

# ***"TRAVEL AND TOURISM MANAGEMENT SYSTEM"***

**A Project Report Submitted to  
Rajiv Gandhi Proudhyogiki Vishwavidyalaya**



**Towards Partial Fulfillment for the Award of  
Bachelor of Technology  
(Computer Science and Engineering)**

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## **EXAMINER APPROVAL**

The Project entitled ***“Travel And Tourism Management System”*** submitted by **Asit Joshi (0827CS201045), Ayush Choudhary(0827CS201052), Deepakshi Choudhary(0827CS201064), Deependra Singh Parihar(0827CS201065)** has been examined and is hereby approved towards partial fulfillment for the award of ***Bachelor of Technology degree in Computer Science*** discipline, for which it has been submitted. It is understood that by this approval the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the project only for the purpose for which it has been submitted.

**(Internal Examiner)**

**Date:**

**(External Examiner)**

**Date:**

## **GUIDE RECOMMENDATION**

This is to certify that the work embodied in this project entitled “*Travel And Tourism Management System*” submitted by **Asit Joshi (0827CS201045)**, **Ayush Choudhary(0827CS201052)**, **Deepakshi Choudhary(0827CS201064)**, **Deependra Singh Parihar(0827CS201065)** is a satisfactory account of the bonafide work done under the supervision of **Dr. Kamal Kumar Sethi**, is recommended towards partial fulfillment for the award of the Bachelor of Engineering (Computer Science) degree by Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal.

**(Project Guide)**

**(Project Coordinator)**

## **STUDENTS UNDERTAKING**

This is to certify that project entitled ***“Travel And Tourism Management System”*** has developed by us under the supervision of ***Dr. Kamal Kumar Sethi***. The whole responsibility of work done in this project is ours. The sole intension of this work is only for practical learning and research.

We further declare that to the best of our knowledge, this report does not contain any part of any work which has been submitted for the award of any degree either in this University or in any other University / Deemed University without proper citation and if the same work found then we are liable for explanation to this.

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## **Acknowledgement**

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We thank the almighty Lord for giving me the strength and courage to sail out through the tough and reach on shore safely.

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We owe a debt of sincere gratitude, deep sense of reverence and respect to our guide and mentor **Dr. Kamal Kumar Sethi**, Professor, AITR, Indore for his motivation, sagacious guidance, constant encouragement, vigilant supervision and valuable critical appreciation throughout this project work, which helped us to successfully complete the project on time.

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We are grateful to **our parent** and **family members** who have always loved and supported us unconditionally. To all of them, we want to say “Thank you”, for being the best family that one could ever have and without whom none of this would have been possible.

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**Deepakshi Choudhary(0827CS201064)**

**Deependra Singh Parihar(0827CS201065)**

## **Executive Summary**

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### ***Travel And Tourism Management System***

This project is submitted to Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal(MP), India for partial fulfillment of Bachelor of Engineering in Information Technology branch under the sagacious guidance and vigilant supervision of Dr. Kamal Kumar Sethi.

The project is based on travel and tourism website, which is used to automate all the processes of travel and tourism, and it deals with creation, booking and confirmation and user details. In the project, PHP is used which is a server scripting language, and a powerful tool for making dynamic and interactive webpages. The purpose of this project is to develop a system using which one can perform all the operations related to travelling and can get packages at affordable price.

**Keywords:** automate, scripting, dynamic

*“Travel makes  
you realize that  
no matter how  
much you know,  
there’s always  
more to learn.”*

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# Chapter 1 . Introduction

## Introduction

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Tourism is vital for the success of many economies around the world. Tourism boosts the revenue of the economy, creates thousands of jobs, develops the infrastructures of a country, and plants a sense of cultural exchange between foreigners and citizens.

Tourism is the largest and fastest-growing industry across the world. It gives the opportunity for people to understand the culture, civilization, and religious aspects of a country. Travel and tourism management system is used to book a tour from anywhere in the world by a single dynamic website which will help the user to know all about the places and tour details in a single website.

### 1.1 Overview

With Travel and Tourism becoming an important area of activity, there is a need of management systems which organize things in proper manner. The project will be covering this part and is a dynamic in nature.

A system is made in such a way that The admin can add packages to the website from a certain travel agents and hotels by create a tour page. Then the users can sign in and book each project, they can be confirmed by the admin in their manage booking page. The user can see the confirmation in their my booking page. It is a easiest platform for all travelers which can be easily booked and know the all details.

### 1.2 Background and Motivation

People have always had a need to travel, be it to explore and discover new lands or for our own enjoyment. Tourism covers precisely the latter. The tourism sector suffered a recession during the 1970s, mainly due to the energy crisis, leading to lower costs and prices. That's when mass tourism emerged. Travelling went from being something only for an exclusive group to become a leisure activity within the reach of many. In the following decades, there was a progressive internationalisation of hotel companies, travel agencies and airlines.

Today, the tourism sector has become one of the great economic engines in many countries, forming part of the international political agenda. Tourism not only impacts the local economy, but it is also starting to affect the social structures, culture and lifestyle of the destinations visited. Therefore, the motivation behind it is to provide solutions by developing a tourism awareness that is respectful with the environment and the local way of living of its inhabitants.

### **1.3 Problem Statement and Objectives**

India is a country where in a few days holiday, you can enjoy a lot. The problem is that we although have many websites but they offer different kinds of services. The customers are enjoying a lot but there is a lack of connection between travel agency and customers and hence we are establishing that relationship by booking, managing and confirming the packages.

The objective is to offer a variety of travel services and packages so that may fulfill the needs of the customers. The purpose is to develop a system using which one can perform all the operations related to travelling. It is a easiest platform for all travellers which can be easily booked and know the all details and management system organize things in well-designed manner and to make strong relationship with customers so that they can enjoy the holiday of their dreams. Our project is just an initiative. It will be made to more further and developed work of art.

### **1.4 Scope of the Project**

The growth in the tourism industry has increased the lucrative career opportunities because it solely depends on human resources. It is also the highest-earning source for foreign exchange across the globe, and it includes everything from government to private departments. Tourism Management is all about travel, and tourism planning for tours as per the customer's interest. It involves accommodation, transportation, food, events, conferences, and other trade-related activities.

This application can be easily implemented under various situations, we can add new features when we require. We can improve or customize pages as it attracts the user.

## 1.5 Team Organization

- **Asit Joshi:** I worked on frontend of the project , made the html templates and did styling of the website , and also applied javascript. I also worked on some of the backend work.
- **Ayush Choudhary:** I also worked on frontend of project ,and did styling of the webpages and also helped in debugging the code and helped in documentation work too.
- **Deepakshi Choudhary:**  
Along with doing preliminary investigation and understanding the limitations of current system, I studied about the topic and its scope and surveyed various research papers related to the tourism management system and the technology that is to be used. Documentation is also a part of the work done by me in this project. Also, worked on backend and studied about it.
- **Deependra Singh Parihar:**  
I investigated and found the right technology and studied in deep about it. Implementation logic for the project objective and coding of internal functionalities are done by me. Also , worked on backend design for storing results in database for maintaining logs. Some part of the documentation was also done by me.

## 1.6 Report Structure

The project ***Travel and Tourism Management System*** is primarily concerned with the **management and bookings of packages** and whole project report is categorized into five chapters.

Chapter 1: Introduction- introduces the background of the problem followed by rationale for the project undertaken. The chapter describes the objectives, scope and applications of the project. Further, the chapter gives the details of team members and their contribution in development of project which is then subsequently ended with report outline.

Chapter 2: Review of Literature- explores the work done in the area of Project undertaken and discusses the limitations of existing system and highlights the issues and challenges of project area. The chapter finally ends up with the

requirement identification for present project work based on findings drawn from reviewed literature and end user interactions.

Chapter 3: Proposed System - starts with the project proposal based on requirement identified, followed by benefits of the project. The chapter also illustrate software engineering paradigm used along with different design representation. The chapter also includes block diagram and details of major modules of the project. Chapter also gives insights of different type of feasibility study carried out for the project undertaken. Later it gives details of the different deployment requirements for the developed project.

Chapter 4: Implementation - includes the details of different Technology/ Techniques/ Tools/ Programming Languages used in developing the Project. The chapter also includes the different user interface designed in project along with their functionality. Further it discuss the experiment results along with testing of the project. The chapter ends with evaluation of project on different parameters like accuracy and efficiency.

Chapter 5: Conclusion - Concludes with objective wise analysis of results and limitation of present work which is then followed by suggestions and recommendations for further improvement.



## Chapter 2 . Review of Literature

### Review of Literature

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For years, tourism has been a big job generator. Because the industry is so varied and includes jobs like pilots, hotel workers, travel guides, and more, it can be hard to estimate exactly how many, but it's a lot. Tourism can be defined as travelling to a place which is different from your home city or country for various leisure or business purposes, and staying there for some considerable period of time at a length. Tourism becomes an activity which builds the base for the wide scale consumption bringing far reaching benefits. Tourism gains importance as an activity which has far reaching positive impacts on industries, economy, society and therefore for the whole growth, progress and development of a country. The definition of tourism also creates the foundation and the broad context of the tourism industry through which most of the advantages and benefits are received by the country as a whole.

### 2.1 Preliminary Investigation

#### 2.1.1 Current System and Its Limitations

##### 1. MAKE MY TRIP:

Make My Trip is an Indian online travel company provides online travel services including airline tickets, domestic and international holiday packages, hotel reservations, rail, and bus tickets.

Merits: Make My Trip route planner provides all the basic required information on more than 10 lakhs (1 million) routes in India. Make My Trip also offer metro train tickets for Hyderabad Metro.

Demerits: There should be all type of hotels for the user to select i.e. affordable hotels should also be available for bookings. So that the traveler gets all the possible options.

Reference link: <https://www.makemytrip.com>

##### 2. THOMAS COOK (INDIA):

Thomas Cook (India) is an Indian travel agency, providing travel services including Foreign Exchange, International and Domestic Holidays, Visa, Passport, Travel Insurance.

Thomas Cook has many ventures including the world's package tour, trekking packages, Thomas cook specials, etc.

Merits: They provide various planned trips in many places which include national and international packages.

Demerits: This site offer customized holidays but they are way expensive and we are concerned with these costly stays and trips. The main issue is not the cost but options, this site provide us budget option too but the sarting budget is upto 30,000 and which is very costly for a middle class person who wishes to plan a holiday trip.

Reference link: <https://www.thomascook.in>

### **3. YATRA:**

Yatra is a Gurgaon based online travel company. It offers destination, experience, and activity-based tour packages. Users who are planning a holiday can fill in details on the website or call the customer care to get a free quote for a customized trip.

Merits: Yatra.com aims to be the one stop travel shop for India's travelers. While their products cater to all segments of the Indian market and have also developed a psychometric profile of the Yatra Customer.

Demerits: They can charge commission on every sale. This can range between 10-20 per cent of the gross cost. There may be restrictive terms and conditions imposed by OTAs such as guest cancellation and automatic room reselling policies.

Reference link: <https://www.yatra.com/>

### **4. TOUR MY INDIA:**

Tour My India is a Noida-based company that offers tour packages all over the country. It is associated with the Indian Association of Tour Operators (IATO) and the Indian Mountaineering Foundation.

Merits: This company offers heritage tours, cultural tours, educational tours, MICE, and special interest tours. The services they offer include pick up and drop, multilingual guide services, accommodation, transportation, transfers, sightseeing trips, and also arrange tickets for special events on request.

Demerits: Not as much time to explore independently. Organized tours can be more expensive than choosing to arrange everything yourself, taking public transport everywhere and traveling without a guide.

Reference link: <https://www.tourmyindia.com/>

## 5. INCREDIBLE INDIA:

The Incredible India campaign was launched by Ministry of Tourism to promote India as a world-class tourist destination. This website has information regarding the top destinations in India. Tourists can choose tour packages based on the experience that they wish to have such as Spiritual, Adventure, Art, Yoga and Wellness, Shopping, Museums in India, Heritage Sites, Luxury, Food and Cuisine.

Merits: The biggest advantage that India has from the perspective of tourism is its diversity. Very few countries in the world have this eclectic fusion of the traditional and the modern, the historical and the contemporary, the mountains and the seas, the deserts and the forests, and the different religions and communities.

Demerits: Incredible India was facing numerous challenges including: Competing with other campaigns for the attention of their key audience, Struggling to reach premium and affluent travelers across APAC and EMEA, Identifying and communicating a distinct side of India that general audiences would not know about already.

