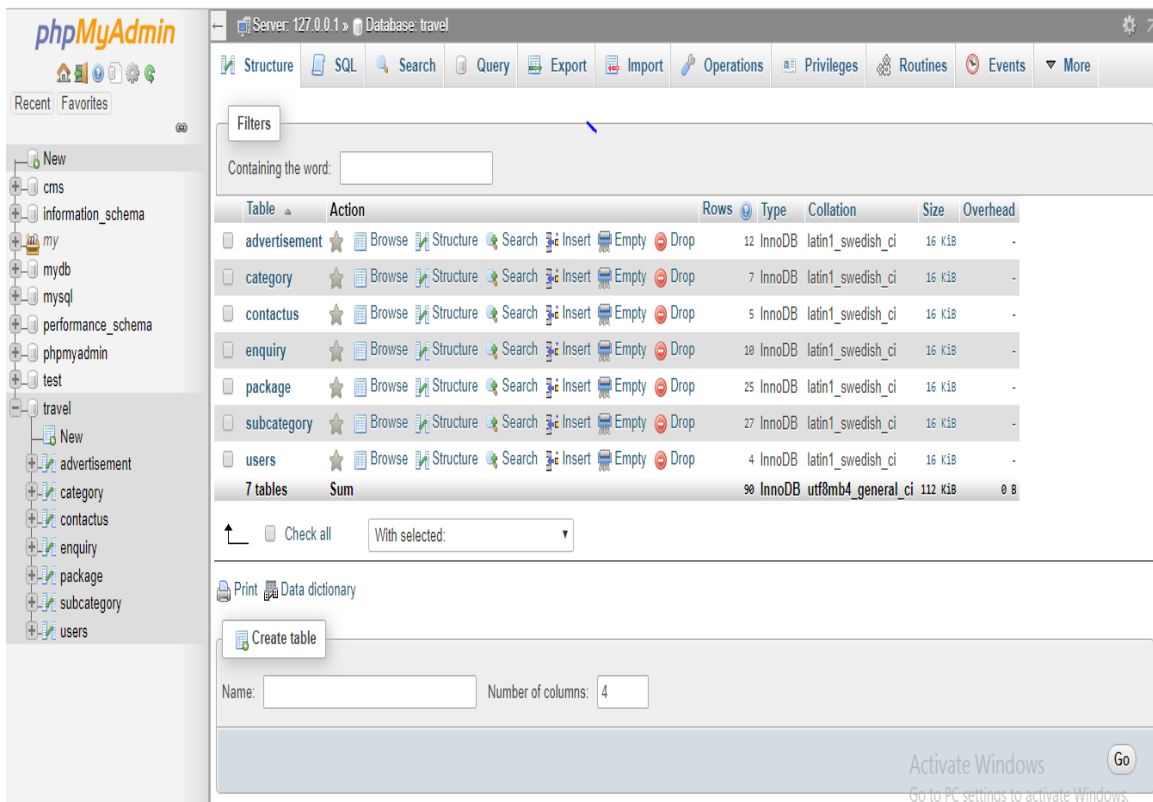


Figure 5.1: Screenshot of the database

5.2 Implementation of Front-end Design

All pages like, homepage, admin profile and all other pages are given bellow:

Home Page

Here this is the homepage of our project. This page is main page and this is the main page of the site. After entering into our site user can see this page first. The user will be the customer. In figure 5.2 show the Home page.

