TOUR AND TRAVEL WEBSITE

A project submitted in partial fulfillment of the requirements for the degree of

Master in Computer Application

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GANDHI INSTITUTE FOR EDUCATION & TECHNOLOGY

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ABSTRACT

"TOUR AND TRAVEL WEBSITE" is revealed to provide the best traveling assistance to customers and travel agencies. We have developed travel and tour management systems to render a found stage where tourist can find their tour places according to their likes. This system also helps to promote liable and pleasant tourism so that people can enjoy their vacations at their favorite places. This way also benefits develop tourism with different cultures so that they enrich the tourism experience and build variety. We develop this system to create and improve forms of tourism that provide better cooperation opportunities for tourists and locals and increase a better opinion of different cultures, customs, lifestyles, traditional knowledge, and beliefs.

This system also gives tours-related data like which bus can go to certain places and which aretourist attractions, cities, and provinces. Tourists can also get the Map and exploration systemand can also see other tourist reviews. Tourists can also book tours through our tours with packages and a travels management system.

CERTIFICATE

GANDHI INSTITUTE FOR EDUCATION AND TECHNOLOGY BHUBANESWAR

This is to certify that the work contained in the project entitled "**TOUR AND TRAVEL WEBSITE" by Mr. Abhijit Swain (2105326001) Mr. Abhisek Pradhan (2105326002), Mr. Abinash Nayak (2105326003), Mr. Alok Kumar Nayak (2105326005), Ms. Ankita Patra (2105326007), Mr. Baibhav Nayak (2105326009), Mr. Bharat Bhusan Barik (2105326010), Mr. Binod Kumar Kar(2105326011),** in the department of MCA of GIET Baniatangi has been carried out under my supervision and that this present work has not been submitted elsewhere for a degree.

Prof. Himadri Sekhar Tripathy	**Prof.Satyaranjan Mishra**	**DR. PREMANANDA SAHU**
Project Guide Department of MCA GIET, Baniatangi	HOD Of MCA GIET,Baniatangi	External Guide

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We are grateful to the **Department of MCA, GIET Bhubaneswar**, for providing us the opportunity to execute this project work, which is an integral part of the curriculum in MCA program at Biju Patnaik University of Technology, Rourkela.

We would like to thank our HOD, **Prof. SATYARANJAN MISHRA** for putting continuous effort to make this project a successful one.

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CONTENTS

CHAPTER 1

INTRODUCTION

1.1 Introduction

The Travel and Tourism Management System is a web-based application. The principal goal of the "Travel and Tours Management System" to provide a suitable way for a clientto book hotels and buses for tour purposes. The objective of this venture is to build up a system that automates the methods and actions of a travel firm.

1.2 Motivation

We are inspired and motivated to see various sort of tour websites like TripAdvisor,trip.com, TripBD.com, and expedia.com, etc. And so, on This application upkeep isgetting more costly. To make it's easy to understand and simple with less expense.

1.3 Project Initiation Planning

This project is a consequence of our musings and difficult work. At the absolute starting point, we had a few thoughts for our final project. From those few thoughts, we pick the travel industry area for our project. We had some past data voyaging organizations. Subsequent to talking with the authority and our supervisor we chose to do this specific project. At that point, we began our task. Our supervisor had given appropriate guidance.

1.4 Objective of this project

This project has a few goals. The main destinations are given underneath:

1. To build up a system that gives information identifying specific places.

2.To generally helpful for the travelers having no arrangement concerning the

spots they need to go to.

3.To efficiently access the proper information and make essential travel adaptations.

4.To give client's mastery of the visit, which can work with the new clients to go to the places.

1.5 Expected Outcomes

This System will present to connect directly client and agents within the internet.It provides facilities to change and delete traveler data as well as client data. It implements a feedbacktool for travelers. It stores some social media sections. It gives knowledge about the inbound and outbound tour packages. It provides maintains & controls the database of tourists' information. It provides displays beautiful vacationer places. It gives a kind of travel co-operations that will sure to match all tourist advantages.

CHAPTER 2

BACKGROUND

2.1 Introduction

The Travel and Tourism Management System is a web-based application for travel industry organizations. It's very useful who goes on a trip for this 'Travel and Tourism Management'would act an immediate role in preparing the proper tour. It provides the client with the system to access all the features such as events, places, packages, etc. The goal of the system is to help travelers to go to their favorite places and manage hotels easily. It can be utilized for also used for professional tours also a business. The recommended way sustainsa centralized container to regain data efficiently and to make assured travel transcriptions. Travelers are more attracted to the social heterogeneity of the world. In South Asia, Bangladesh is quite possibly the most excellent nation and there are numerous celebrated traveler places.

2.2 Related to Works

There are some development projects which are associated with the tour and travel sectorlike Travel Agency, Hotel Management, Tourism Management, etc.

Users register, admin login, hotel details, place details, google map, etc. are related to ourprojects from those tour and travel sectors.

Packages details, online bus booking, nearby places, etc. are the unique and main attractionof our project

2.3 Comparative Analysis

Collecting information is a big challenge. Because through this project people will get information of nearby beautiful places, hotels, bus service, all over the country. Data mustbe authentic.

2.4 Scope of the Problem

The screen size of different smart devices is a big issue to develop this project. Sometimeswe face this problem that for different screen size applications cannot

run properly. Somepart of the application is unavailable to the user for different screen size.

2.5 Challenges

Data collection of hotels, places, bus service, e-mail etc. is a big issue. Data of hotel and place like price, proper name, history, etc. and primary health tips like tour packages, security level, etc. The authentication of data is a big factor.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

'Business Process Modeling' is design graphical work process and BPM analyzed the current process, and improve efficiency, activity. Business Process Model (BPM) is analysis by business analysts. Figure 3.1 show the BPM. Given below:

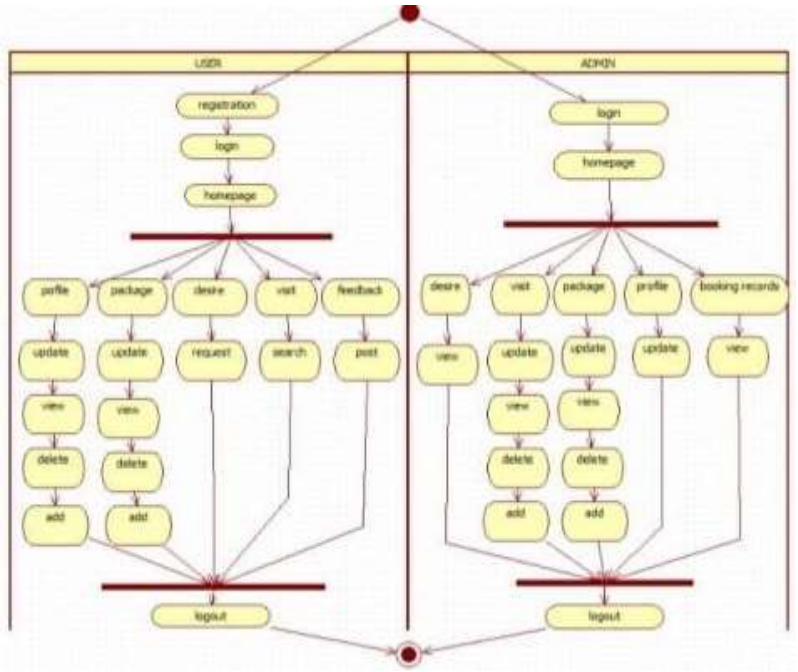

Figure 3.1: Process Modeling

Figure 3.1 is the Process Modelling of the system. It is the graphical design of the system methods or workflows, as a means of recognizing potential developments.