Reference link: <https://www.incredibleindia.org/>

## 2.2 Requirement Identification and Analysis for Project

Significant work has been done in the field of web development ; however, it is not easy to achieve desired results. The review of literature leads to draw certain major findings which are as under:

- The beauty of these amazing destinations and their presentation inappropriate way is something that attracts customers. If you have a travel business but everything is being done by word of mouth, then it will not work for long. Customers are interested in exploring every location on their own without any intervention of travel operators. They want to have entire control in their hand.
- The first thing that customers expect to know from any travel agency is what kind of tours they are offering. So, the complete list of domestic as well as international tours travel agency is offering gives a complete idea to the customers and helps them find their dream destination and to proceed further with that.
- After the customer has selected the particular location, destination basic details like where is that destination located, what it is known for, what one can explore there, the historic significance of that place, cost of that particular tour, etc. all these factors indirectly influences customers to visit and explore that place. Interactive HD images play a very vital role in influencing customers as images

speak louder than words. Travel operators can also upload videos of previous tours on the website which helps to form a good impression on the customer at the first sight.

- Before booking any kind of tour, travelers want to know the day-wise attractions travel agency is covering. So, they get a complete idea about what they will get to see and how long the tour will last, etc. Itinerary details include every detail about different spots in the destinations that will be covered.
- If customers are happy with previous traveling experience, then they must be eager to know about the upcoming tours. So, if this information is easily available on the website, then it automatically solves many queries of the customers. This information keeps your customers tuned to your website.
- The website can be used as a perfect platform to reach your customers with important information. If during a certain period, the travel agency is not taking any tour, then through their website they can convey these details to the customers to keep them always informed.

### **2.2.1 Conclusion**

This chapter reviews the literature surveys that have been done during the research work. The related work that has been proposed by many researchers has been discussed. After surveying the existing systems, finding out the advantages and disadvantages, we have decided to make the travel and tourism management system which overcomes disadvantages of the existing systems to some extent.

## **Chapter 3. Proposed System**

### **Proposed System**

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#### **3.1 The Proposal**

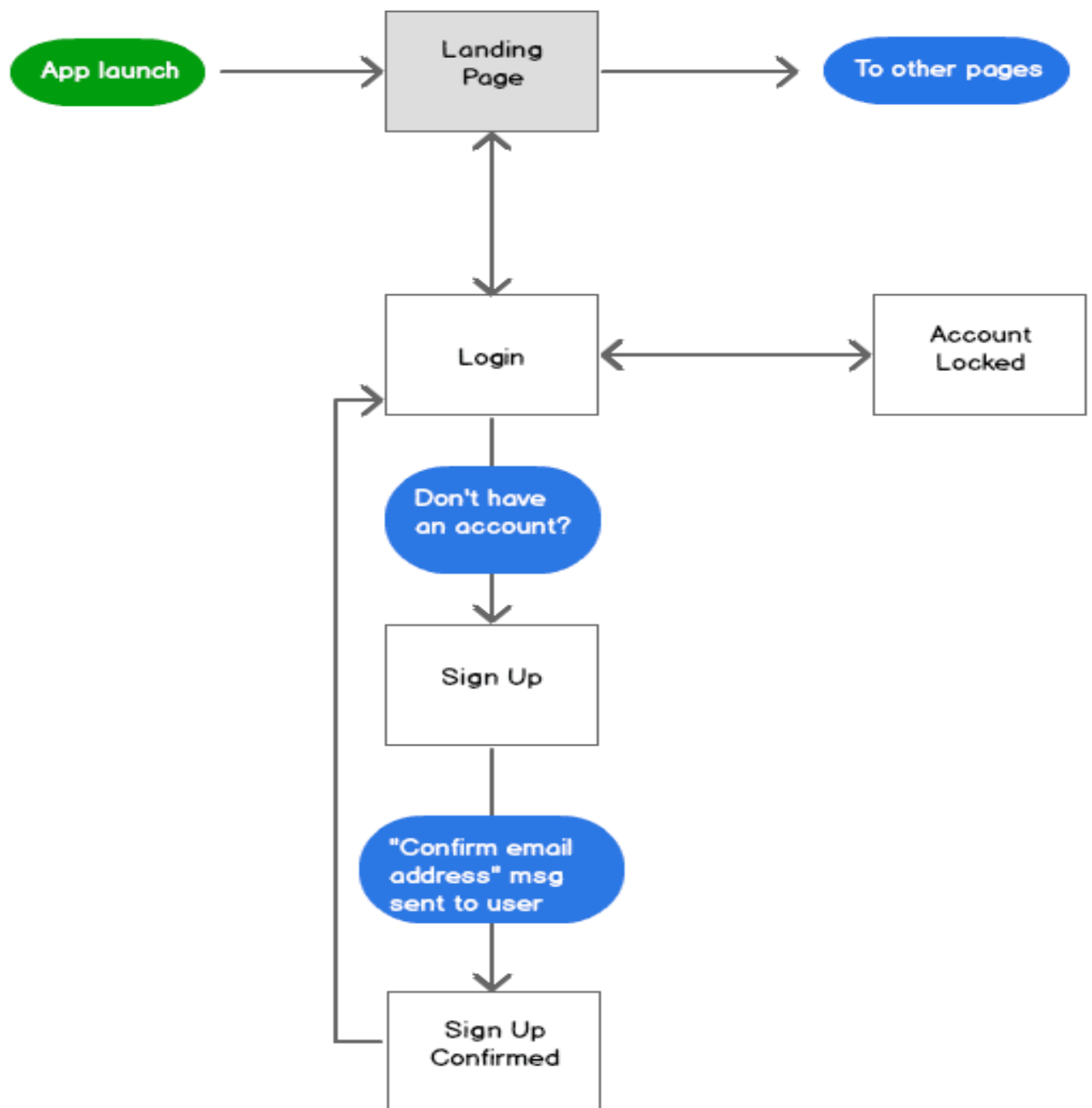
The proposal is to deploy a system which is designed to be more efficient than the manual system. It invokes all base tasks that are now carried out manually, such as the forms transactions and reports which is added advantage. The proposed System is completely computer-based application. Thousands of records can searched and displayed without taking any significant time.

#### **3.2 Benefits of the Proposed System**

The current system had a lot of challenges that are overcome by this system :

- Gives accurate information
- Simplifies the manual work
- It minimizes the documentation related work
- Provides up to date information
- Friendly Environment by providing warning messages
- Travellers details can be provided
- Booking confirmation notification

### 3.3 Block Diagram



**Fig 3-1 : Block Diagram**

### 3.4 Feasibility Study

A feasibility study is an analysis of how successfully a system can be implemented, accounting for factors that affect it such as economic, technical and operational factors to determine its potential positive and negative outcomes before investing a considerable amount of time and money into it.

### **3.4.1 Technical**

For the travel and tourism management , there is a need to make a dynamic and interactive website which gives user a interface to login ,sign up or register, book and create any package, confirm it and also review it. For this, PHP is used, which is an open-source, interpreted, and object-oriented scripting language that can be executed at the server-side. It supports supports all the leading databases such as MySQL, SQLite, ODBC, etc.

### **3.4.2 Economical**

This website will organize your trip in such manner that the expanses of user can be minimized and that's why they will return back to us for further bookings. We will organize trip for a bunch of people so everything will be planned accordingly and with our direct contact to other end employees we will cut short all the middleware expanses and provide services to our users in as low price as possible. It will cover type of expenses (Except personal) like for travelling for hotel for food and many more everything will be included in the output charges shown during the time of Booking. Budget is the most important thing. You have to know how much money you want to spend and how much you can set for accommodation, food and trips. We intend to do all these manual work in our website and provide overall response to you in a single place.

### **3.4.3 Operational**

The main motto of our system is the user can perform all the operations possible easily and get the desired place to travel with a affordable price. The system is able to do that accurately and efficiently making the system operationally feasible.

## 3.5 Design Representation

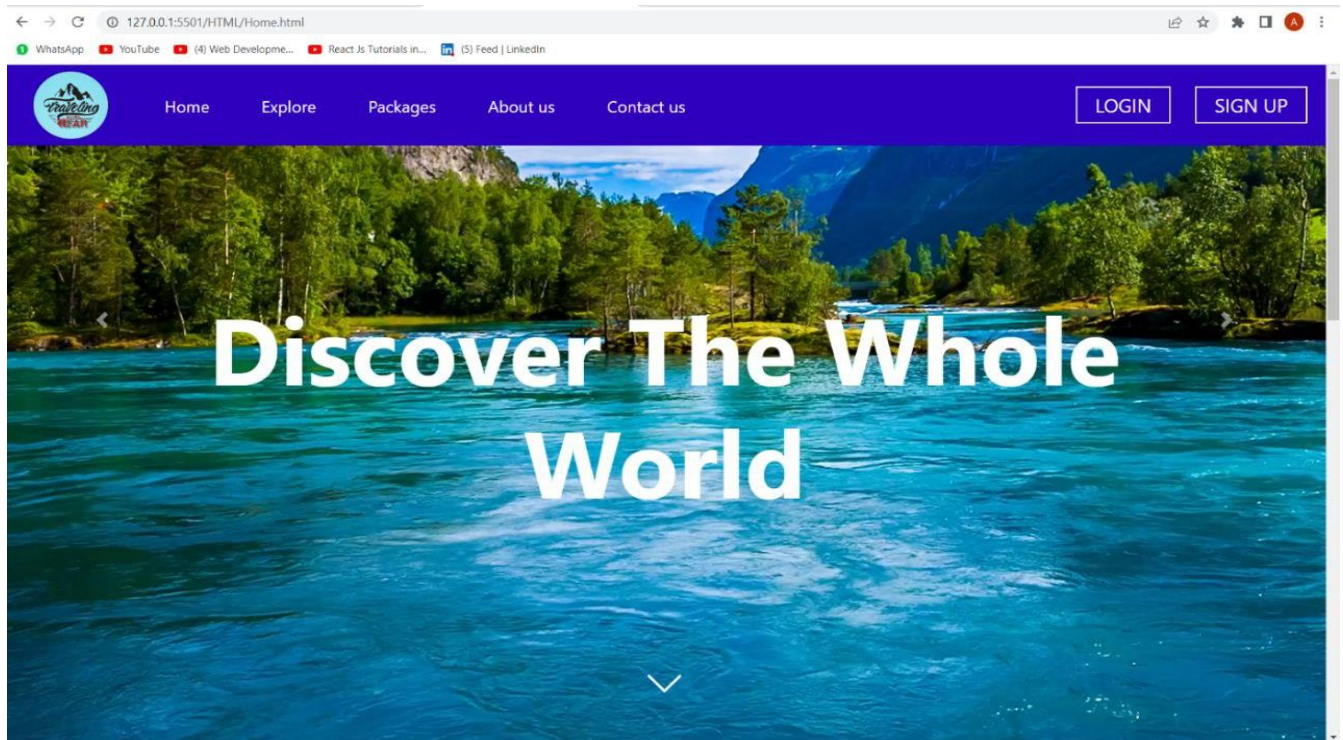
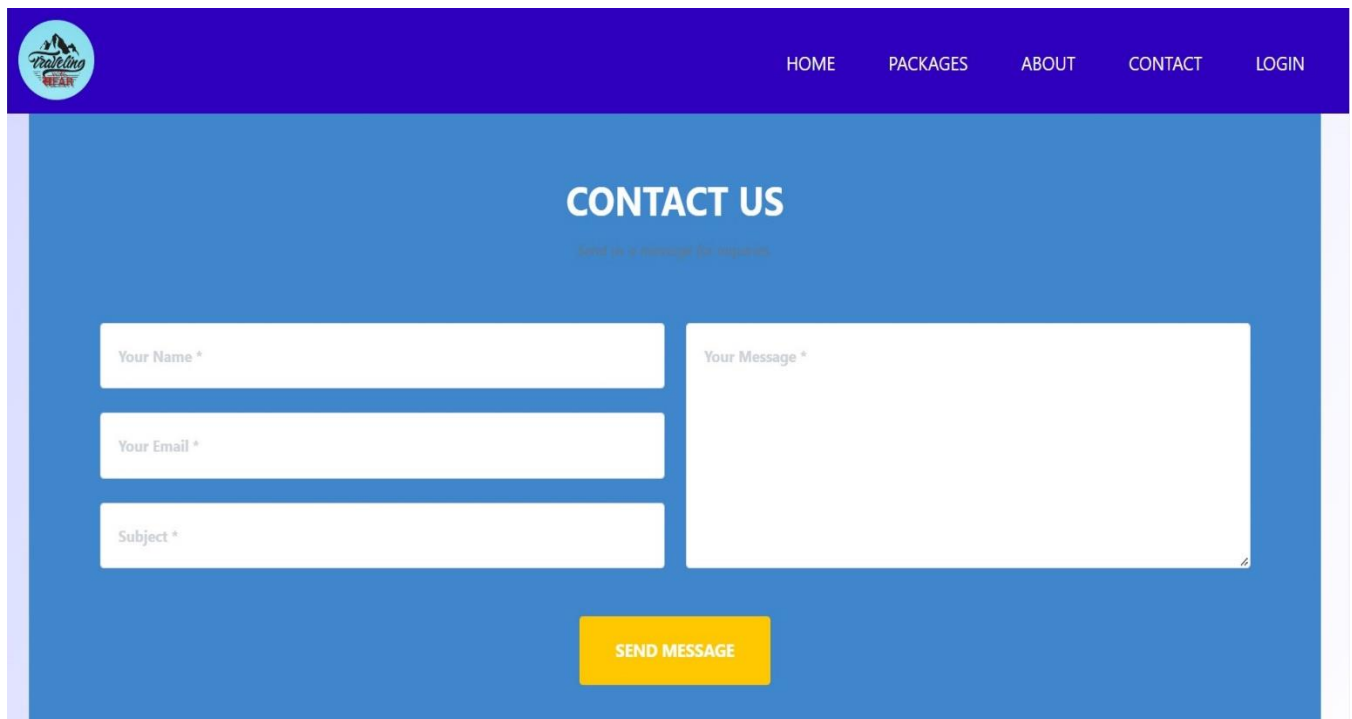


Fig 3-2: Home page

A screenshot of a web form titled 'Login' and 'Create New Account'. The form is divided into two columns. The left column, titled 'Login', contains fields for 'Username' and 'Password', followed by a yellow 'Login' button. The right column, titled 'Create New Account', contains fields for 'Firstname', 'Lastname', 'Username', and 'Password', followed by a yellow 'Register' button. The form is set against a dark blue background with a 'SEND MESSAGE' button at the bottom.