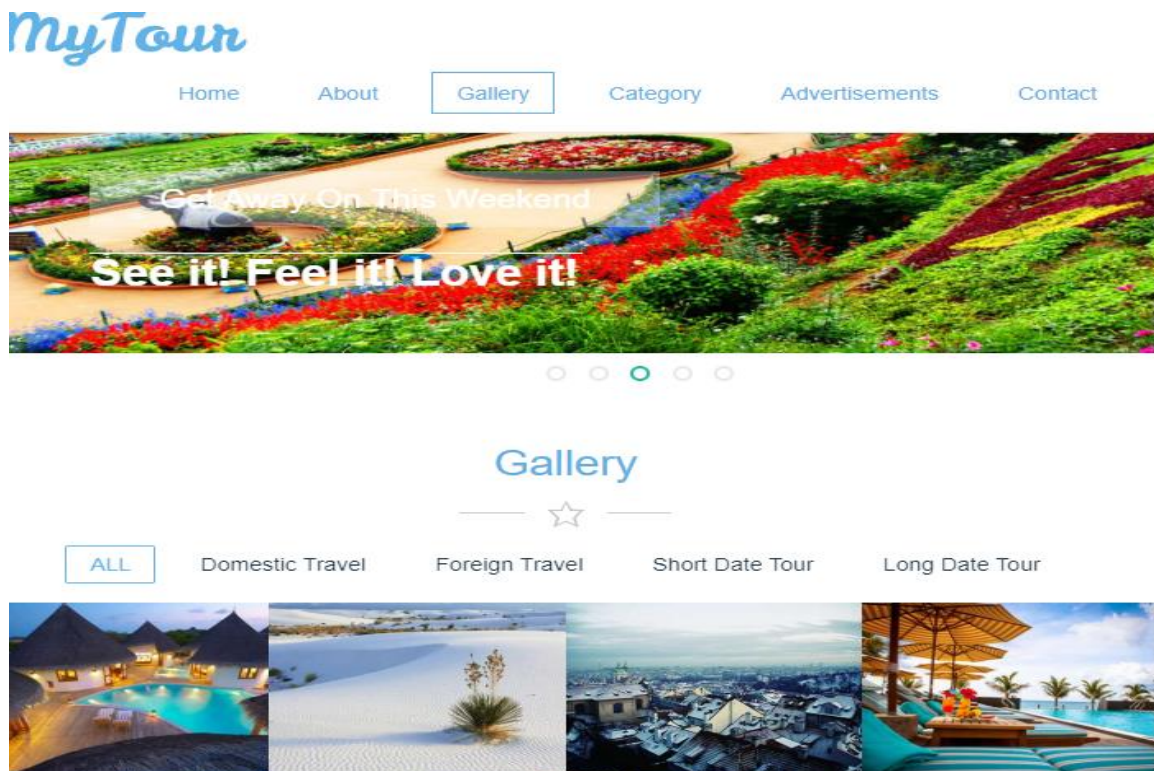


Figure 5.2: Screenshot of homepage

5.3 Footer Page

User can ask question and get answer. They can find out why they can buy from us. Also can see social media link. In figure 5.3 show the Footer page.

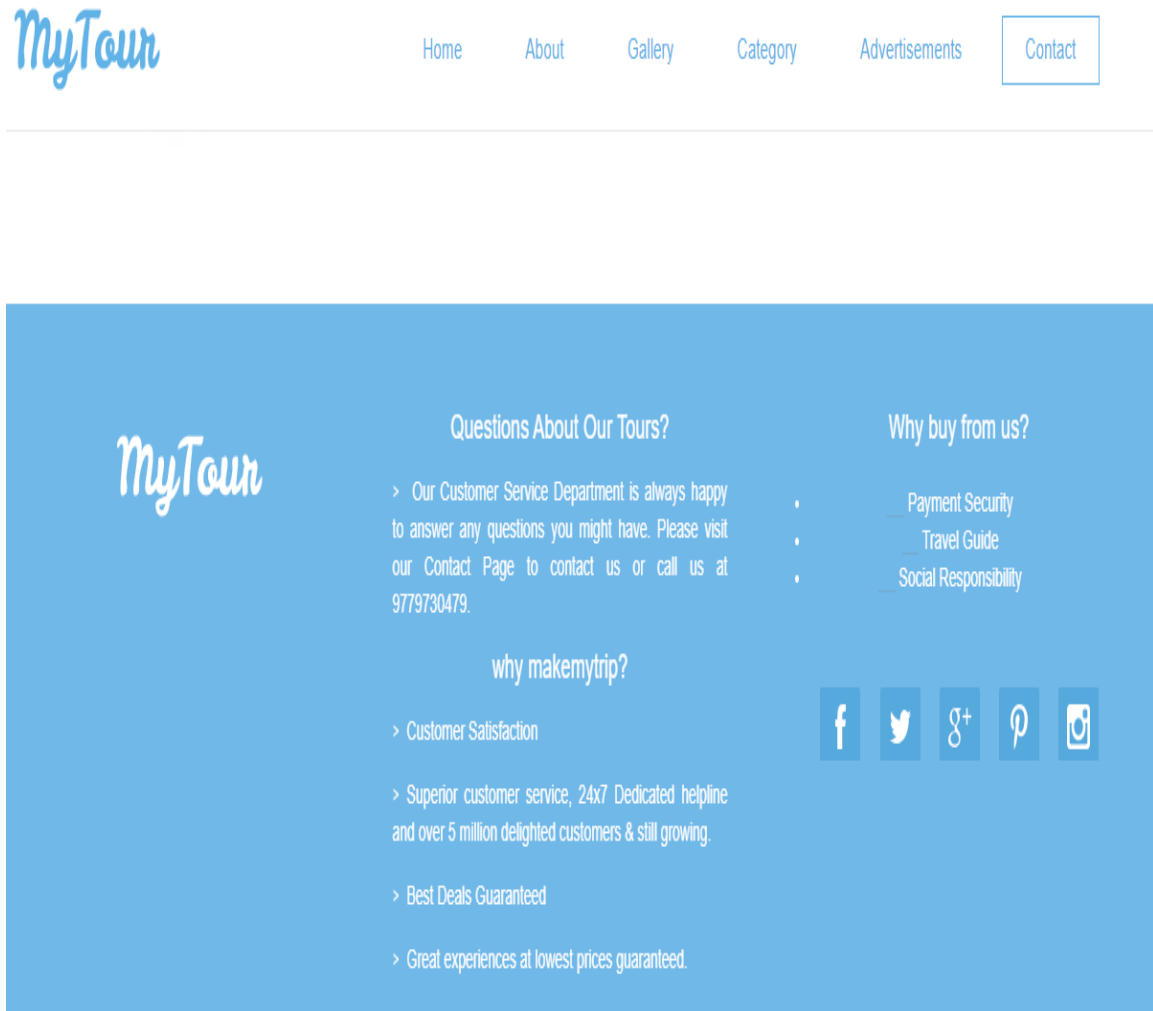


Figure 5.3: Screenshot of footer Page.