3.2 Use-Case Model and Discussion

To clarify the way better see and functionalities of the system, everybody choose use casediagram. The use case chart is fundamental to chronicle the need of the system fair as to demonstrate functionalities of the system. Use case diagram help to clarify the way the client connects with the system

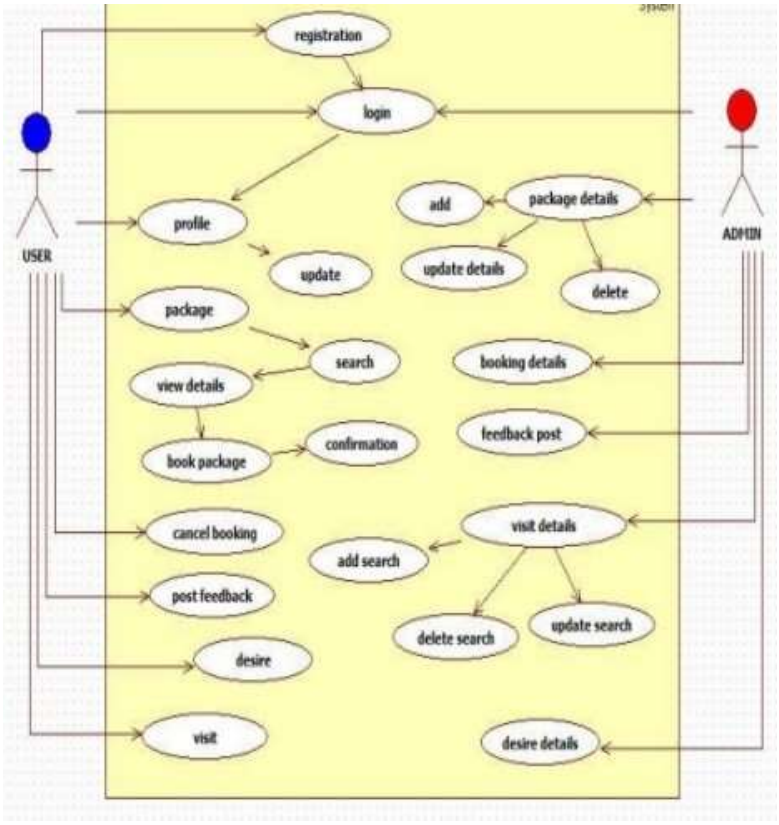

Figure 3.2: Use Case diagram of the system.

Figure 3.2 is the Use Case diagram of the system. In this diagram, we can see that user cancreate an account to booking a hotel where they want go for a tour, and the admin can confirm the booking with valid information of the user.

3.2.1 ER Diagram

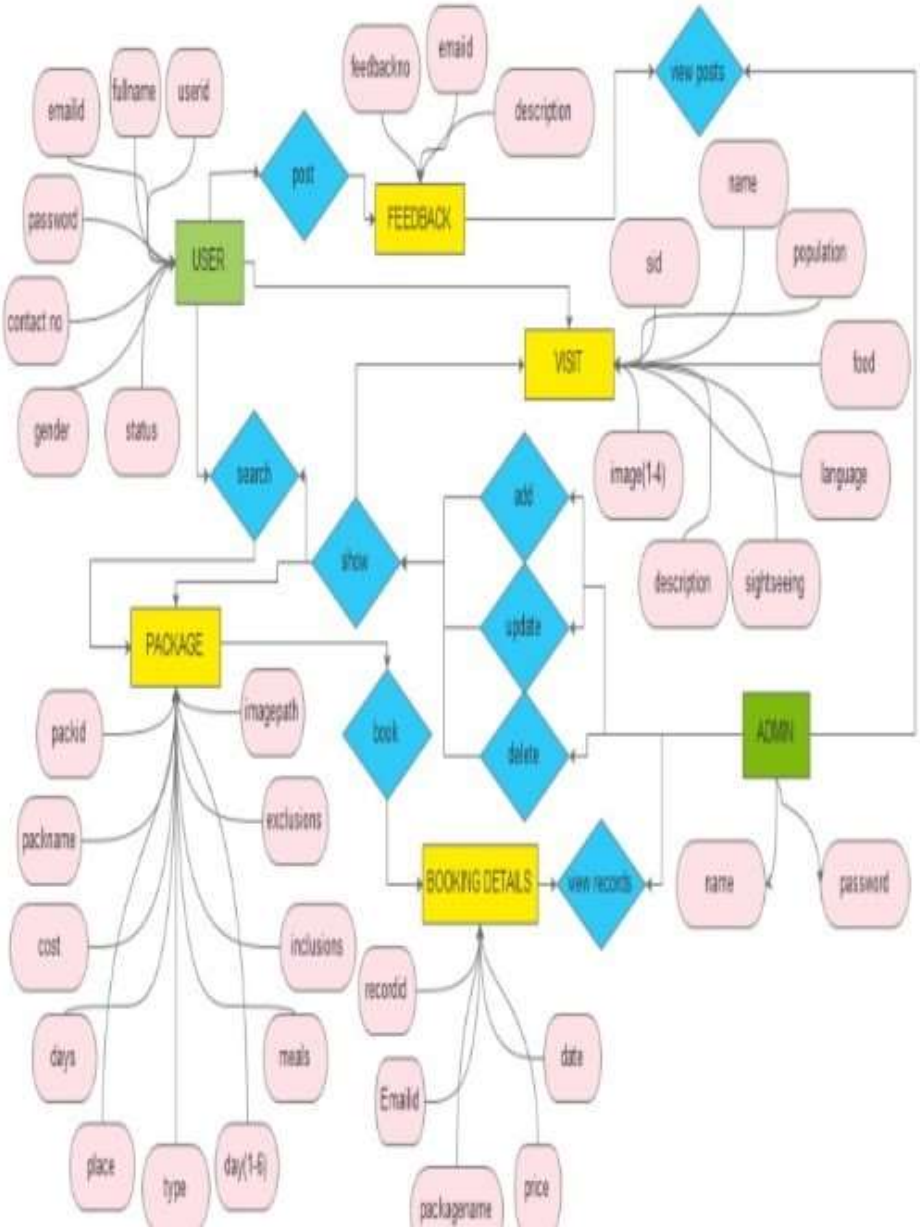

Figure 3.2.1: Entity Relationship Diagram

Figure 3.2.1 is the Entity Relationship Diagram. This model describes interrelated thingsof interest in a specific domain of knowledge.