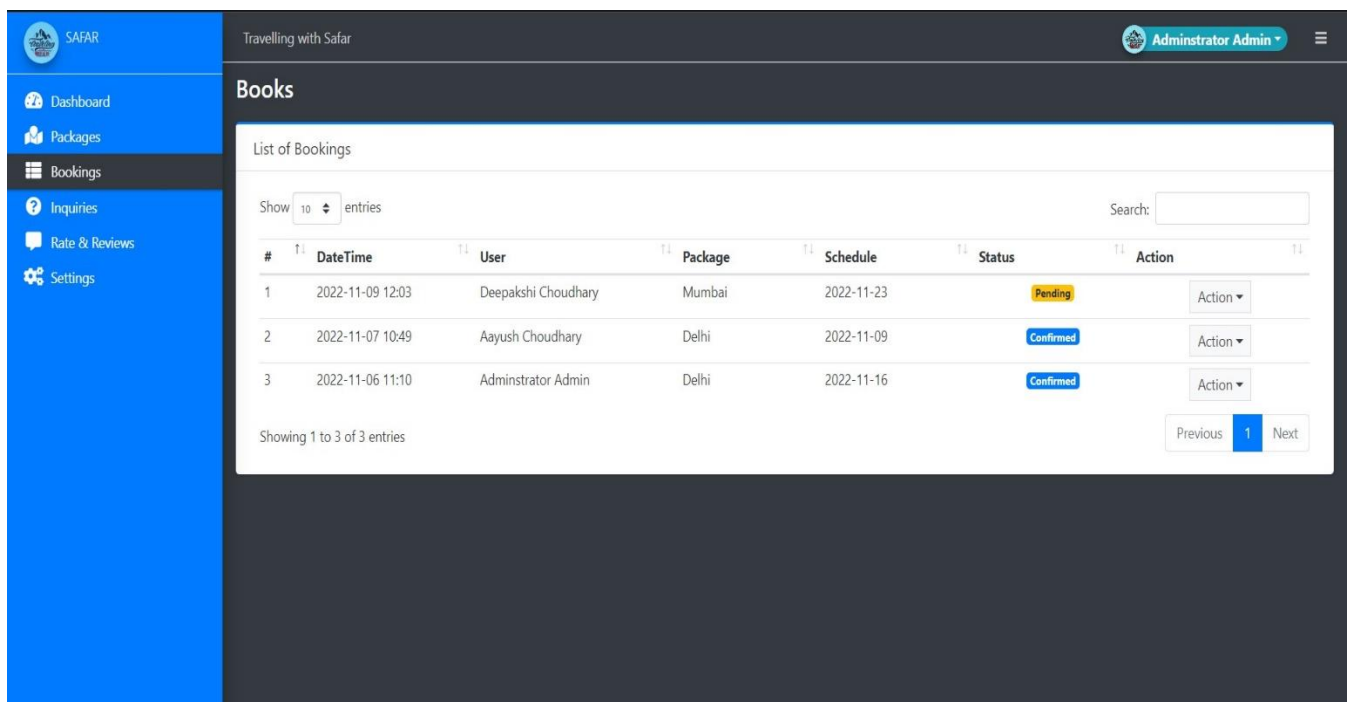
Fig 3-3: Login and Sign up page





The image shows a 'CONTACT US' page with a dark blue header containing a logo and navigation links: HOME, PACKAGES, ABOUT, CONTACT, and LOGIN. The main content area has a blue gradient background with the title 'CONTACT US' and a subtitle 'Send us a message for inquiries.' Below this are three input fields: 'Your Name \*', 'Your Email \*', and 'Subject \*', followed by a large 'Your Message \*' text area. A yellow 'SEND MESSAGE' button is at the bottom.

Fig 3-4: Contact us page



The image shows a 'Bookings' page with a dark blue header containing a logo, 'SAFAR', 'Travelling with Safar', and 'Administrator Admin'. A left sidebar lists: Dashboard, Packages, Bookings, Inquiries, Rate & Reviews, and Settings. The main content area is titled 'Books' and 'List of Bookings'. It includes a 'Show 10 entries' dropdown, a search bar, and a table with 3 entries. The table columns are #, DateTime, User, Package, Schedule, Status, and Action. The first entry is 'Pending', the others are 'Confirmed'. At the bottom, it says 'Showing 1 to 3 of 3 entries' and has 'Previous', '1', and 'Next' pagination links.

#	DateTime	User	Package	Schedule	Status	Action
1	2022-11-09 12:03	Deepakshi Choudhary	Mumbai	2022-11-23	Pending	Action ▼
2	2022-11-07 10:49	Aayush Choudhary	Delhi	2022-11-09	Confirmed	Action ▼
3	2022-11-06 11:10	Administrator Admin	Delhi	2022-11-16	Confirmed	Action ▼

Fig 3-5: Bookings page

### 3.5.1 Data Flow Diagrams



Fig 3-6: DFD DIAGRAM (LEVEL 0) ADMIN

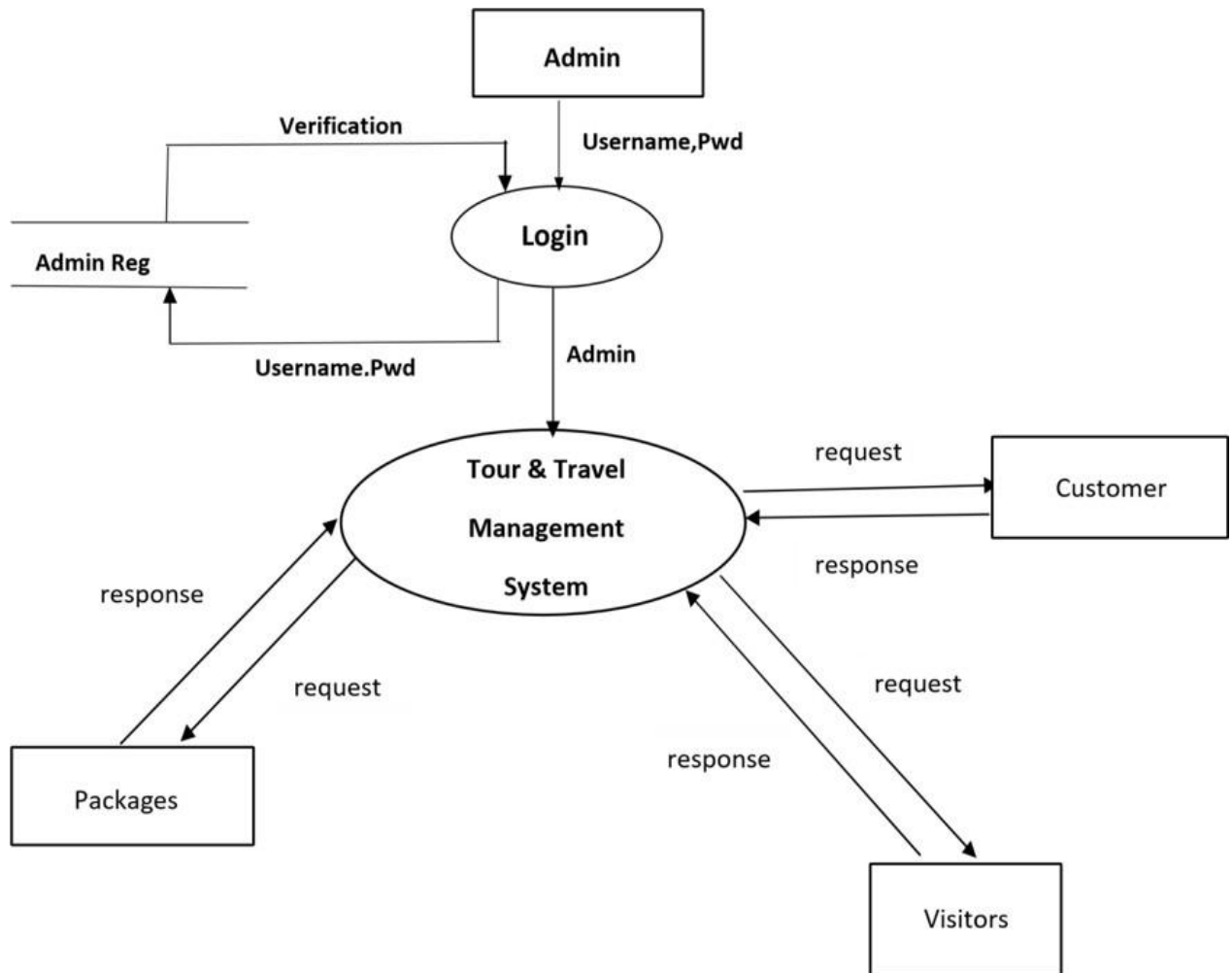
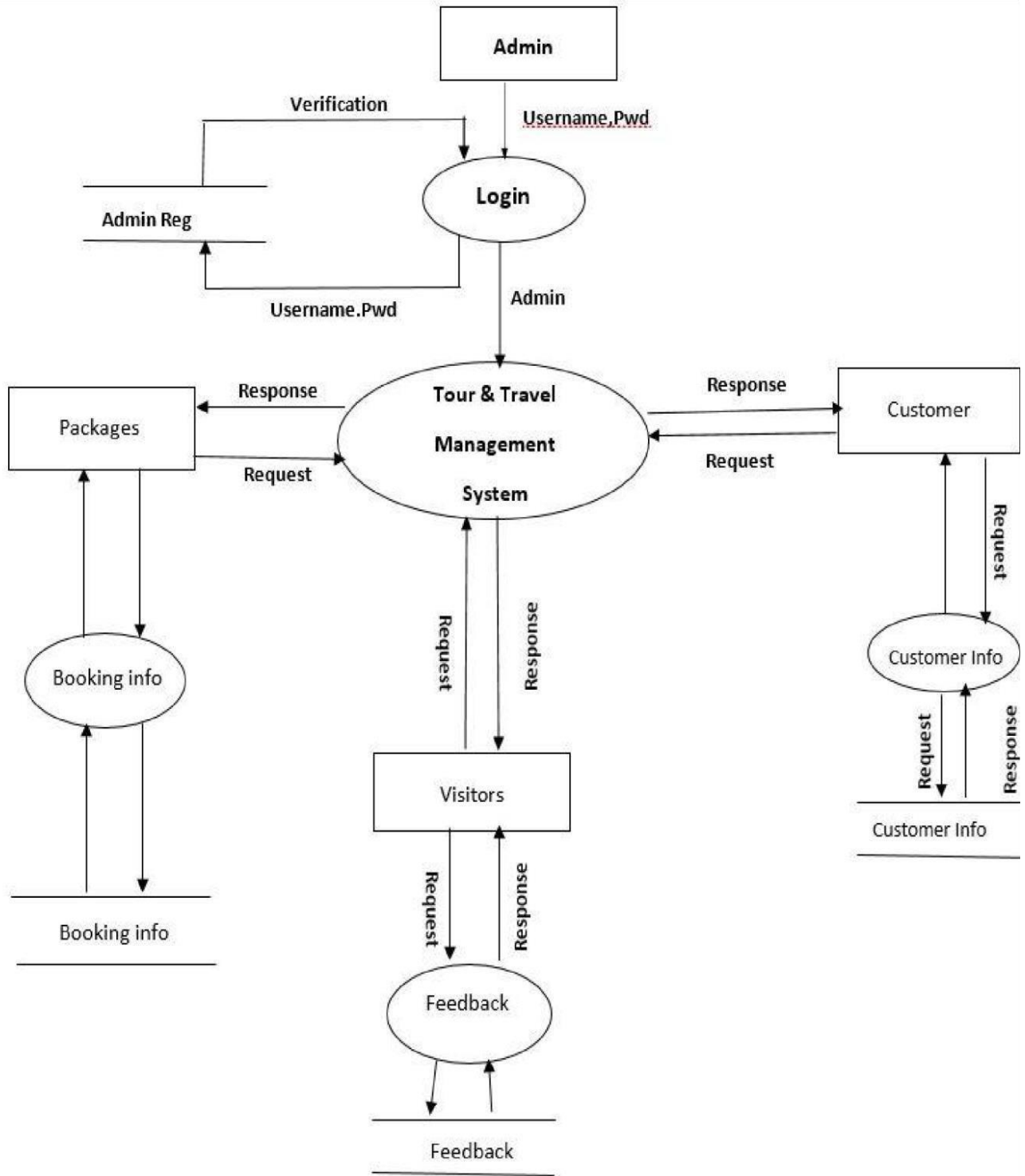
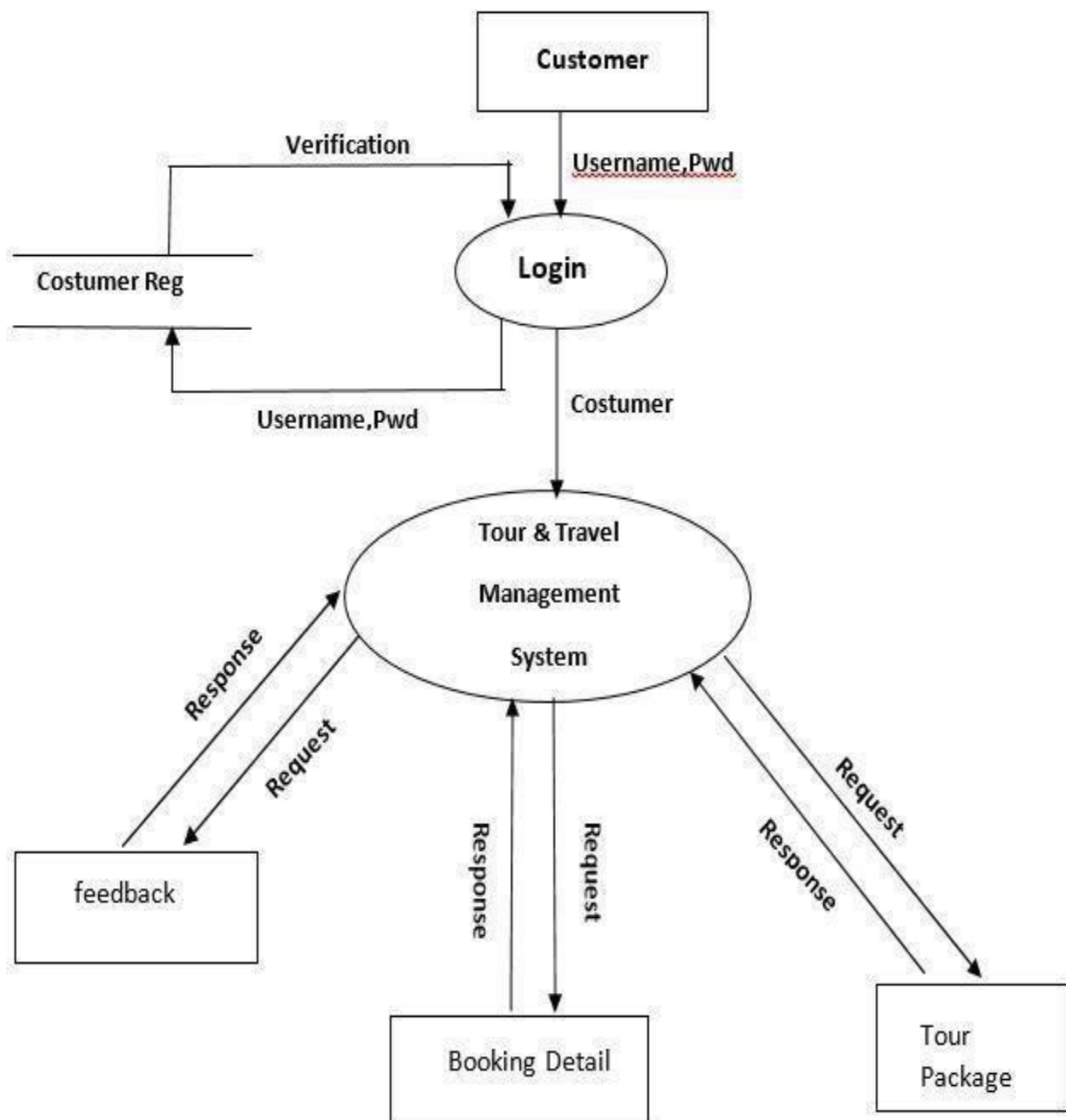