5.4 Tour Page

This is the tour page. In this page customer can find his/her holiday destination with their comfortable zone. In figure 5.4 show the tour page.

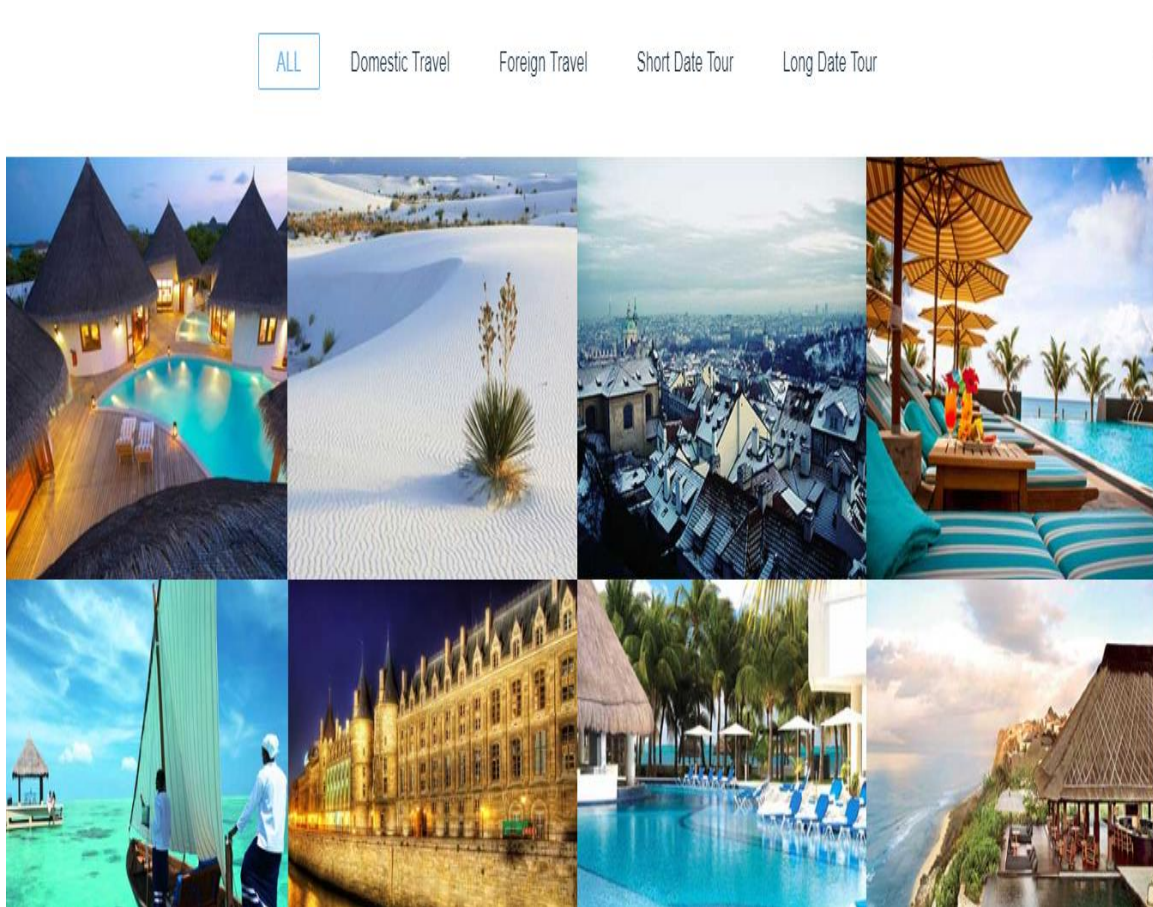


Figure 5.4: Screenshot of tour page

5.5 Category of Tour Page

Here in this page the customer can find category of his/her holiday destination. In figure 5.5 show the Category of tour page.






Figure 5.5: Screenshot of Category of Tour page.

5.6 Details Packages Page

This is details page. In this page customer will find out the details about the selected package. In figure 5.6 show the details package page.

View Packages

Pack Name: Entertainment Themed Vacations



Category: Themed Vacations
Subcategory: Themed Vacations for Singles
Price: 100000

At My Tour we create custom designed entertainment themed vacation packages based on your specific interests making each trip unique. My Tour will give you an idea of the types of packages that could be possible for an entertainment-themed holiday.

[Enquiry](#)

Figure 5.6: Screenshot of Detail Page

5.7 Enquiry & Comment Page

This is the Enquiry & comment section. Here one can comment and give detail information. In figure 5.7 show the Enquiry and Comment page.

Enquiry

Package Id: 22

Pack Name: Entertainment Themed Vacations

Name:

Gender: Male Female

Mobile No.

Email:

No.of Days:

No.of Children:

No.of Adults:

Enquiry Message:

Submit

Figure 5.7: Screenshot of enquiry & comment Page

5.8 User Log in Page

This is the user Login page. User can put his or her name and password they enter. In figure 5.8 show the User login page.