3.2.2 User Use Case Diagram

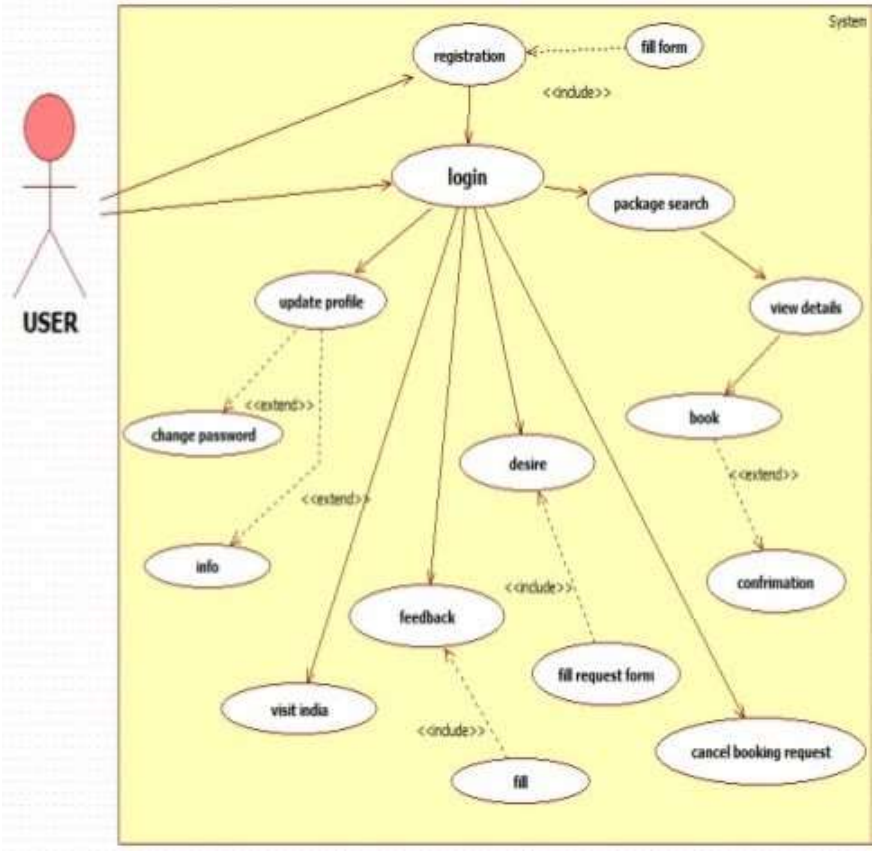

Figure 3.2.2: User Use Case Diagram.

Figure 3.2.2 is the User Use Case Diagram. This diagram is a graphical depiction of a user'spossible relationship with a system.

3.1 Modules

3.1.1 Login Module

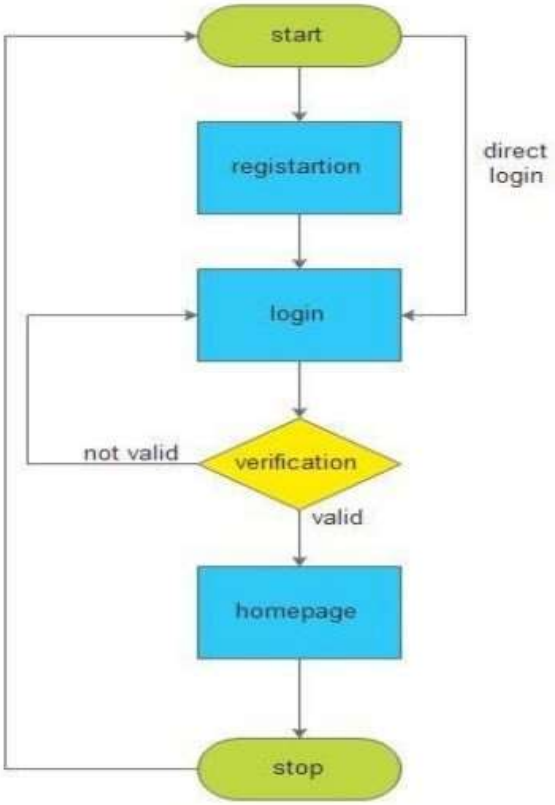

Figure 3.3.1: Login Module.

Figure 3.3.1 is the Login Module. It is a portal module that allows users to type a user name and password to log in. We can add this module on any module tab to allow users to log in to the system. More on creating module tabs.

3.1.1 Packages Booking Module

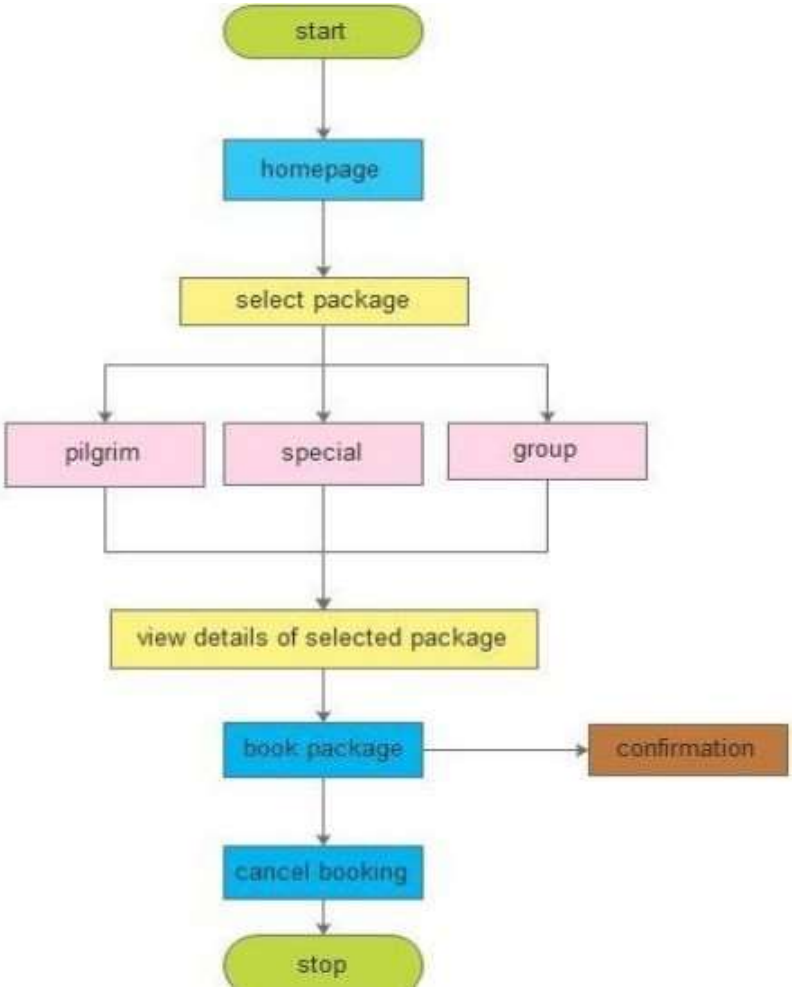

Figure 3.3.2: Packages Booking Module.

Figure 3.3.2 is the Packages Booking Module. It is a portal module that allows users tobooking package and also cancel the booking any time.

3.2.3 Management of User

a. Account Create.

b. Login.

c. Booking or cancel booking.

d. Feedback rights

3.2.4 Administrator Module

It gives administrator-related functionality. By this module, the client can add pathknowledge, bus data, travel packs, places features, etc. Of that module, Admin can surveyevery day, week after week, and month to month reports. The module remains improved for the admin of the website and the administrator can alter, add, erase and see the information identified with places, ventures, courses, appointments from this module.