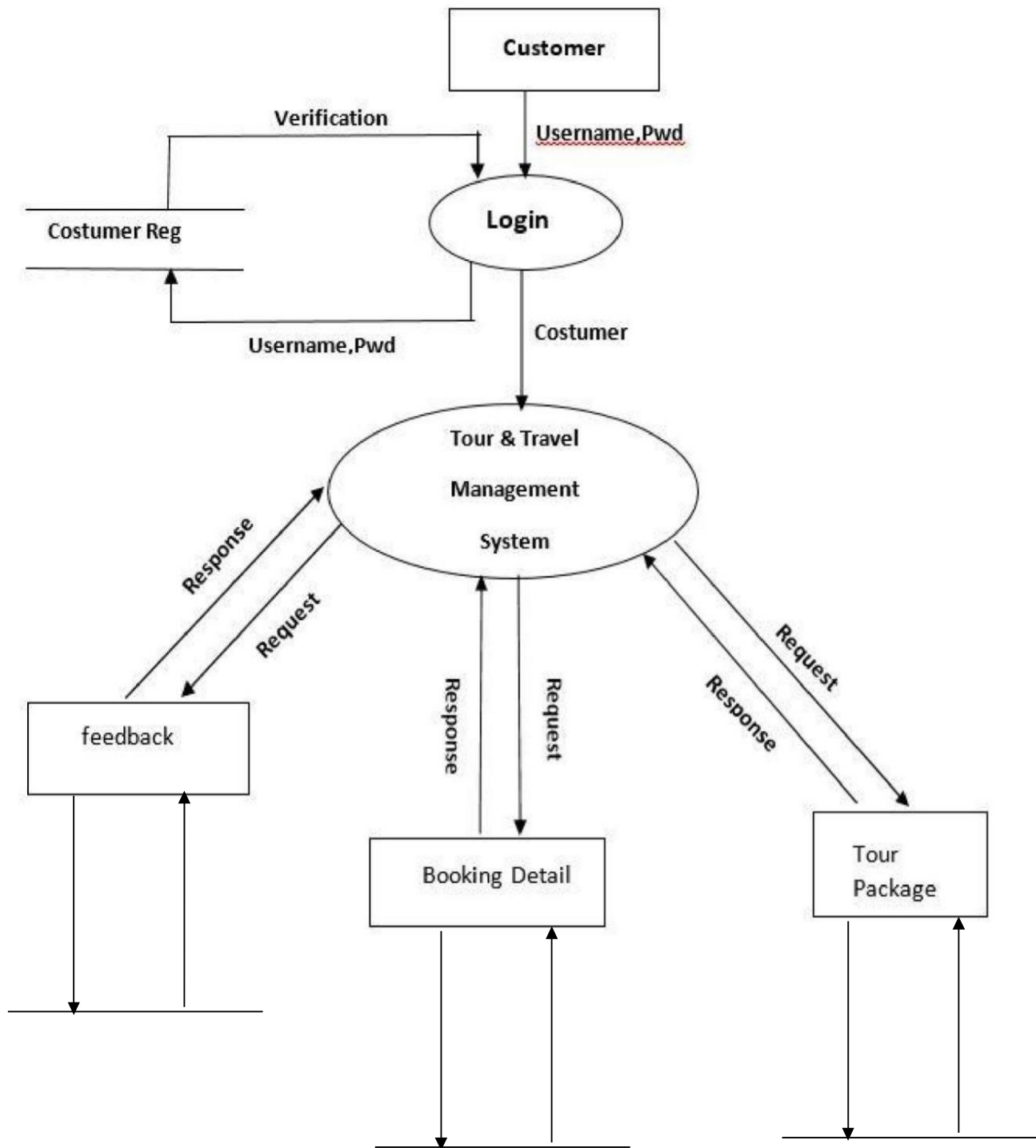
Fig 3-7: DFD DIAGRAM (LEVEL 1) ADMIN



**Fig 3-8: DFD DIAGRAM (LEVEL 2) ADMIN**



**Fig 3-9: DFD DIAGRAM (LEVEL 1) CUSTOMER**



**Fig 3-10: DFD DIAGRAM (LEVEL 2) CUSTOMER**

### 3.5.2 E R Diagram

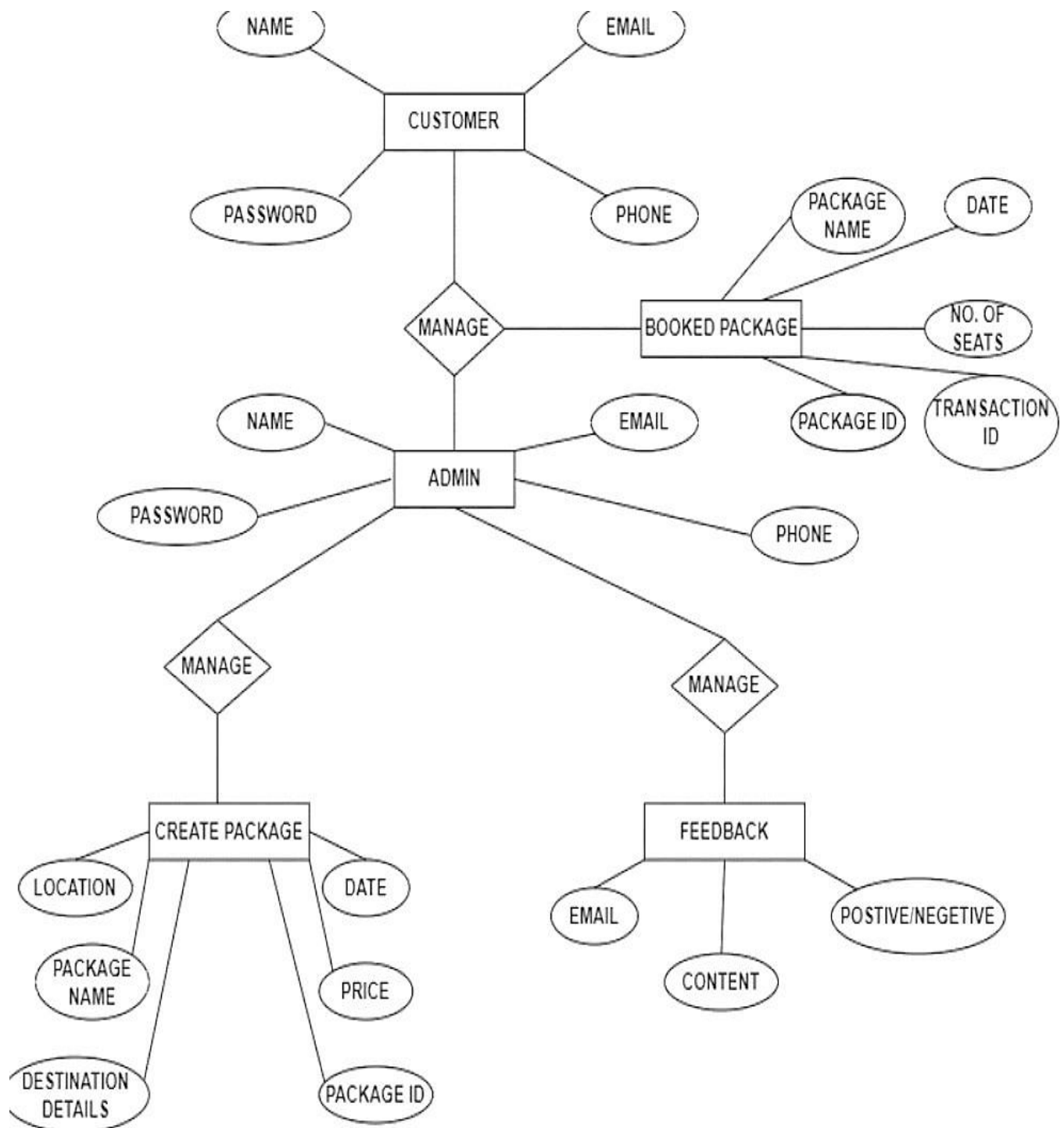
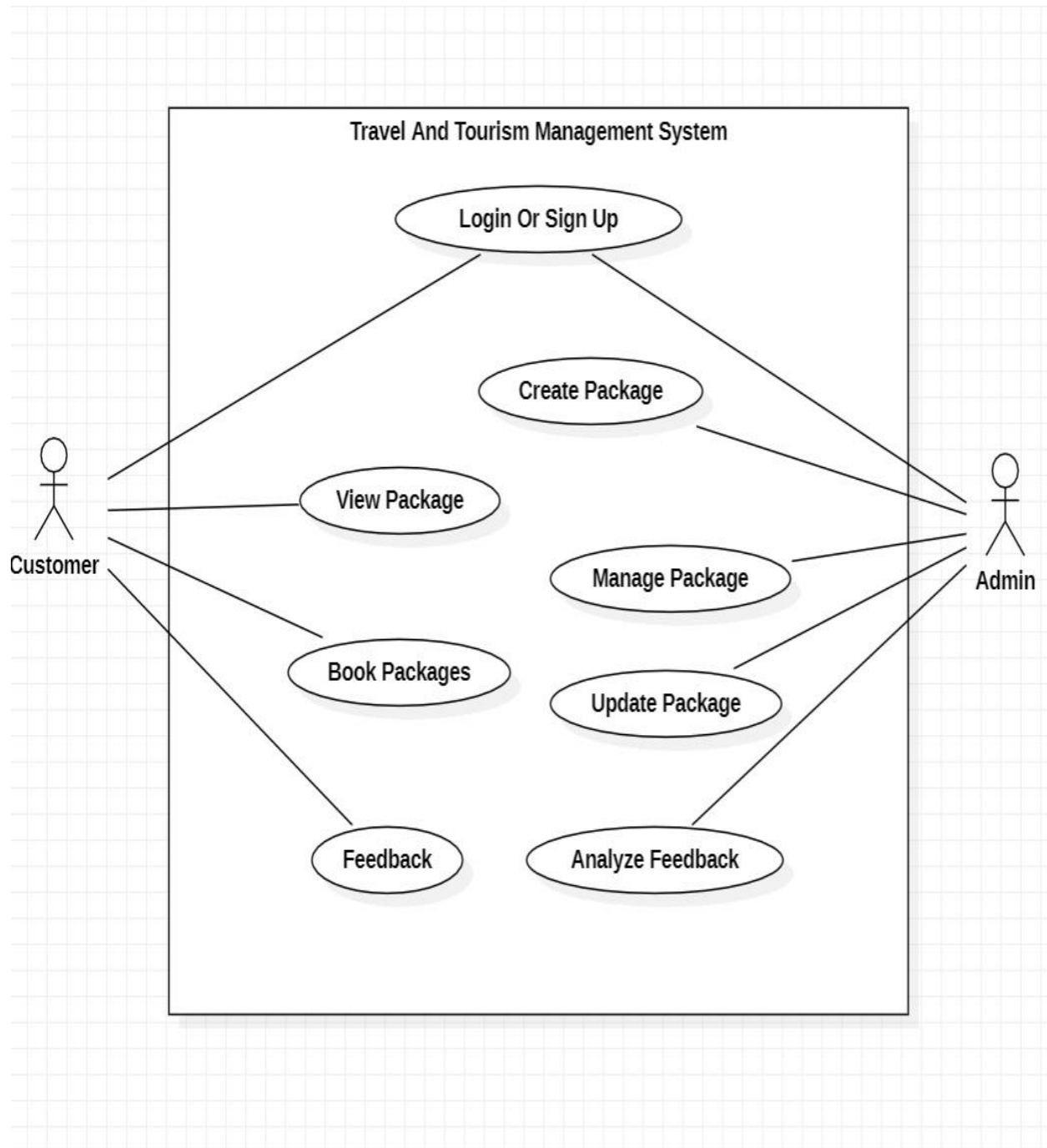


Fig 3-11: ER Diagram

### 3.5.3 Use Case Diagram



**Fig 3-12: Use Case Diagram**

### 3.5.4 Activity Diagram

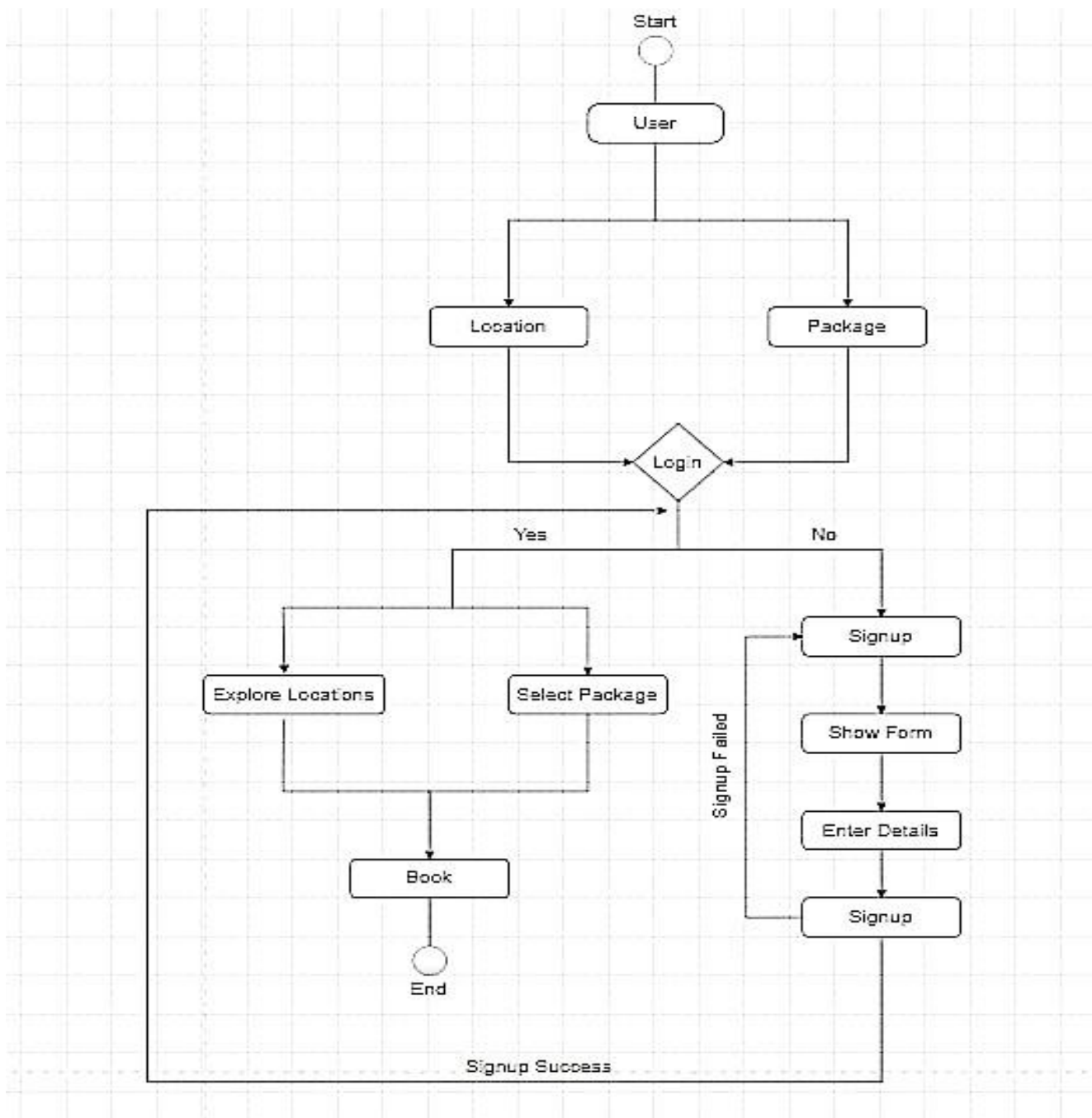


Fig 3-13: Activity Diagram



## **3.6 Deployment Requirements**

There are various requirements (hardware, software and services) to successfully deploy the system. These are mentioned below :

### **3.6.1 Hardware**

- Processor: Minimum 1 GHz; Recommended 2GHz or more.
- Ethernet connection (LAN) OR a wireless adapter (Wi-Fi).
- Hard Drive: Minimum 32 GB; Recommended 64 GB or more.
- Memory (RAM): Minimum 1 GB; Recommended 4 GB or above.
- Backup Drive- Have backup drive for your computer to ensure that you don't lose the investment you've made in your computer.

### **3.6.2 Software**

- Basic Text or HTML Editor
- Web Browsers
- Graphics Editor
- FTP Client-Need an FTP (file transfer protocol) client to transfer your HTML files and supporting images and graphics to your web server.

## Chapter 4. Implementation

### Implementation

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For the problem of maintaining and organizing a proper trip we need something or someone to do all the manual work at a single place specially while visiting a new place where we don't have any idea that particular place or city we require guidance a lot so it will be so much beneficial to organize a trip well before starting the journey. The system is designed in such a way so as to automate the process by providing all the required information at a single place and user don't even have to leave their room for doing all these things with the help of our website.

#### 4.1 Technology Used

##### 4.1.1 Front end-

- **Bootstrap**



Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains HTML, CSS and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components. Bootstrap is an HTML, CSS & JS Library that focuses on simplifying the development of informative web pages (as opposed to web apps). The primary purpose of adding it to a web project is to apply Bootstrap's choices of color, size, font and layout to that project. As such,