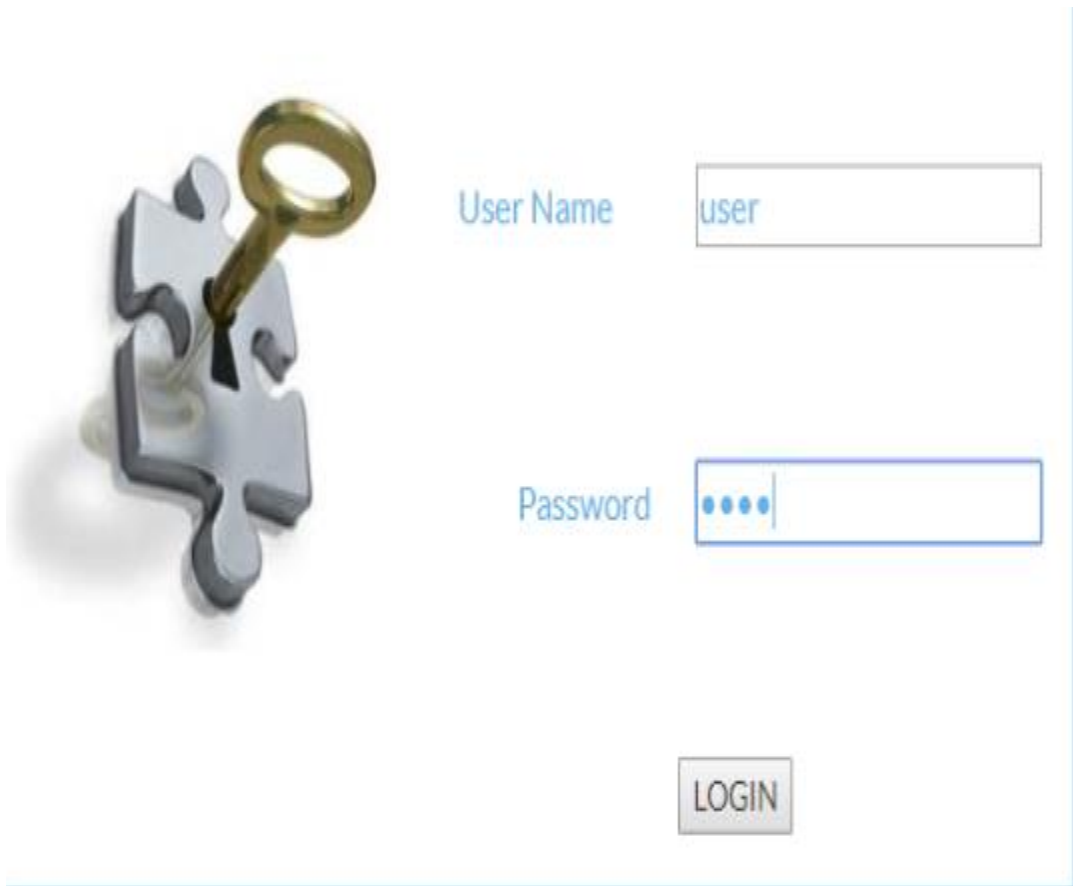


Figure 5.8: Screenshot of Log in Page

5.9 Advertisement Page

This is the page shows the user what type of tour they want. They can choose guide according to that. They can refine their ideas upon the guide's knowledge. In figure 5.9 show Advertisement Page.