3.2.5 Package Module

Clients can see diverse visit bundles subtleties accessible for sightseers. Clients can peruseany bundles subtleties and select any bundles from this module.

3.2.6 Creation of Package

The administrator can make packages for client including tour details, price, bus services etc.

3.2.7 Booking of Package

The clients can book the tour packages by selected their favourite places with price and date.

3.2.8 Confirmation/Cancel of Booking

The admin can confirm or cancel the client's tour packages booking.

3.3 Design Requirements

Our whole system was designed based on user requirements analysis. It is one of the mostcritical phases of a development project.

• We build a login page because in our system there is an authentication for the user.

• We have three types of users, Admin, User, and Guest. Admin and registered

users canuse all features but Guests can view only.

• Registered users can book an ambulance and place an order for medicine after logged in. they can also update their profile.

• Guest can view selected sections and also can create a new profile.

In detail planning phase we went through these:

- Analyzed the System
- System creation started
- Oracle Database
- SQL
- Planned which tools and Forms to be used

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

Basically, the front-end design represents the UI. On other hand it also the combination ofthe web design part and the web development part. To make this visible we used HTML, CSS, JavaScript, and Php.

We always tried to keep it more flexible, scalable, and extensible. We also tried to maintainits robustness.

4.1.1 Home page

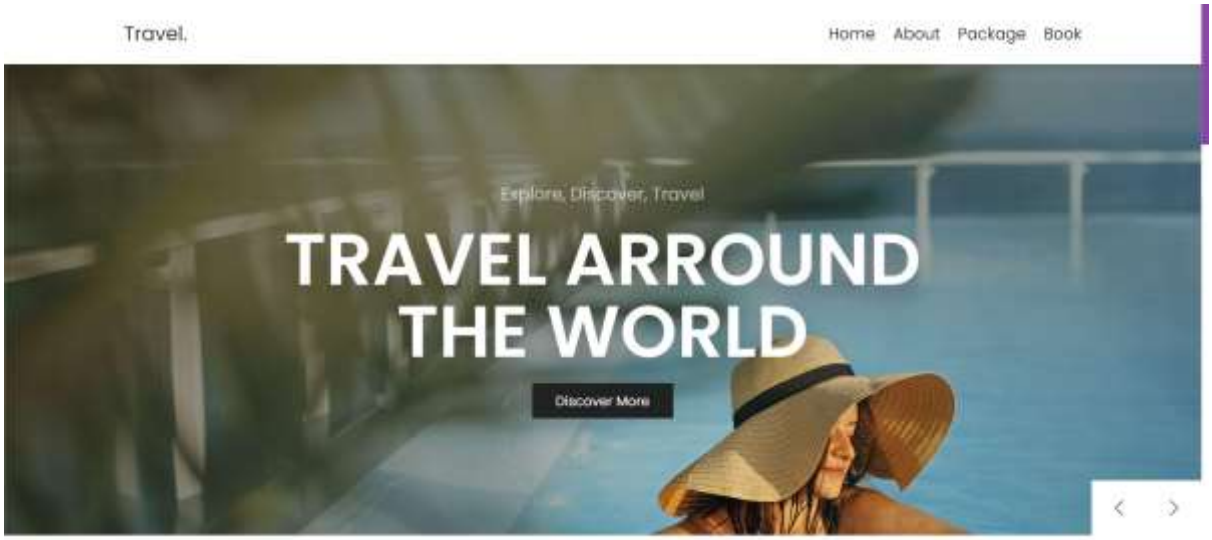

Figure 4.1.1: Home page

Figure 4.1.1 is the home page of our project. We can see that menu bar where home, we can see that menu bar where Home, About, Package Details, Contact Us, etc. exists

4.1.2 Our Service

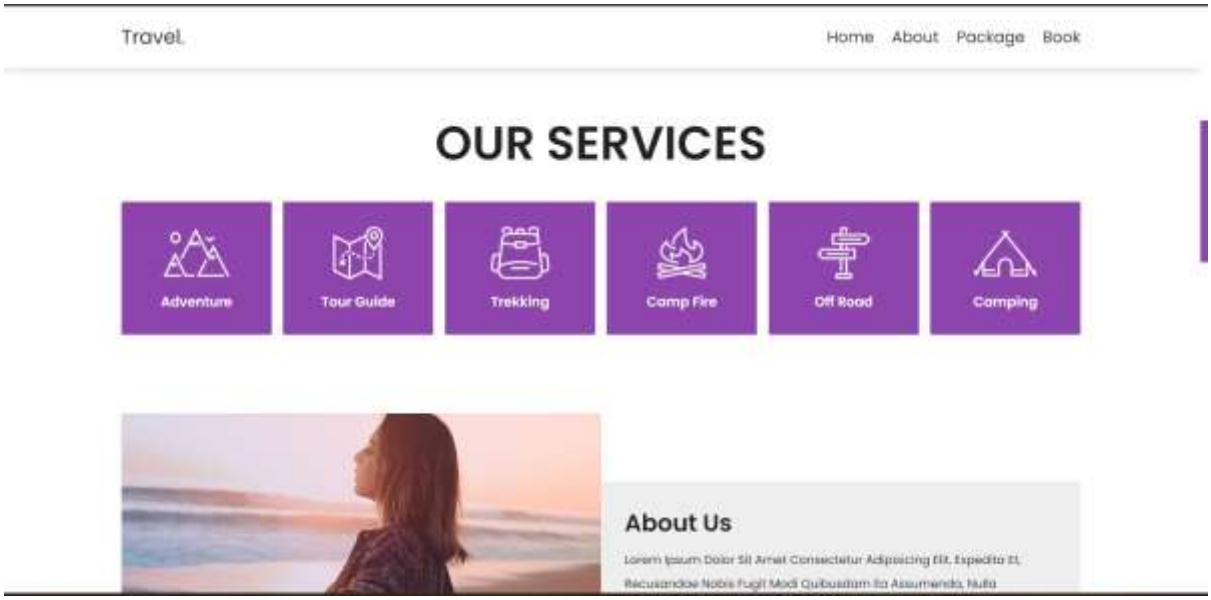

Figure 4.1.1: Home page

Figure 4.1.1 is the our services of our project. We can see that menu bar where home, we can see that menu bar where adventure, tour guide, trekking, camp fire, off road, camping.

CHAPTER-5

TESTING

Testing is very vital for any system to be successfully implemented. The common view is that it is performed to prove that there are no errors in a program. Therefore the most useful and practicalapproach is with the explicit intention of finding the errors. The system is tested experimentally toensure that the software does not fail. The system is run according to its specifications and in the way the user expects. Following testing practices are used. The system will process as normal inputpreparation of test-sample data.

5.1 Unit Testing

Each and every module was intensively tested to check for errors and defects. All possible mistakeswere rectified. Manually code is tested like logical errors.

Once the manual checking is over the compilation has been done. Syntactical error if any has to becorrected.

After the clean compilation of the program, some dummy data as per specifications has been usedfor testing of that module to see if it works as specified.

5.2 Integration Testing

Integration testing uncovers errors that arise when modules are integrated to build the overallsystem.