the primary factor is whether the developers in charge find those choices to their liking. Once added to a project, Bootstrap provides basic style definitions for all HTML elements. The result is a uniform appearance for prose, tables and form elements across web browsers. In addition, developers can take advantage of CSS classes defined in Bootstrap to further customize the appearance of their contents. For example, Bootstrap has provisioned for light- and dark-colored tables, page headings, more prominent pull quotes, and text with a highlight.

- **HTML** -It stands for 'HYPERTEXT MARKUP LANGUAGE'. HTML is a standardized system for tagging text files that creates the structure for just about every page that we find and use on the web. It's HTML that adds in page breaks, paragraphs, bold lettering, italics, and more. HTML works to build this structure by using tags that tell browsers what to do with text.
- **CSS** – It stands for 'CASCADING STYLE SHEET'. CSS is used for defining the styles for web pages. It describes the look and formatting of a document which is written in a markup language. It provides an additional feature to HTML. It is generally used with HTML to change the style of web pages and user interfaces. It is easier to make the web pages presentable using CSS. It is easy to learn and understand and used to control the presentation of an HTML document. CSS helps us to control the text color, font style, the spacing between paragraphs, sizing of columns, layout designs, and many more. It is independent of HTML, and we can use it with any XML-based markup language.

It is recommended to use CSS because the HTML attributes are being deprecated. So, for making HTML pages compatible with future browsers, it is good to start using CSS in HTML pages.

- **Javascript** - JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user.

## 4.1.2 BACK-END -

- PHP -



It stands for Hypertext Pre-processor (PHP). PHP is a common open-source scripting language popular for web applications. Although it originally stood for “personal home page,” PHP is now a recursive acronym for “hypertext pre-processor” — but chances are you’ll never hear that name again.

In its simplest form, PHP is a server-side scripting language that is embedded in HTML. PHP allows web developers to create dynamic content and to interact with databases. PHP is known for its simplicity, speed, and flexibility — features which have made it a cornerstone in the web development world.