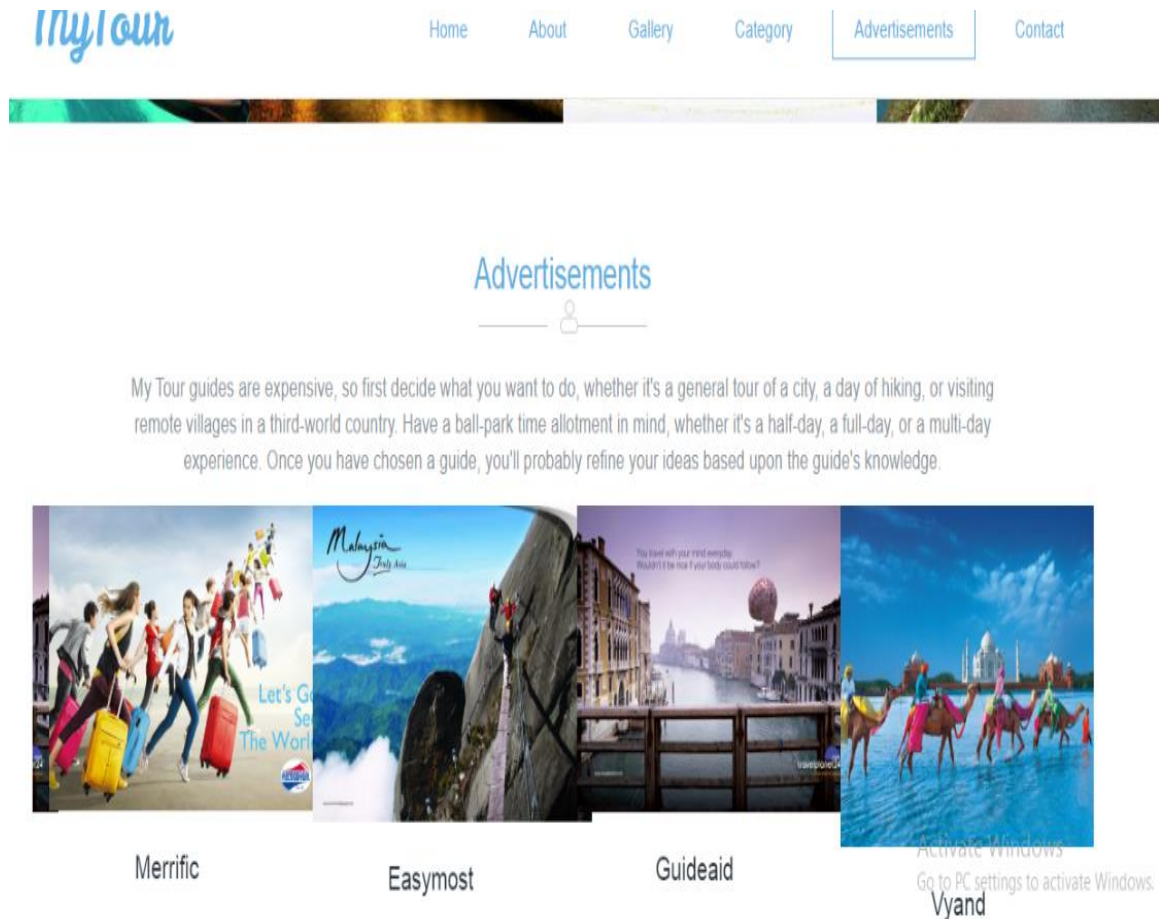


Figure 5.9: Screenshot of Advertisement in Page

5.10 Admin Panel

This is the page of admin panel. Admin can