The purpose of integration testing is to detect any inconsistencies between the software units thatare integrated together (called assemblages)

All the unit tested modules were integrated & the errors that occurred were removed and the overallprogram structure was build as specified by the design.

5.3 System Testing

System testing of software or hardware is testing conducted on a complete, integrated system toevaluate the system's compliance with its specified requirements.

System testing falls within the scope of black box testing, and as such, should require noknowledge of the inner design of the code or logic.

System testing is used to detect defects both within the "inter- assemblages" and also within thesystem as a whole.

5.4 Test Case

Test Case Id	Test Case Name	Test Case Description	Step	Executed Result	Actual	Test Case Status	Priority
Login	Validate login	To verify appropriat e user login	Enter number or special characters	Invalid Username or password	Error Message	Designed	High
Driver Details	Validate fields	To verify all the fields are filed	Leave any field empty	Add & Update button disabled	Button disabled	Designed	Medium
Employee Details	Validate fields	To verify all the fields are filed	Leave any field empty	Add & Update button disabled	Button disabled	Designed	Medium
Conducto r Details	Validate fields	To verify all the fields are filed	Leave any field empty	Add & Update button disabled	Button disabled	Designed	Medium
Reservati on Details	Validate fields	To verify all the fields are filed	Leave any field empty	Add & Update button disabled	Button disabled	Designed	Medium
Cancellati on Details	Validate fields	To verify all the fields are filed	Leave any field empty	Add & Update button disabled	Button disabled	Designed	Medium
Concessi on Details	Validate fields	To verify all the fields are filed	Leave any field empty	Add & Update button disabled	Button disabled	Designed	Medium

Issues to Future Studies

- Logical and technical error will be less found in future.
- System will be more user friendly as compare to today's system.
- System will have more detail information about the different places and other newroutes.
- In the security vision the user name and password authentication is more securethan today's model.
- In the future it will enhanced by providing Tour and Travels ManagementSystem for multiple cities on our websites.
- In future, we will give facility of online donation.
- We will include more functionality as per user require.
- Multiple package can booked by one customer at a time.
- Updated feature should enhanced for all modules.
- Real-time feedback facility available on our website.
- Travels management system will try to serve all expectations.
- Not a single website is ever considering as complete forever firstly because there is always something new requirement also are growing dayby day.
- More facilities will be enhanced in this project, such as:
    - Online payment option.
    - Create Manual package by need of customers.

Conclusion

From the above work it is concluded that the UML modeling is a powerful language used to design for the software study problems. In this paper complete modeling is done for TMS system which is efficient & useful for the software developer to convert the above mode through Object Oriented language. The model is also test by designing a query represented in form of scenario. The present work can also be further extended for company having large database of traveler which can be further streamlined by the use of designing of data cubes model so that search can be faster therefore work can be extended in the field of data mining.

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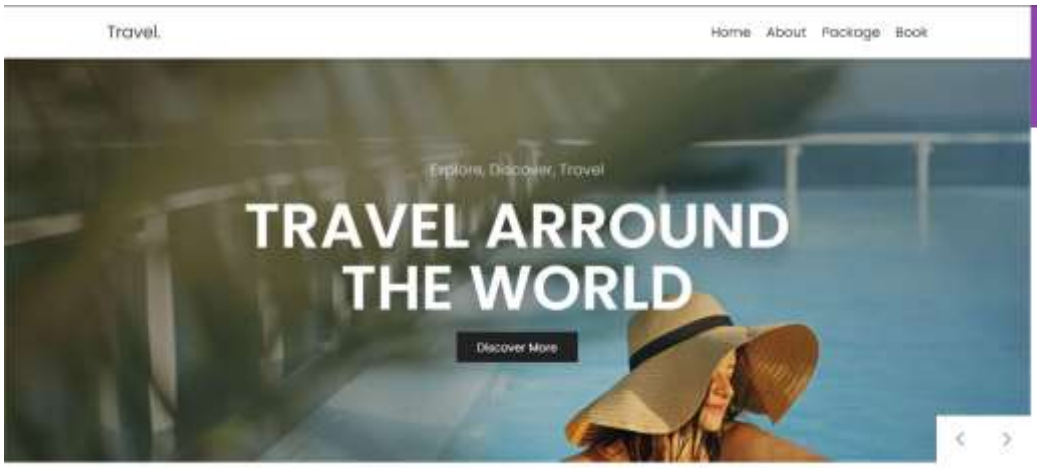
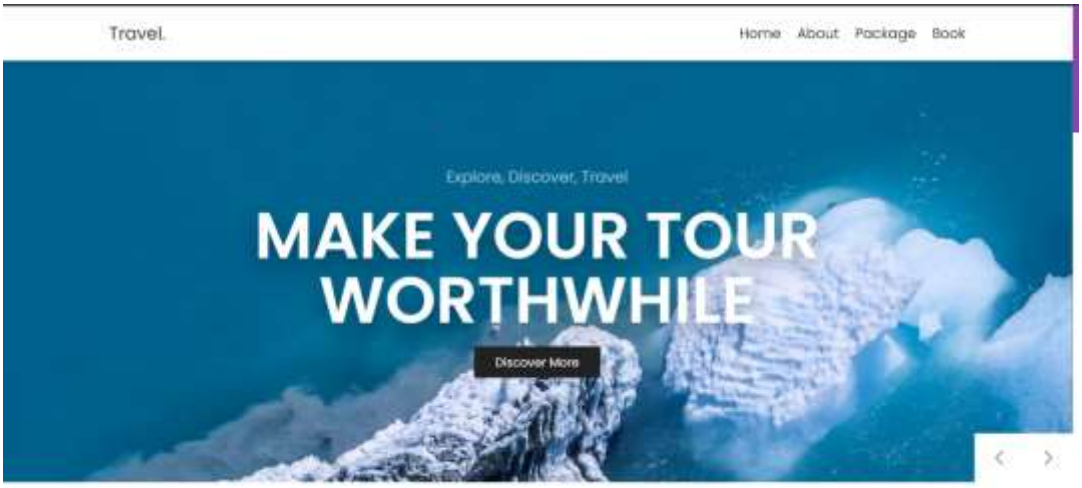
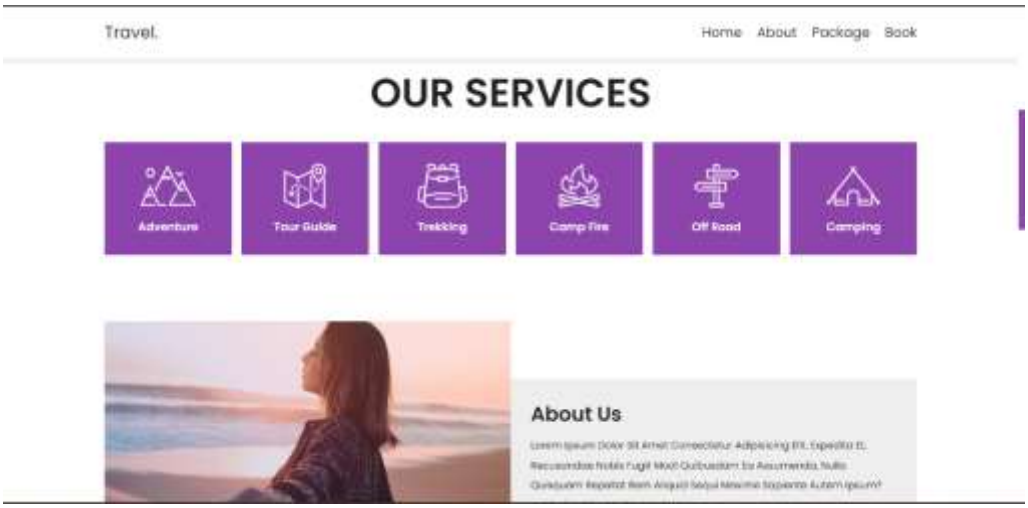
SCREENSORTS