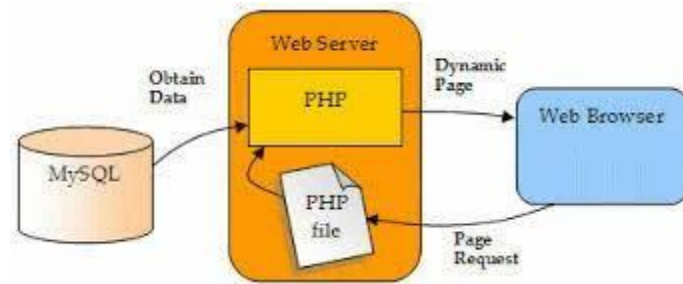
## 4.2 Tools Used

### 4.2.1 My SQL -



MySQL is a relational database management system based on **SQL** – **Structured Query Language**. The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications. The

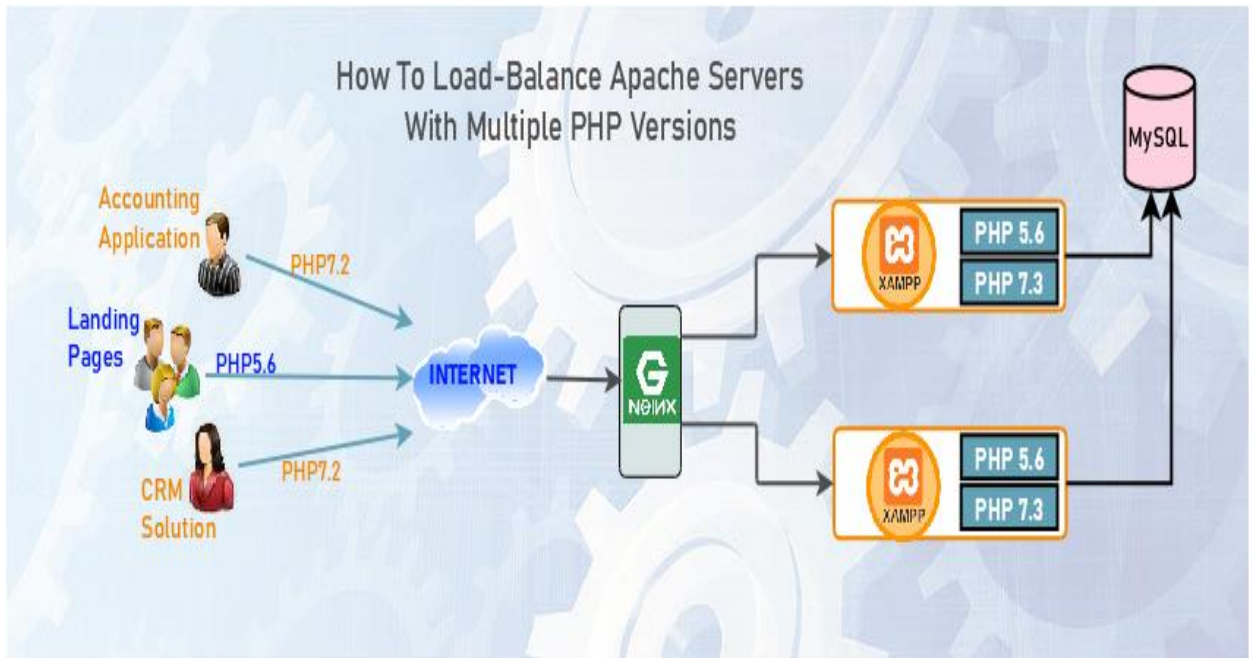
most common use for MySQL however, is for the purpose of a web database. It can be used to store anything from a single record of information to an entire inventory of available products for an online store.



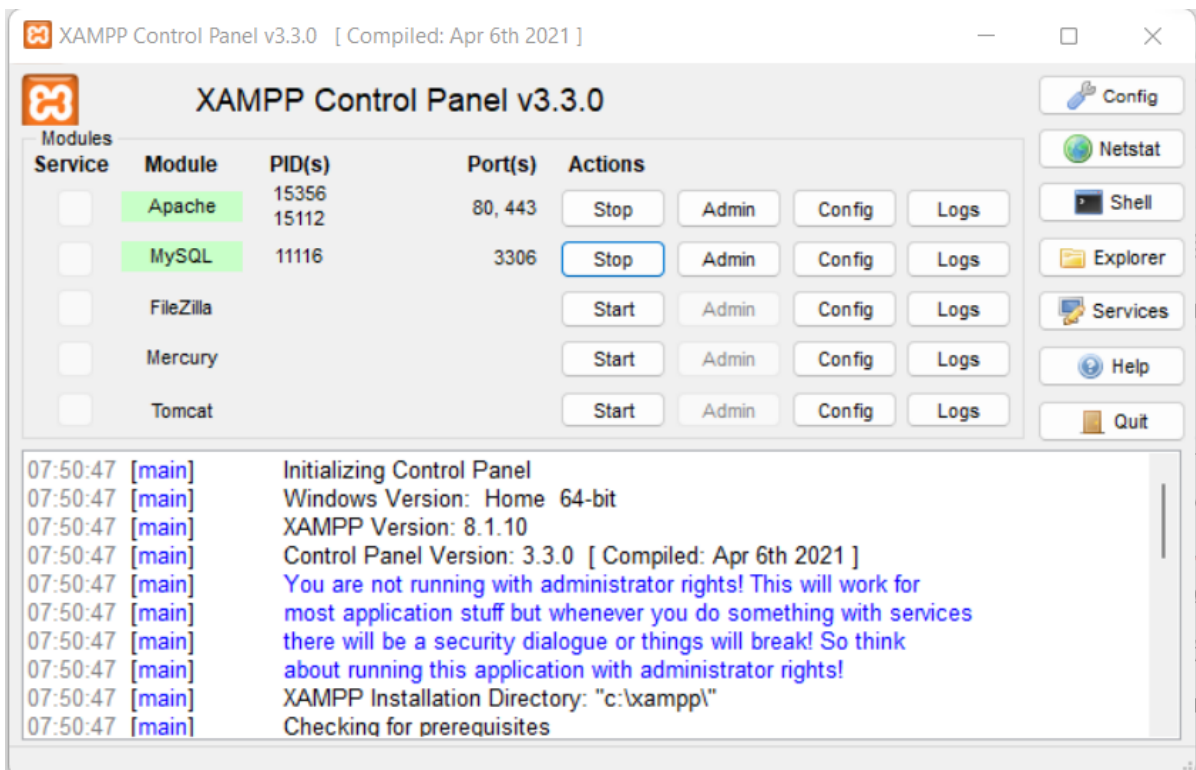
**Fig 4-1: Working with MySQL Database**

**4.2.2 XAAMP Server-** XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible. XAMPP's ease of deployment means a WAMP or LAMP stack can be installed quickly and simply on an operating system by a developer, with the advantage that common add-in applications such as WordPress and Joomla! can also be installed with similar ease using Bitnami.

XAMPP is regularly updated to the latest releases of Apache, MariaDB, PHP and Perl. It also comes with a number of other modules, including OpenSSL, phpMyAdmin, MediaWiki, Joomla, WordPress and more. Self-contained, multiple instances of XAMPP can exist on a single computer, and any given instance can be copied from one computer to another. XAMPP is offered in both a full and a standard version .



**Fig 4-2: XAMPP Architecture**



**Fig 4-3: Main graphic user interface of XAMPP**

## 4.3 Language Used

PHP language is used in the system due to the following Characteristics :

- **A Scripting Language** – Scripting languages are interpreted by another program at runtime (no need for compilation). Scripting languages can either be interpreted server-side or client-side (in the browser).
- **Server-Side** – PHP is a server-side scripting language, processed by a PHP interpreter on a web server; the result (the output) is sent to the web browser as plain HTML.
- **Open-Source** – PHP is freely available to download and use.
- **Object-Oriented** – Object-Oriented Programming (OOP) leverages the concept of “objects” to contain data and functions to help build more complex, reusable web applications. OOP was added to PHP5.
- **Fast** – PHP uses its own memory, minimizing server workload and increasing performance. PHP can be up to 382% faster than [Python](#) and 195% faster than Ruby.
- **Simple** – The PHP syntax is easily understood and learned, whether you’re building from scratch or leveraging existing frameworks or add-ons.
- **Well Supported** – PHP supports all leading databases (MySQL, SQLite, ODBC), is compatible with most servers (Apache, IIS, etc), is portable across all platforms (Windows, Mac OS, Linux, etc), and can be further supported by PHP frameworks ([Laravel](#), [CodeIgniter](#), [Symfony](#)) and many well-stocked and vetted libraries.

## 4.4 Screenshots

The Following are the screenshots of the result of the project :