update the site in detail. In figure 5.10 show the Admin Panel page.

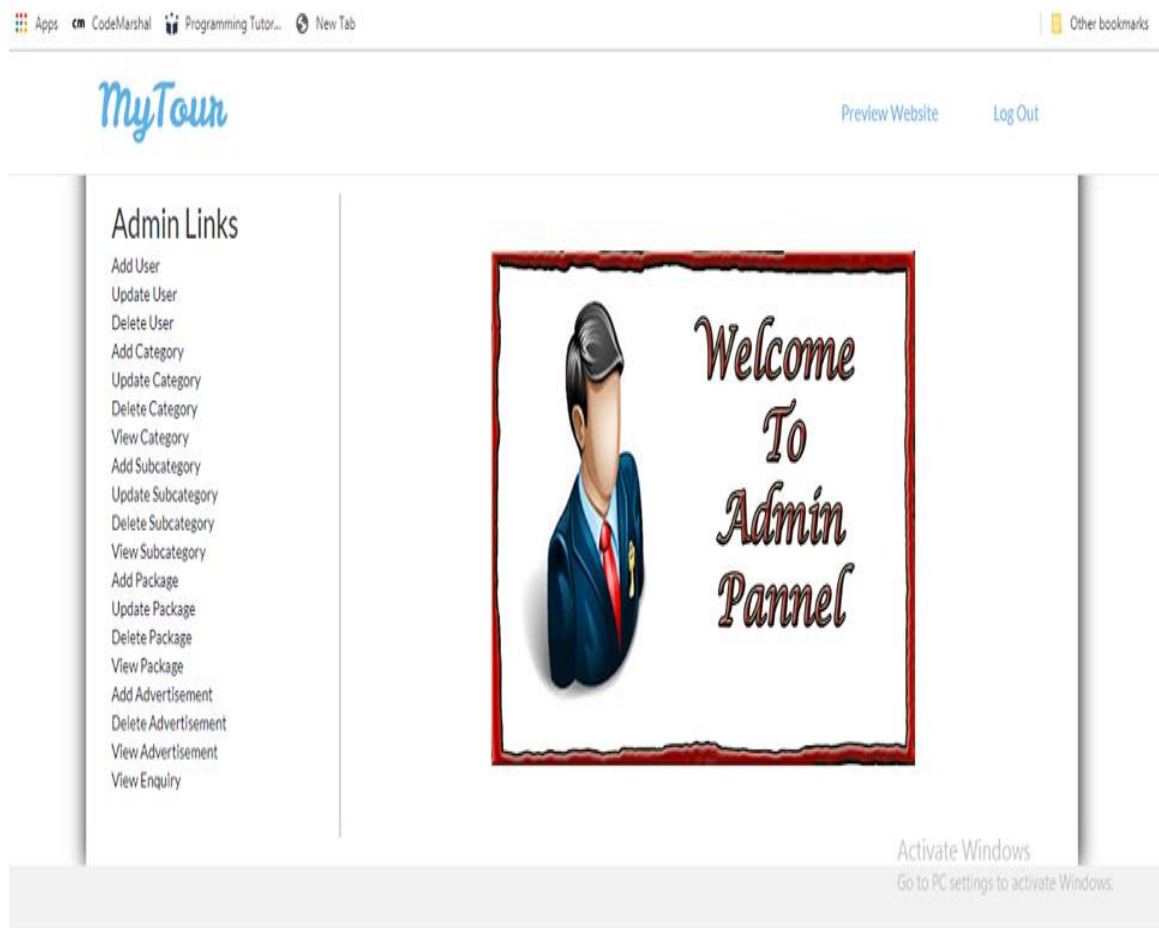
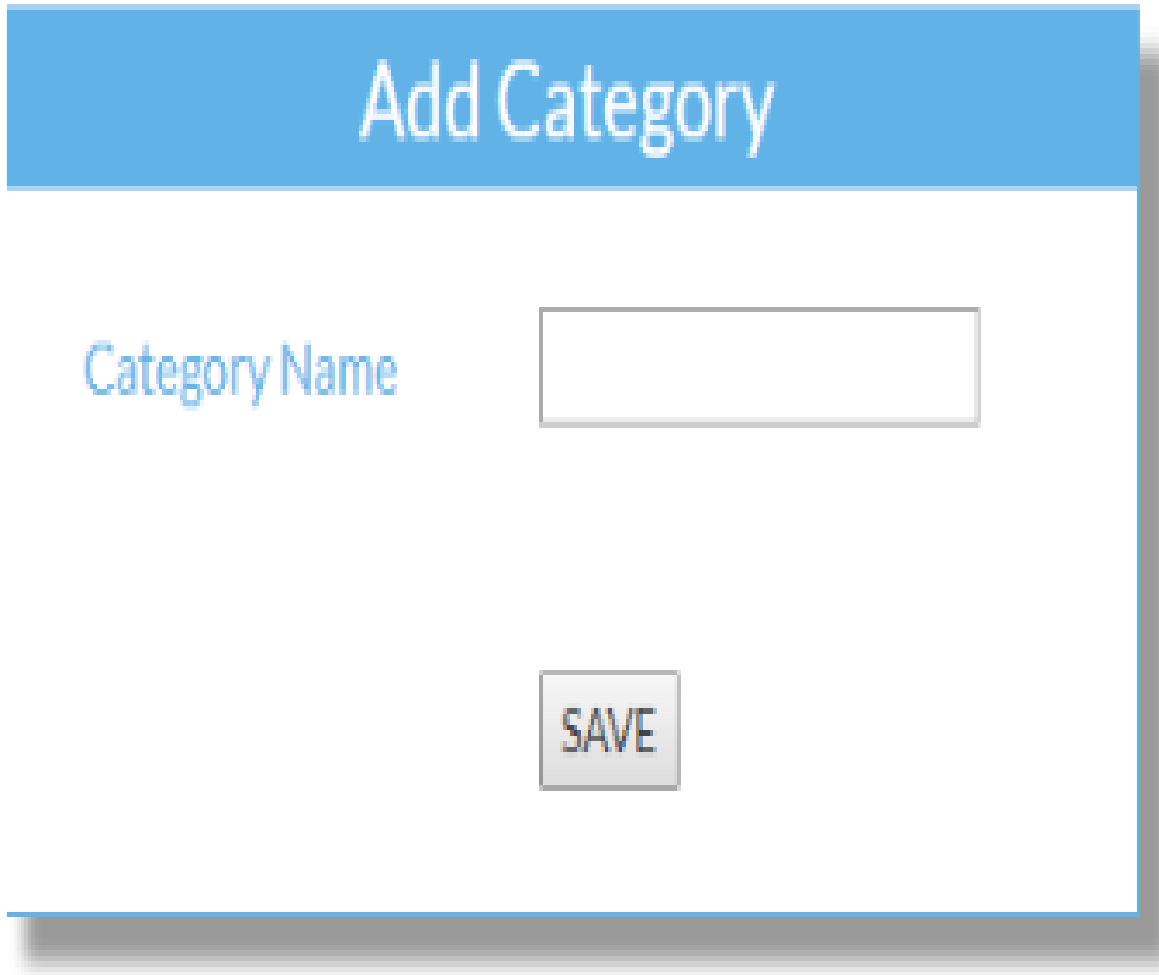