HOME PAGE

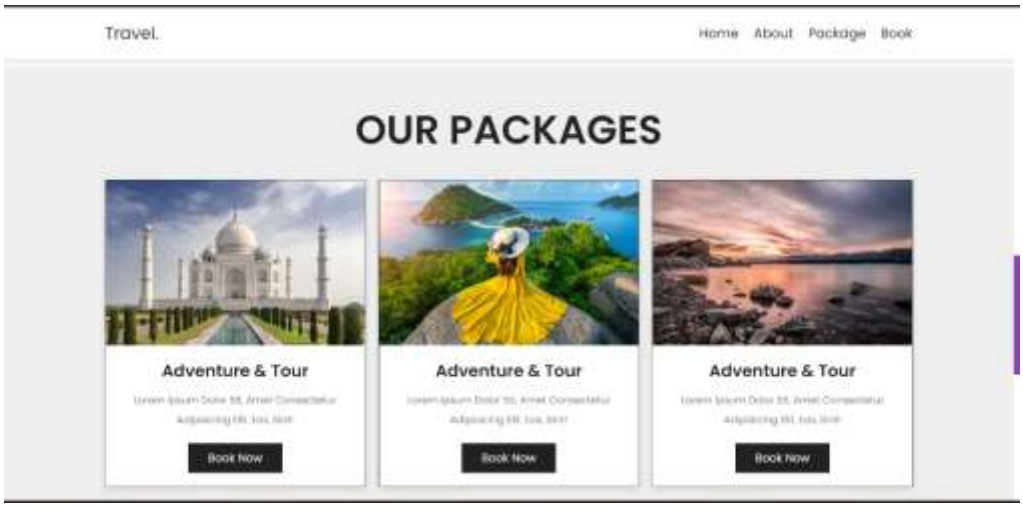




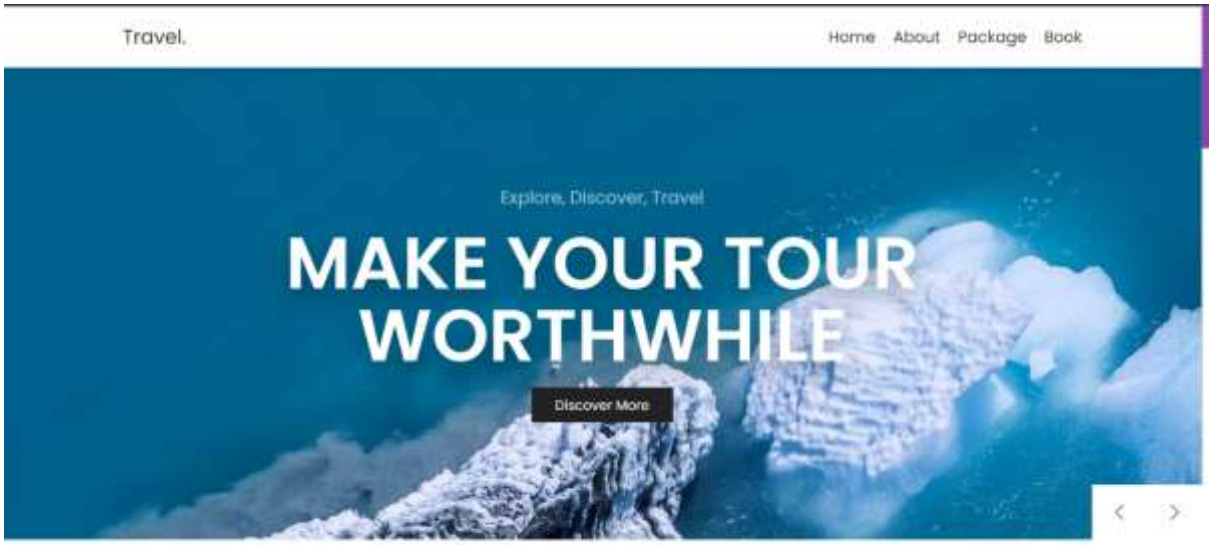
OUR SERVICES



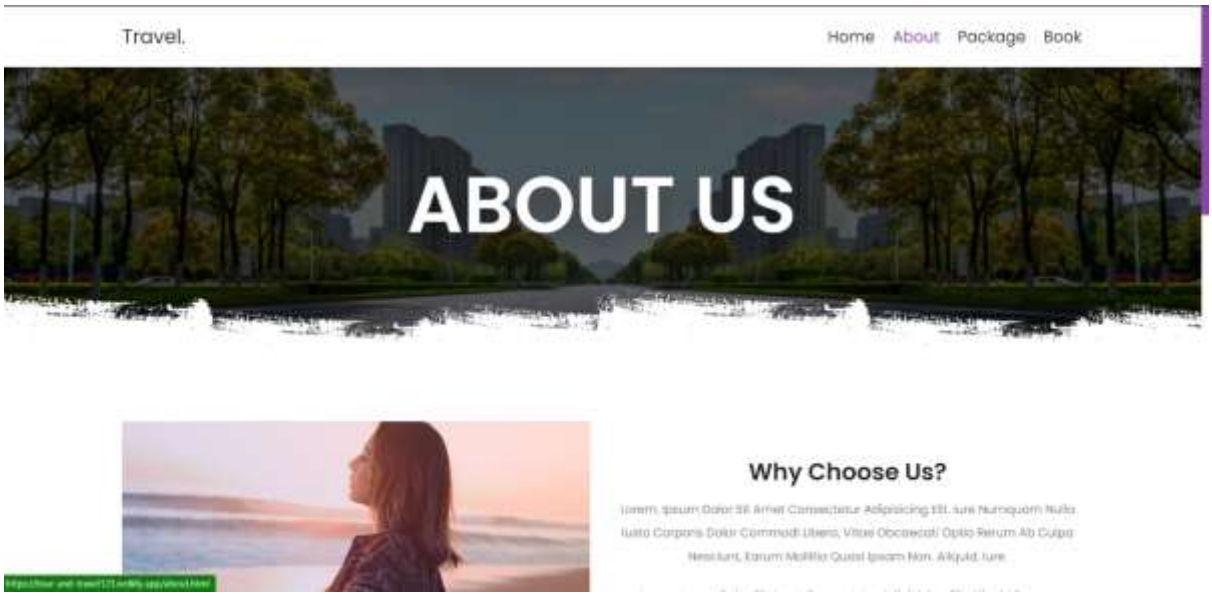
OUR PACKAGES



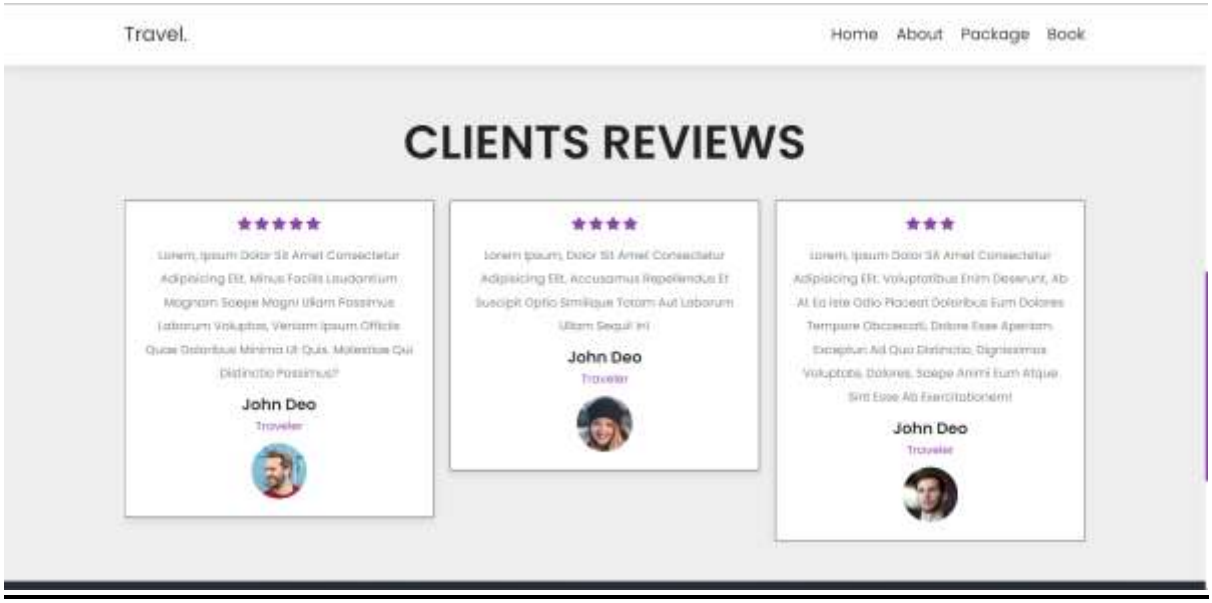
OFFERS



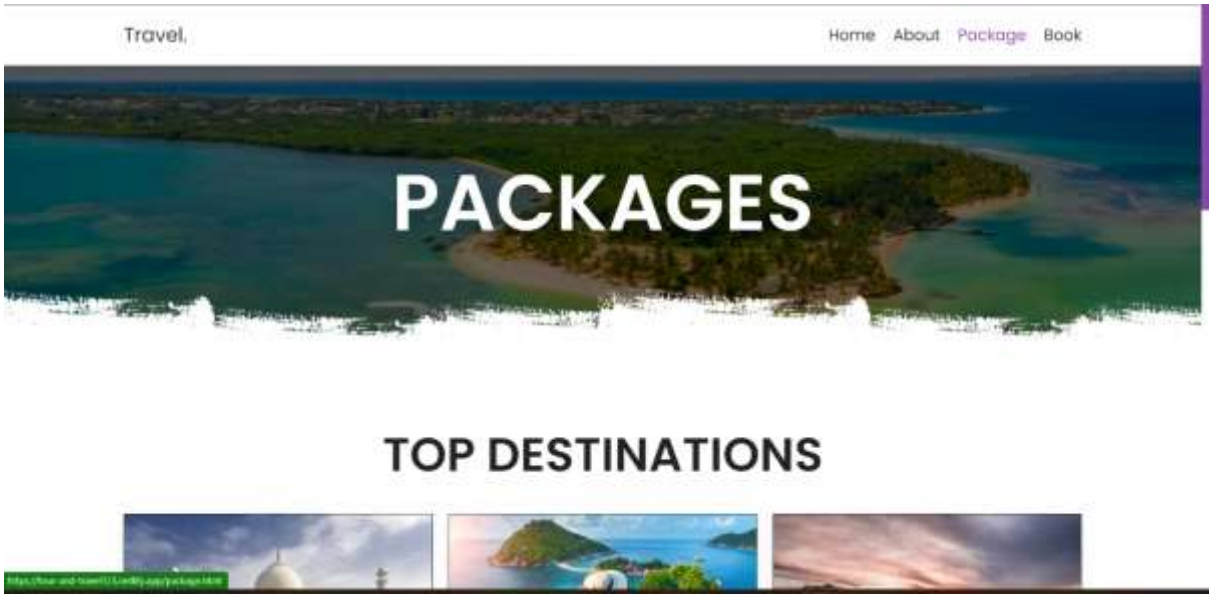
ABOUT