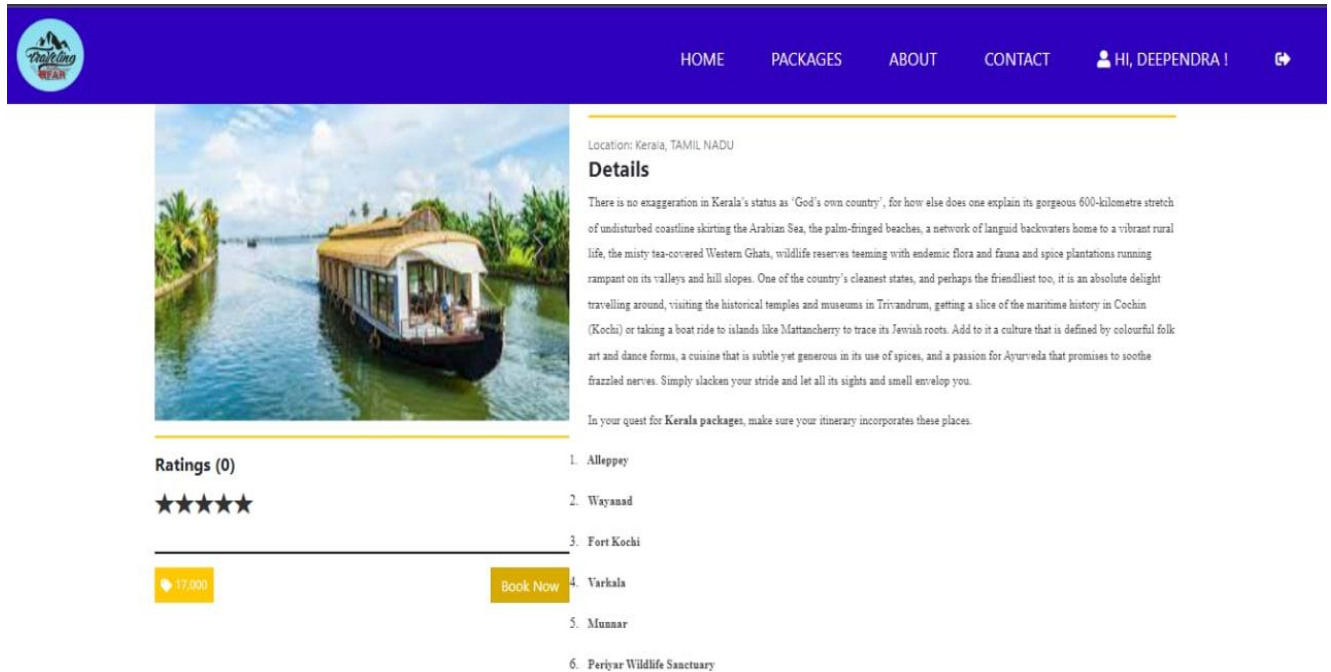


Fig 4-4: Package Details

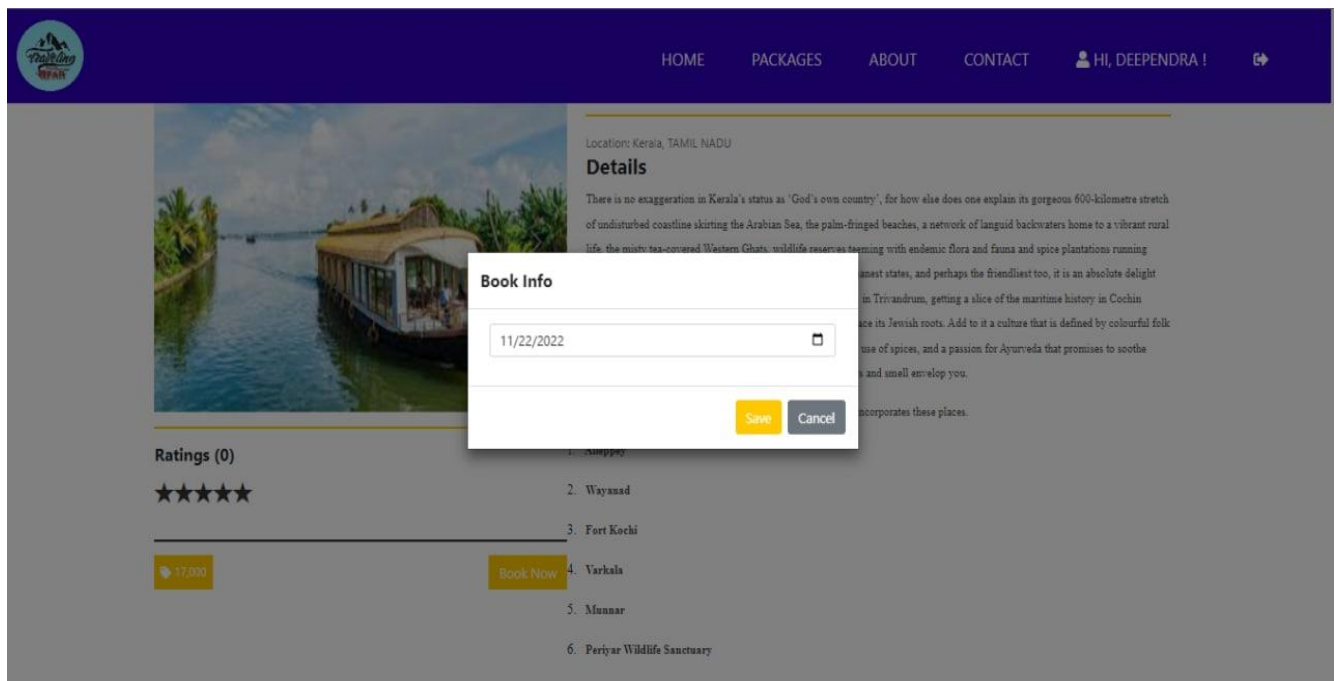
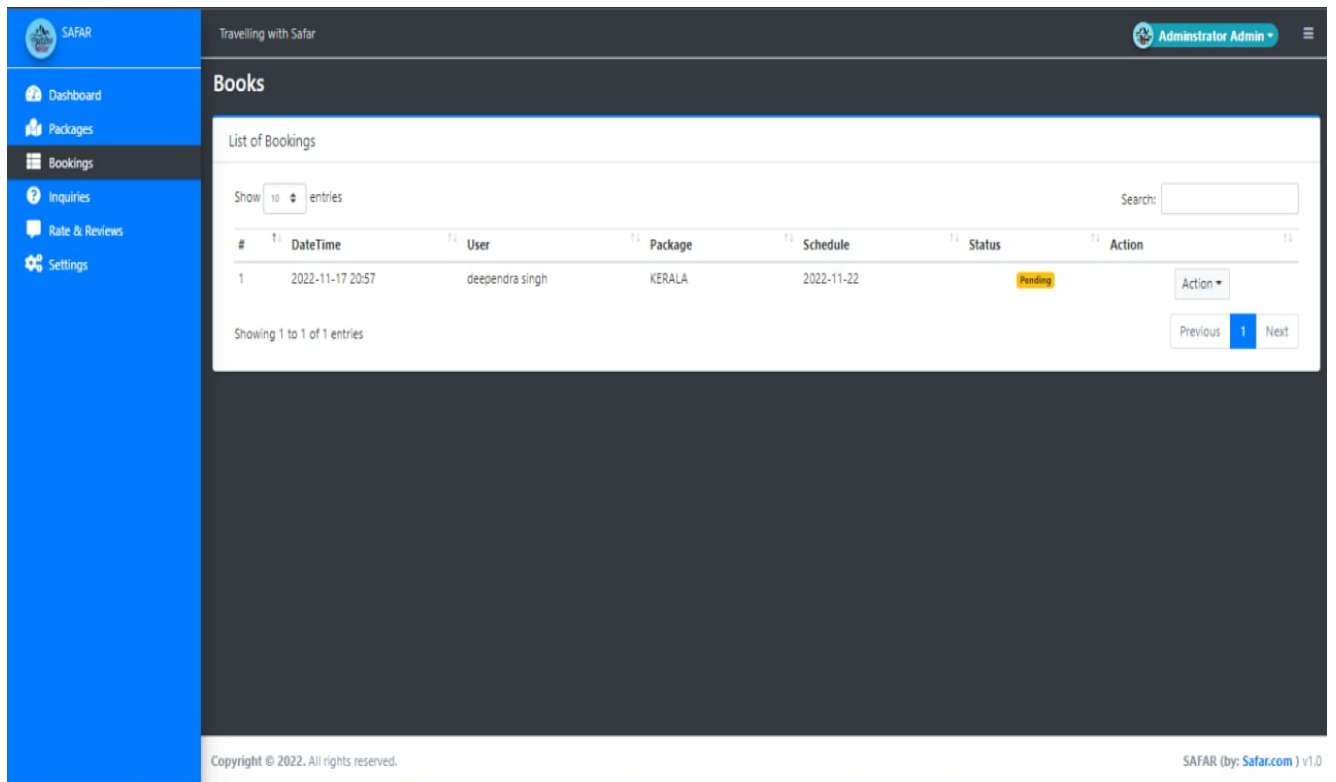
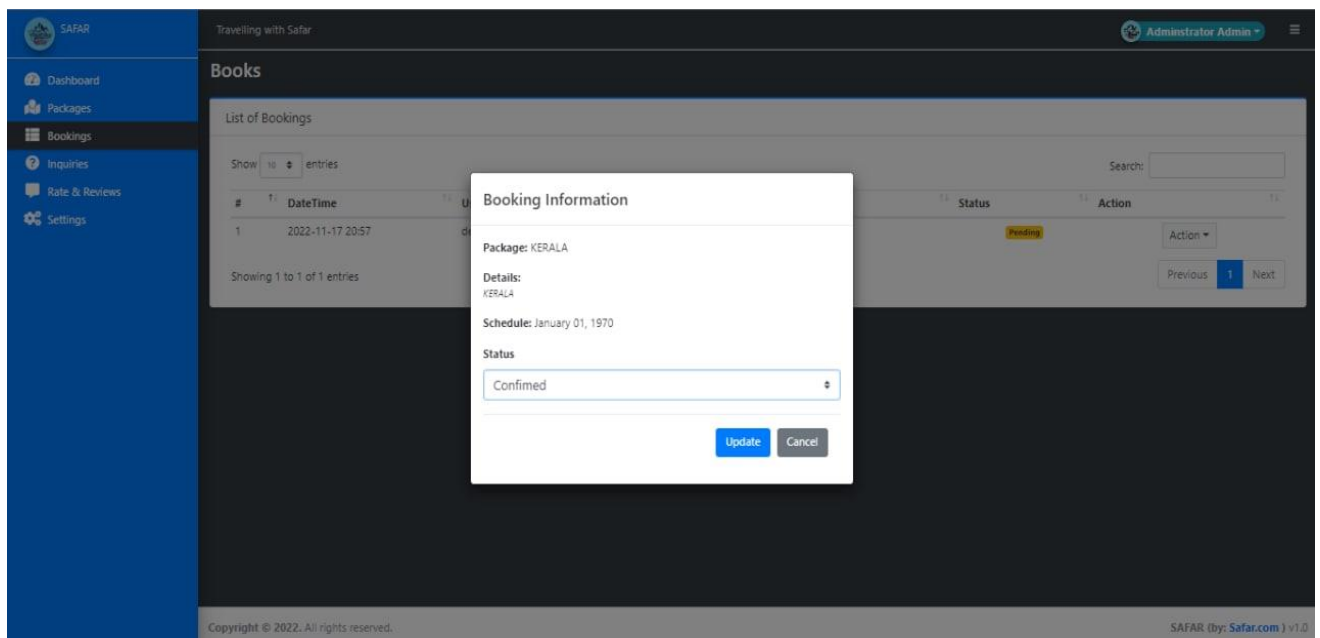


Fig 4-5: Booking Info Page





**Fig 4-6: Package Pending**



**Fig 4-7: Booking Confirmation**

## 4.5 Testing

Testing is the process of evaluation of a system to detect differences between given input and expected output and also to assess the feature of the system. Testing assesses the quality of the product. It is a process that is done during the development process.

### 4.5.1 Strategy Used

Tests can be conducted based on two approaches –

- Functionality testing
- Implementation testing

The testing method used here is Black Box Testing. It is carried out to test functionality of the program. It is also called ‘Behavioral’ testing. The tester in this case, has a set of input values and respective desired results. On providing input, if the output matches with the desired results, the program is tested ‘ok’, and problematic otherwise.

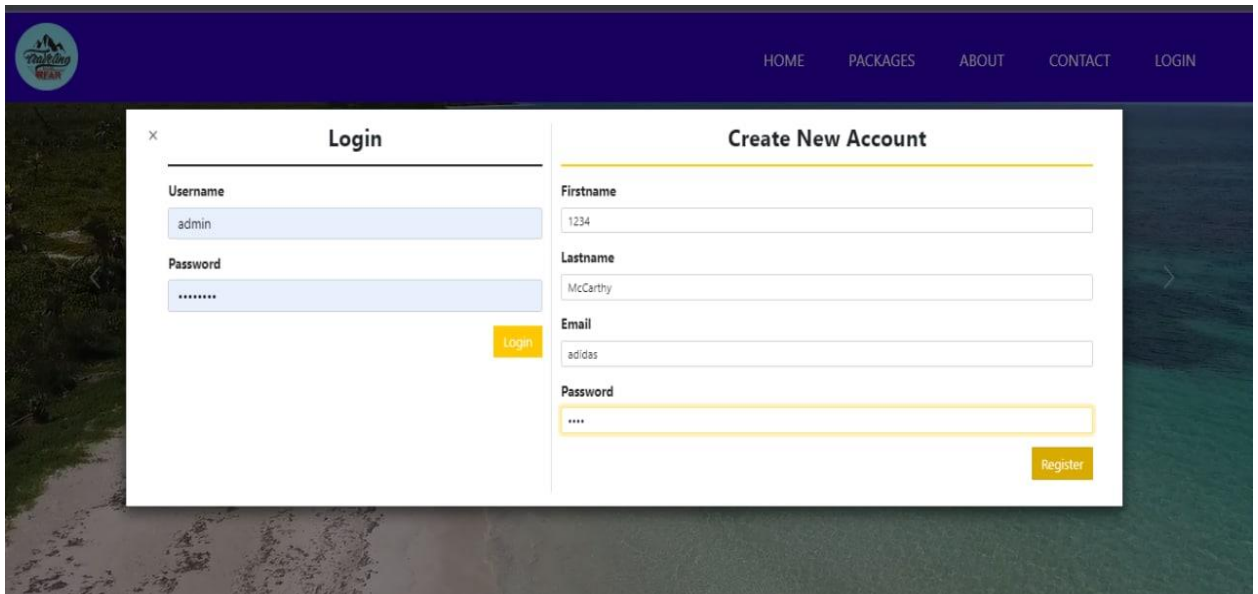
### 4.5.2 Test Case and Analysis

- **TEST CASE: 1**

Test Case ID	TC001
Test Case Summary	Invalid Login Credentials Problem. Initially the login system was accepting invalid usernames (First name, Last name) it was accepting numbers in place of names so we find and dealt with it during the testing phase of the program.
Test Procedure	By using JavaScript validation system, we solved this problem of invalid login credentials.
Expected Result	First name and last name must be names and have a definite length.
Actual Result	First and last name must be names having minimum length of 3 letters and maximum 50. Email address provided should also be in valid form for registering to the portal.
Status	PASS

**Table 4-1:Test Case 1**

## **TEST CASE 1 OUTPUT**



**Fig 4-8: Test Case 1 Output**

- **TEST CASE: 2**

Test Case ID	TC002
Test Case Summary	While creating new packages the uploaded photos of destination was not uploading to the portal.
Test Procedure	We created A new folder for the photos to be stored and the relative path was stored in the database.
Expected Result	Photos should be loading in webpage and showing to users after creation of any new package.
Actual Result	Photos were actually loading in the webpage and can be viewed by users.
Status	PASS

**Table 4-2: Test Case 2**

## TEST CASE 2 OUTPUT

SAFAR

Travelling with Safar

Administrator Admin

Description

like Alleppey and Kumarakom. Also, a time when you must explore the misty tea estates of Munnar or take a jetty ride to the Mattancherry Palace in Cochin.

**Off season:** Any time between April and May is the low season in Kerala. The heat and humidity are very high in these prominent summer months and you will see fewer crowds wherever you go. The beaches are desolate, the monuments are empty, the shacks have winded up and the hotels are running empty. The hilly areas of Wayanad and Munnar are popular choices in this season for their cooler climate and invigorating mountain breeze. In the plains, this is a good time to get hotel discounts.

**Ayurveda season:** The monsoon months of June, July and August when it pours in Kerala and the seas turn tumultuous, are the best to pamper yourself with a rejuvenating Ayurvedic therapy at one of Kerala's Ayurveda resorts or clinics. The end of the dry spell, the boisterous winds and the subsequent lowering of temperatures make it favourable to experience an intense Ayurvedic massage and follow the prescribed diet chart.

Status

Active

Images

[Kerala.jpg] Browse

Save Cancel

Copyright © 2022. All rights reserved. SAFAR (by: Safar.com) v1.0

Fig 4-9: Test Case 2 Output 1

## FINAL OUTPUT

HOME PACKAGES ABOUT CONTACT HI, ADMINISTRATOR!

### KERALA

Location: Kerala, TAMIL NADU

#### Details

There is no exaggeration in Kerala's status as 'God's own country', for how else does one explain its gorgeous 600-kilometre stretch of undisturbed coastline skirting the Arabian Sea, the palm-fringed beaches, a network of languid backwaters home to a vibrant rural life, the misty tea-covered Western Ghats, wildlife reserves teeming with endemic flora and fauna and spice plantations running rampant on its valleys and hill slopes. One of the country's cleanest states, and perhaps the friendliest too, it is an absolute delight travelling around, visiting the historical temples and museums in Trivandrum, getting a slice of the maritime history in Cochin (Kochi) or taking a boat ride to islands like Mattancherry to trace its Jewish roots. Add to it a culture that is defined by colourful folk art and dance forms, a cuisine that is subtle yet generous in its use of spices, and a passion for Ayurveda that promises to soothe frazzled nerves. Simply slacken your stride and let all its sights and smell envelop you.