Figure 5.10: Screenshot of Admin Panel Page.

5.11 Add Category Page

This is add category page. Admin can add category. In figure 5.11 show the Add Category page.

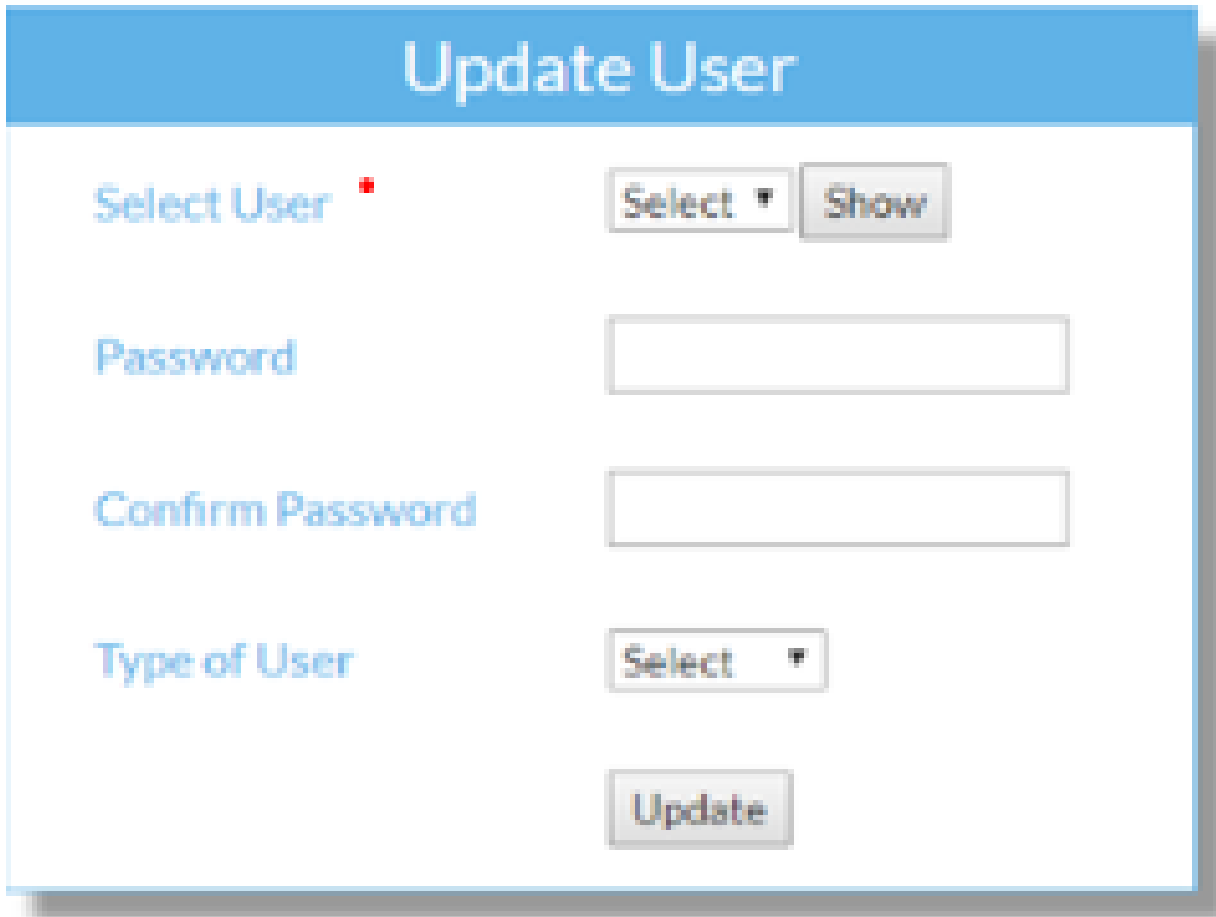


The screenshot shows a web form titled "Add Category". The title is displayed in a blue header bar. Below the header, the label "Category Name" is positioned to the left of a white text input field. Below the input field, there is a grey button with the text "SAVE" in black capital letters.

Figure 5.11: Screenshot of Ad category.

5.12 Update User Page

Admin can update user information. Admin can select user, update password also admin can select type of password from here. In figure 5.12 show the Update user page.



The screenshot displays a web form titled "Update User" with a blue header. The form contains the following elements:

- Select User**: A label with a red asterisk, followed by a "Select" dropdown menu and a "Show" button.
- Password**: A text input field.
- Confirm Password**: A text input field.
- Type of User**: A label followed by a "Select" dropdown menu.
- Update**: A button at the bottom of the form.

Figure 5.12: Screenshot of Update User Page.

5.13 Add Package Page

Admin can add new package from this page. Admin can upload pictures also can provide details. In figure 5.13 show the Add Package page.

The screenshot shows a web form titled "Add Package" with a blue header. The form contains the following elements:

- Package Name:** A text input field.
- Select Category:** A dropdown menu with "Select" as the current value and a "Show" button to the right.
- Select Subcategory:** A dropdown menu with "Select" as the current value.
- Package Price:** A text input field.
- Upload Pic1:** A "Choose File" button followed by the text "No file chosen".
- Upload Pic2:** A "Choose File" button followed by the text "No file chosen".
- Upload Pic3:** A "Choose File" button followed by the text "No file chosen".
- Details:** A large text area for providing additional information.
- SAVE:** A button at the bottom of the form.

Figure 5.13: Screenshot of Add Package Page

5.14 View Package Page

From here admin can view package. Admin can find id, package name, Category and sub Category, Price. In figure 5.14 show the View Package page.

ID	Package Name	Category	Subcategory	Price	Pic1	Pic2	Pic3
2	Agra Family Tour	2	2	10000			
3	Holidays in Italy	1	5	20000			
4	Main attraction in Thailand	1	4	400000			
5	Holidays in Vancouver	1	3	400000			
6	Haridwar	2	6	3000			
7	Tivoli	2	7	500000			
8	Austria Trip	2	8	300000			
9	Canadian Religious Places	2	9	700000			
10	Christian Places in England	2	10	1200000			
11	Christianity Places	2	11	500000			
12	Best of India	7	12	10000			

Figure 5.14: Screenshot of Add Package Page

5.15 Admin Login Page

Admin can log in using this page providing user name and Password. In figure 5.15 show the Admin Login page.



The screenshot displays the Admin Login page. At the top, there is a header banner with a blue 'Login' button on the left and the text 'Admin Log In' in a stylized font on the right. Below the banner, on the left side, is a 3D graphic of a gold key inserted into a grey puzzle piece. To the right of this graphic are two input fields: 'User Name' with the text 'user' and 'Password' with four blue dots. Below these fields is a 'LOGIN' button.