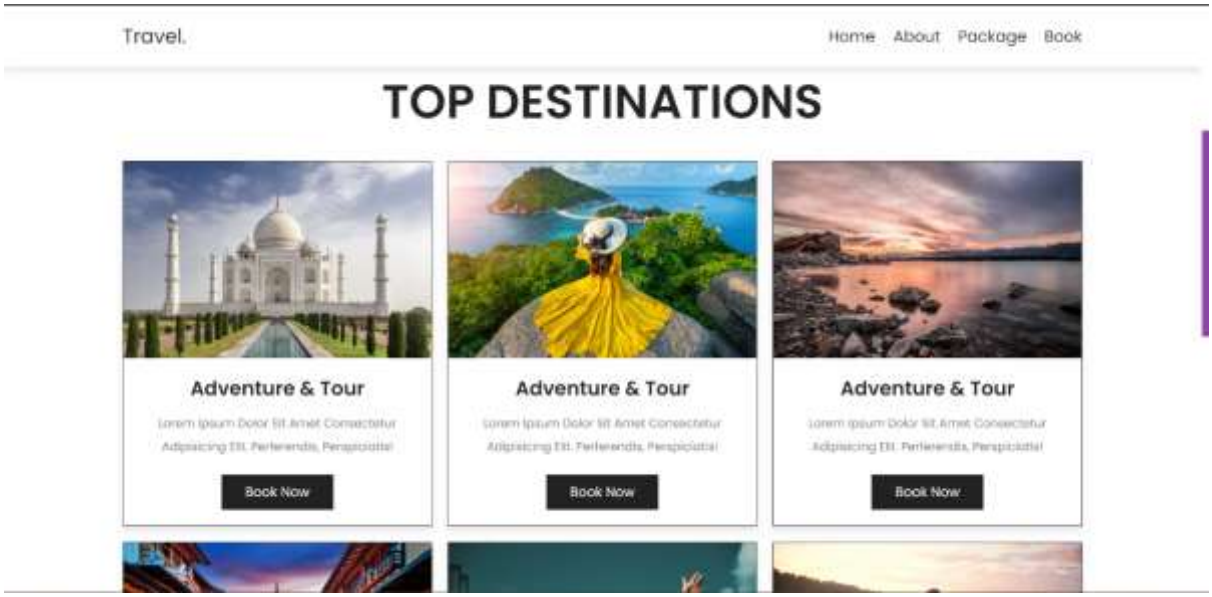
CLIENTS REVIEW

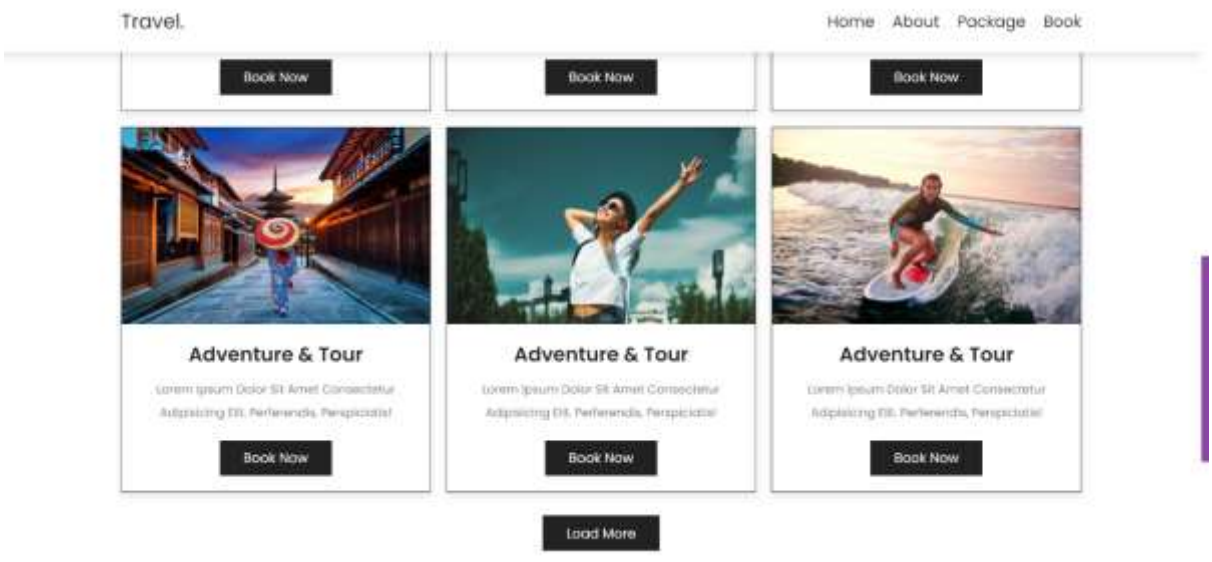


PACKAGES

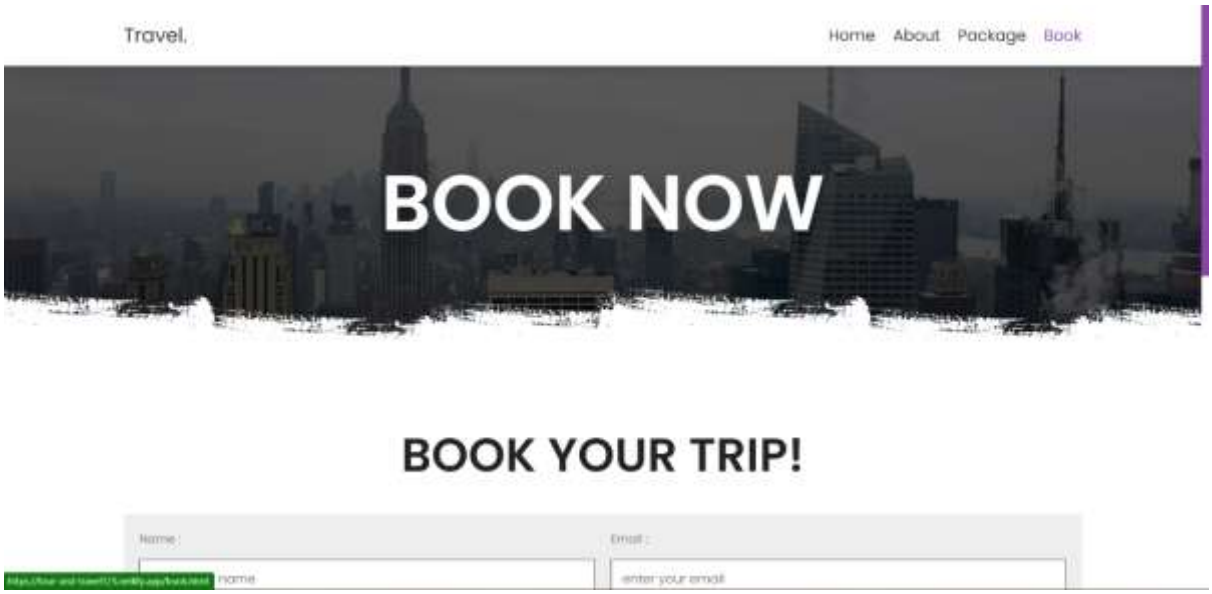


DESTINATIONS





BOOKING


Travel.
Home About Package Book
BOOK NOW
BOOK YOUR TRIP!
Name :
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