In your quest for Kerala packages, make sure your itinerary incorporates these places.

1. Alleppey
2. Wayanad
3. Fort Kochi

Ratings (0)

★★★★★

17,000 Book Now

Fig 4-10: Test Case 2 Output 2

## **Chapter 5 Conclusion**

### **Conclusion**

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#### **5.1 Conclusion**

Here we have presented the design of a tour management system that can provide the users with the required tourism guidance required anytime and anywhere. This is a combination of smartphone and Internet services. The tour management website contributes a reasonable way for the users to schedule their trips, since it provides detailed information about the tourist places including description, image and map. This method includes various features/services such as delivering customized packages, the distance between the source and destination location, Google maps, online ticket booking, etc. This process achieves its main goal by pertaining to real-time data.

#### **5.2 Limitations of the Work**

One major limitation is there are already existing websites providing such facilities that's why our main focus will be our affordable packages that might attract customers towards us.

#### **5.3 Suggestion and Recommendations for Future Work**

- The website interface would be more variant.
- Should be more informative.
- More packages should be introduced .

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## Source Code

---

Portal.php-

```
$review = $conn->query("SELECT * FROM rate_review where package_id='{ $row['id']}'");
    $review_count = $review->num_rows;
    $rate = 0;
    while($r= $review->fetch_assoc()){
        $rate += $r['rate'];
    }
    if($rate > 0 && $review_count > 0)
        $rate = number_format($rate/$review_count,0,"");
?>
<div class="col-md-4 p-4 ">
    <div class="box">
        "
            height="200rem" style="object-fit:cover">
        <div class="card-body">
            <h5 class="card-title truncate-1 w-100">
                <?php echo $row['title'] ?>
            </h5><br>
            <div class=" w-100 d-flex justify-content-start">
                <div class="stars stars-small">
                    <input disabled class="star star-5" id="star-5" type="radio" name="star" <?php
echo
                    $rate==5 ? "checked" : " ?>/> <label class="star star-5" for="star-5"></label>
                    <input disabled class="star star-4" id="star-4" type="radio" name="star" <?php
echo
                    $rate==4 ? "checked" : " ?>/> <label class="star star-4" for="star-4"></label>
```



```

        <input disabled class="star star-3" id="star-3" type="radio" name="star" <?php
echo
        $rate==3 ? "checked" : " ?>/> <label class="star star-3" for="star-3"></label>
        <input disabled class="star star-2" id="star-2" type="radio" name="star" <?php
echo
        $rate==2 ? "checked" : " ?>/> <label class="star star-2" for="star-2"></label>
        <input disabled class="star star-1" id="star-1" type="radio" name="star" <?php
echo
        $rate==1 ? "checked" : " ?>/> <label class="star star-1" for="star-1"></label>
    </div>
</div>
<p class="card-text truncate">
    <?php echo $row['description'] ?>
</p>
<div class="w-100 d-flex justify-content-end">
    <a href="./?page=view_package&id=<?php echo md5($row['id']) ?>"
        class="btn btn-sm btn-flat btn-warning">View Package <i
        class="fa fa-arrow-right"></i></a>
    </div>
</div>
</div>
</div>
<?php endwhile; ?>
</div>
<div class="d-flex w-100 justify-content-end">
    <a href="./?page=packages" class="btn btn-flat btn-warning mr-4">Explore Package <i
        class="fa fa-arrow-right"></i></a>
    </div>
</div>
</section>

```

```

<!-- About-->
<section class="page-section" id="about">
  <div class="container">
    <div class="text-center">
      <h2 class="section-heading text-uppercase">About Us</h2>
    </div>
    <div>
      <div class="card w-100">
        <div class="card-body">
          <?php echo file_get_contents(base_app.'about.html') ?>
        </div>
      </div>
    </div>
  </div>
</section>
<!-- Contact-->
<section class="page-section" id="contact" style="background-color:#4086cd; color:
black;">
  <div class="container">
    <div class="text-center">
      <h2 class="section-heading text-uppercase">Contact Us</h2>
      <h3 class="section-subheading text-muted">Send us a message for inquiries.</h3>
    </div>
    <!-- *****-->
    <!-- ** SB Forms Contact Form **-->
    <!-- *****-->
    <!-- This form is pre-integrated with SB Forms.-->
    <!-- To make this form functional, sign up at-->
    <!-- https://startbootstrap.com/solution/contact-forms-->
    <!-- to get an API token!-->

```

```

<form id="contactForm">
  <div class="row align-items-stretch mb-5">
    <div class="col-md-6">
      <div class="form-group">
        <!-- Name input-->
        <input class="form-control" id="name" name="name" type="text"
placeholder="Your Name *"
        required />
      </div>
      <div class="form-group">
<style>
/* header.masthead{
  background-image: url('<?php echo validate_image($_settings->info('cover')) ?>')
!important;
}
header.masthead .container{
  background:#0000006b;
} */
body {
  background: white;
}
html {
  scroll-behavior: smooth;
}
/* Video Sectio */

#bg-video {
  position: absolute;
  width: 100%;
  top: -229px;

```

```

right: 0px;
z-index: -1;
object-position: center;
object-fit: cover;
/* opacity: 0.5; */
/* filter: blur(2px); */
/* filter:brightness(75%); */
}
/* Home Section */
#home1 {
display: flex;
flex-direction: column;
padding: 3px 200px;
height: 305px;
justify-content: center;
align-items: center;
margin-bottom: 300px;
margin-top: 150px;
}
#home1 h1 {
font-size: 7rem;
font-weight: 700;
color: rgb(255, 255, 255);
text-align: center;
transition-property: all;
transition-duration: .4s;
}
#home1 h1:hover {
-webkit-text-stroke: 2px white;

```

```

    color: transparent;
    cursor: none;
}
#arrow {
    position: relative;
    bottom: -250px;
    /* right: 10px; */
    /* border: 2px solid white; */
    /* background:white; */
    border-radius: 50px;
}
#arrow svg {
    padding-top: 3px;
    color: white;
}

/* Packages section */
#packages-container {
    background: linear-gradient(to top left, rgba(255, 255, 255, 0.312), rgba(95, 108, 255, 0.351));
    padding: 2rem;
}
#packages {
    margin: 4px;
    padding: 2rem;
    margin-bottom: 0px;
    display: flex;
    flex-wrap: wrap;
}
#packages-container h1 {

```

```

display: block;
margin: auto;
margin-top: 30px;
}
#packages .box {
height: 550px;
width: 400px;
border: 2px solid rgb(47, 0, 190);
padding: 3px;
margin: 3px 41px;
margin-bottom: 40px;
border-radius: 28px;
background-color: rgba(6, 99, 248, 0.082);
box-shadow: 0px 0px 40px -2px grey;
transition-property: all;
transition-duration: .3s;
}
#packages .box:hover {
box-shadow: 0px 0px 50px 2px grey;
border: 3px solid rgb(47, 0, 190);
transform: scale(1.1);
z-index: 2;
cursor: pointer;
}
#packages .box img {
/* width: 300px; */
height: 200px;
display: block;
margin: 0px 100px;

```

```

margin-top: 10px;
margin-left: 45px;
/* padding:10px 100px; */
border-radius: 10px;
}
#packages .box p {
font-family: 'Baloo Bhaijaan 2', cursive;
font-size: 1.1rem;
margin-bottom: 0rem;
}
#packages .box span {
font-family: 'Baloo Bhaijaan 2', cursive;
padding: 2px 10px;
font-size: 23px;
margin-top: 100px;
/* color: white; */
border-radius: 10px;
/* background-color: rgba(5, 50, 255, 0.352); */
margin-left: 20px;
}
/* Utility classes */
.h-primary {
font-size: 3rem;
text-emphasis: bold;
padding: 5px;
font-family: 'Baloo Bhaijaan 2', cursive;
}
.h-secondary {
font-size: 2.5rem;

```

```

padding: 12px;
font-family: 'Baloo Bhaijaan 2', cursive;
}
.center {
text-align: center;
}
</style>
<!-- Masthead-->
<div id="bg-video">

<div id="carouselExampleIndicators" class="carousel slide" data-ride="carousel">
  <ol class="carousel-indicators">
    <li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>
    <li data-target="#carouselExampleIndicators" data-slide-to="1"></li>
    <li data-target="#carouselExampleIndicators" data-slide-to="2"></li>
  </ol>
  <div class="carousel-inner">
    <div class="carousel-item active">
      <video autoplay muted loop plays-inline src="img/Sea - 6399.mp4"></video>
      <!--  -->
    </div>
    <div class="carousel-item">
      <video autoplay muted loop plays-inline src="img/Beach - 7277.mp4"></video>
      <!--  -->
    </div>
    <div class="carousel-item">
      <video autoplay muted loop plays-inline src="img/Lake - 52849.mp4"></video>
      <!--  -->
    </div>
  </div>
</div>

```



```

</div>
<a class="carousel-control-prev" href="#carouselExampleIndicators" role="button"
data-slide="prev">
  <span class="carousel-control-prev-icon" aria-hidden="true"></span>
  <span class="sr-only">Previous</span>
</a>
<a class="carousel-control-next" href="#carouselExampleIndicators" role="button" data-
slide="next">
  <span class="carousel-control-next-icon" aria-hidden="true"></span>
  <span class="sr-only">Next</span>
</a>
</div>
</div>
<section id="home1">
  <h1>Discover The Whole World</h1>
  <div id="arrow">
    <a href="#ph"> <svg xmlns="http://www.w3.org/2000/svg" width="50" height="50"
fill="currentColor"
      class="bi bi-chevron-down" viewBox="0 0 16 16">
        <path fill-rule="evenodd"
          d="M1.646 4.646a.5.5 0 0 1 .708 0L8 10.293l5.646-5.647a.5.5 0 0 1 .708.708l-6 6a.5.5
0 0 1-.708 0l-6-6a.5.5 0 0 1 0-.708z" />
        </svg></a>
      </div>
    </section>
    <!-- Services -->
    <section class="" id="packages-container">
      <h1 class="h-primary center" id="ph">Some Packages We Offer</h1>
      <section class="" id="packages">
        <div class="">
          <!-- <h2 class="text-center">Tour Packages</h2> -->

```

```

<!-- <div class="d-flex w-100 justify-content-center">
    <hr class="border-warning" style="border:3px solid" width="15%">
</div> -->
<div class="row">
<?php
$packages = $conn->query("SELECT * FROM packages order by rand() limit 3");
while($row = $packages->fetch_assoc() ):
    $cover='';
    if(is_dir(base_app.'uploads/package_'.$row['id'])) {
        $img = scandir(base_app.'uploads/package_'.$row['id']);
        $k = array_search('.', $img);
        if($k !== false)
            unset($img[$k]);
        $k = array_search('..', $img);
        if($k !== false)
            unset($img[$k]);
        $cover = isset($img[2]) ? 'uploads/package_'.$row['id'].'/'.$img[2] : '';
    }
    $row['description'] =
strip_tags(stripslashes(html_entity_decode($row['description'])));
<!-- Email address input-->
    <input class="form-control" id="email" name="email" type="email"
placeholder="Your Email *"
        data-sb-validations="required,email" />
</div>
<div class="form-group mb-md-0">
    <input class="form-control" id="subject" name="subject" type="subject"
        placeholder="Subject *" required />
</div>
</div>

```

```

<div class="col-md-6">
  <div class="form-group form-group-textarea mb-md-0">
    <!-- Message input-->
    <textarea class="form-control" id="message" name="message" placeholder="Your
Message *"
      required></textarea>
  </div>
</div>
</div>
</div>
<div class="text-center"><button class="btn btn-primary btn-xl text-uppercase"
id="submitButton"
  type="submit">Send Message</button></div>
</form>
</div>
</section>
<script>
$(function () {
  $('#contactForm').submit(function (e) {
    e.preventDefault()
    $.ajax({
      url: _base_url_ + "classes/Master.php?f=save_inquiry",
      method: "POST",
      data: $(this).serialize(),
      dataType: "json",
      error: err => {
        console.log(err)
        alert_toast("an error occurred", 'error')
        end_loader()
      },
      success: function (resp) {

```

```
if (typeof resp == 'object' && resp.status == 'success') {  
  alert_toast("Inquiry sent", 'success')  
  $('#contactForm').get(0).reset()  
} else {  
  console.log(resp)  
  alert_toast("an error occurred", 'error')  
  end_loader()  
}  
}  
})  
})  
})  
</script>
```