Figure 5.15: Screenshot of Admin Login Page

5.3 Test Results and Reports

Report testing is very important. It allows the way of measuring result. Report test is very important and that will tell you the machine status. There are many kinds of testing. The system will ready if it passes all the test. Here we just include test results

Table 5.1: Test Case

Test case	Test input	Expected outcome	Obtained outcome	Pass/fail
1.Couster login	Login with real information	Successfully login	Successfully login	pass
2.Customer register	Empty all field	Show restriction	Must be filled by data	pass
3.Admin login	Log in with real info	Successfully login	Successfully login	pass
4. Admin login	Login with fake info	Give exact information	Not login	pass
5.Update info	Put value	Successfully update	Successfully update	pass
6.Update info	Value is empty	Field must not empty	Reject	pass
7.Publication	Status published	published	Successfully publish	pass

CHAPTER 6

Conclusion and Future Scope

6.1 Discussion and Conclusion

We hope that our website can fulfill the requirements of users. And also hope that It can reach to all kind of user. We think that our system will be very interesting and helpful for the users. By using our tour management system users will be able to find all the information in quick time. We think our system can affect tourism process.

6.2 Scope for Further Developments

Our system will be updated time to time. We will add more unique features that users will be surprised in future. We know future of tourism will be web based. This section is running high speed. Developers are doing their job to make this sector better. In future we will also add features according to user's demand. Every day new technology is coming for users. So this sector will be competitive. We will use high tools time to time. Our project is well enough to make customer happy. But in future the scope of online based tourism will be more competitive. So we have our plan according to future.

Reference

- [1] Agile modeling, available at << https://en.wikipedia.org/wiki/Agile_modeling >>, last accessed on 1-11-2019 at 6.50pm
- [2] HTML, Wikipedia, available at <<<https://www.w3schools.com/html/default.asp>>>, last accessed on 31-10-2019 at 10.00pm.
- [3] Bootstrap, available at <<<https://www.w3schools.com/bootstrap>>>, last accessed on 30-10-2019 at 11.00pm
- [4] JavaScript, available at<< <https://www.tutorialspoint.com/javascript/index.htm>>.> last accessed on 30-10-2019 at 7.20pm

APPENDICES

These are the files of our project

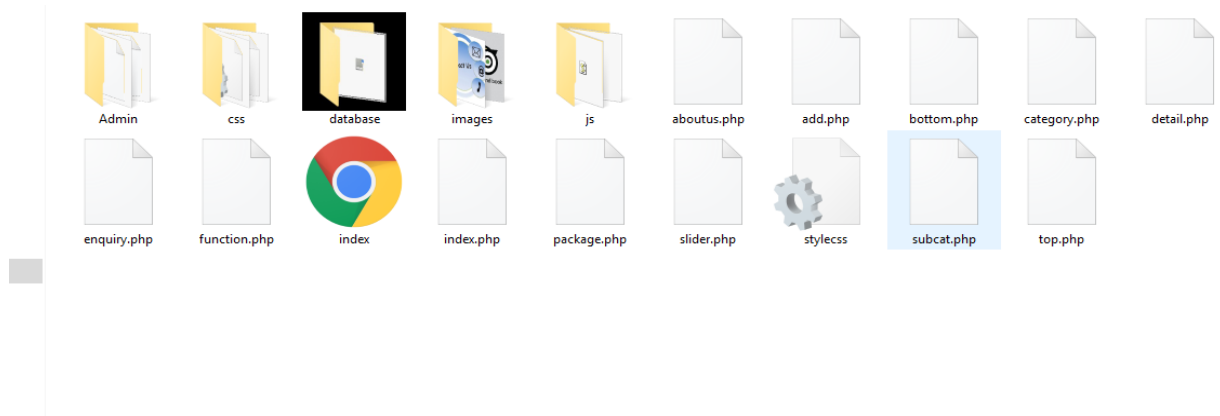


Figure A1

Smart Tour

ORIGINALITY REPORT

19%

SIMILARITY INDEX

6%

INTERNET SOURCES

0%

PUBLICATIONS

19%

STUDENT PAPERS

PRIMARY SOURCES

1	Submitted to Daffodil International University Student Paper	8%
2	Submitted to Open University of Mauritius Student Paper	4%
3	bestcourseracourse.com Internet Source	2%
4	dspace.daffodilvarsity.edu.bd:8080 Internet Source	<1%
5	Submitted to University of Northampton Student Paper	<1%
6	Submitted to Universitat Mannheim Student Paper	<1%
7	www.ros.hw.ac.uk Internet Source	<1%
8	Submitted to University of East London Student Paper	<1%
9	Submitted to Higher Education Commission Pakistan	<1%

Student Paper

10	Submitted to Universiti Utara Malaysia Student Paper	<1 %
11	Submitted to University of Bedfordshire Student Paper	<1 %
12	Submitted to Universiti Malaysia Sabah Student Paper	<1 %
13	Submitted to Southampton Solent University Student Paper	<1 %
14	Submitted to Universiti Teknologi MARA Student Paper	<1 %
15	Submitted to University of Greenwich Student Paper	<1 %
16	dspace.library.daffodilvarsity.edu.bd:8080 Internet Source	<1 %
17	Submitted to Midlands State University Student Paper	<1 %
18	ir.canterbury.ac.nz Internet Source	<1 %

Exclude quotes Off

Exclude matches Off

Exclude bibliography Off