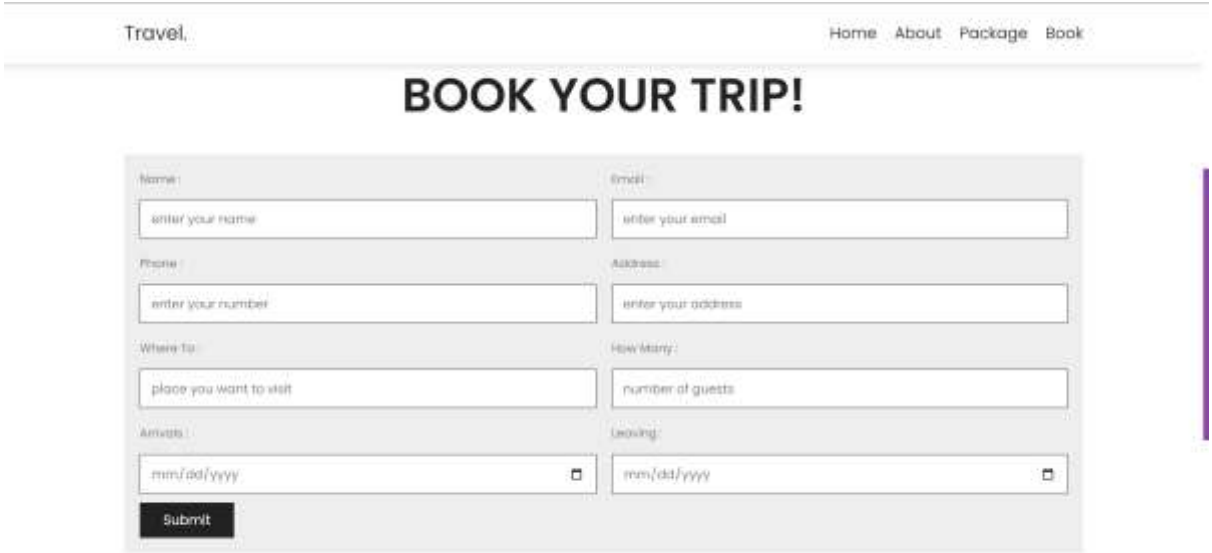
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enter your number
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How Many :
place you want to visit
number of guests
Arrivals :
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