



**DEPARTMENT OF INFORMATION AND
COMMUNICATION TECHNOLOGY,
VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT**

PROJECT REPORT
Tour Management System

AS PARTIAL REQUIREMENT FOR DEGREE OF
MASTER OF SCIENCE IN INFORMATION AND
COMMUNICATION TECHNOLOGY (MSC ICT)

2020 – 2021

SEMESTER - 1

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Department of Information and communication Technology

M.S.C ICT Program

Certificate

This is to certify that Bakraniya Mayur P exam seat no. 2021018621 has work on project entitled Tour Management at Department ICT as a partial fulfilment of the requirement for 1st Sem – M.S.C (Information and communication Technology). during the academic Year 2021-22.

Date : 09/03/2022

Place : Surat

Course Co-ordinator
M.Sc. (I.C.T.) Programme.
Department of ICT,
Veer Narmad South Gujarat
University, Surat

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Acknowledgement

It was an educational phase while studying at the M.Sc. (ICT) working with highly devoted computer teacher's community and will probably remain the most memorable experience of my life. Hence this acknowledgement out is a humble attempt to thank earnestly all those who were directly or indirectly involved in my project work and were of immense help to me.

We take rather special privilege of thanking to our project guide **Dr Kamlendu Kumar Panday** including all the faculties for making the resources available within the institute for the project work.

And finally, there was an always will be the love of all the professors. Who have taught us for what are written in this report have been the fruits of experience that they have taught us.

Thanking All

Abstract

At the name specifies “**TOURISM MANAGEMENT SYSTEM**” is a software developed for managing tour booking.

Identification of the drawbacks of the existing system leads to the designing of computerized system that will be compatible to the existing system with the system which is more user friendly and more GUI oriented. We can improve the efficiency of the system, thus overcome the drawbacks of the existing system.

- Less human error.
- Strength and strain of manual labour can be reduced.
- Heigh security.
- Data redundancy can be avoided to some extent.
- Data consistency.
- Easy to handle.
- Easy data updating.
- Easy record keeping.
- Backup data can be easily generated.

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❖ Objective :

- The objective of the project is to develop a system that automates the processes and activities of a travel and tourism agency.
- The purpose is to design a system using which one can perform all operations related to traveling and sight-seeing.

❖ Existing System :

- In the present system a customer has to approach various agencies to find details of places and to book tickets.
- This often requires a lot of time and effort.
- A customer may not get the desired information from these offices and often the customer may be misguided.
- It is tedious for a customer to plan a particular journey and have it executed properly.

❖ Proposed System :

- The proposed system is a web based application and maintains a centralized repository of all related information.
- The system allows one to easily access the relevant information and make necessary travel arrangements.
- Users can decide about places they want to visit and make bookings online for travels and accommodation.

❖ Functional Requirements :

• Number of Modules :

After careful analysis the system has been identified to have the following modules :

- 1). Administrator module
- 2). User(Traveller) module
- 3). Guest User

1. Administrator module :

This module provides administrator related functionality. Administrator manages all information and has access rights to add, delete, edit and view the data related to places, travels, routes, bookings, Enquiries etc.

Packages : Admin will create the packages and Manage the packages(Create, Update, delete)

Users : Admin view all Information of all users.

Booking : Admin will responsible for manage booking. Admin can confirm and cancel a booking of traveller.

Manage issues/ Complaints : Admin can take action on any issue /complaint raised by user(traveller) and Put remark.

Manage Enquiries : admin can manage all enquiries raised by users(traveller).

Manage pages : Admin can edit the info of all pages that are display on the website,

Dashboard : Here admin can view all count of booking, issues , Enquiries and Users .

Change password : Admin can change own password.

2. User(Traveller) module :

SignUp : User can register yourself for booking.

SignIn : Here user can login with valid username and password.

Forget Password : User can recover his/her own password

My Profile : User can update own profile

Change Password : User can own Password

Tour history : After login user can book any tour that will show in tour history. User can cancel his/her booking before 24 hr of travailing

Write-use : Here user can raise issue related to booking. Cancelation etc.

3. Guest module :

Guest user can visit the website and view the all content of website. Guest user can also Enquiry.

❖ System Requirements :

▪ Hardware Configuration :

- 1). Apple M1 chip
- 2). 8GB RAM
- 3). 512GB SSD

▪ Software Configuration :

- 1). Apache NetBeans 12.4
- 2). Memcached Server
- 3). Payara server
- 4). PhpMyAdmin

▪ Technologies :

○ Core Technologies :

- 1). PhpMyAdmin
- 2). Java
- 3). HTML
- 4). CSS

○ Extra Technologies :

- 1). jQuery
- 2). JavaScript
- 3). CSS
- 4). Java Server Faces
- 5). AJAX

❖ Core Technology :

- **Java** :

Java is a modern, evolutionary computing language that combines an elegant language design with powerful features that were previously available primarily in specialty languages. In addition to the core language components, Java software distributions include many powerful, supporting software libraries for tasks such as database, network, and graphical user interface (GUI) programming. In this section, we focus on the core Java language features. Java is a true object-oriented (OO) programming language.

The main implication of this statement is that in order to write programs with Java, you must work within its object-oriented structure.

Object-oriented languages provide a framework for designing programs that represent real-world entities such as cars, employees, insurance policies, and so on. Representing real-world entities with nonobject-oriented languages is difficult because it's necessary to describe entities such as a truck with rather primitive language constructs such as Pascal's record, C's struct, and others that represent data only. The behaviour of an entity must be handled separately with language constructs such as procedures and/or functions, hence, the term procedural programming languages. Given this separation, the programmer must manually associate a data structure with the appropriate procedures that operate on, that is, manipulate, the data. In contrast, object-oriented languages provide a more powerful class construct for representing user-defined entities.

The class construct supports the creation of user-defined data types, such as Employee, that represent both the data that describes a particular employee and the manipulation or use of that data. Java programs employ

user-defined data types liberally. Designing nontrivial Java classes requires, of course, a good working knowledge of Java syntax.

The following sections, illustrate Java syntax and program design in the context of several Java class definitions.



- **PhpMyAdmin :**

phpMyAdmin is an open-source software tool introduced on **September 9, 1998**, which is written in PHP. Basically, it is a third-party tool to manage the tables and data inside the database. phpMyAdmin supports various type of operations on **MariaDB** and **MySQL**. The main purpose of phpMyAdmin is to handle the administration of MySQL over the web.

It is the most popular application for MySQL database management. We can create, update, drop, alter, delete, import, and export MySQL database tables by using this software. phpMyAdmin also supports a wide range of operation like **managing databases, relations, tables, columns, indexes, permissions, and users**, etc., on MySQL and MariaDB. These operations can be performed via user interface, while we still have the ability to execute any SQL statement.

phpMyAdmin is translated into **72 languages** and also supports both **RTL** and **LTR languages** so that the wide range of people can easily use this software. We can run MySQL queries, repair, optimized, check tables, and also execute other database management commands. phpMyAdmin can also be used to perform administrative tasks such as **database creation, query execution.**

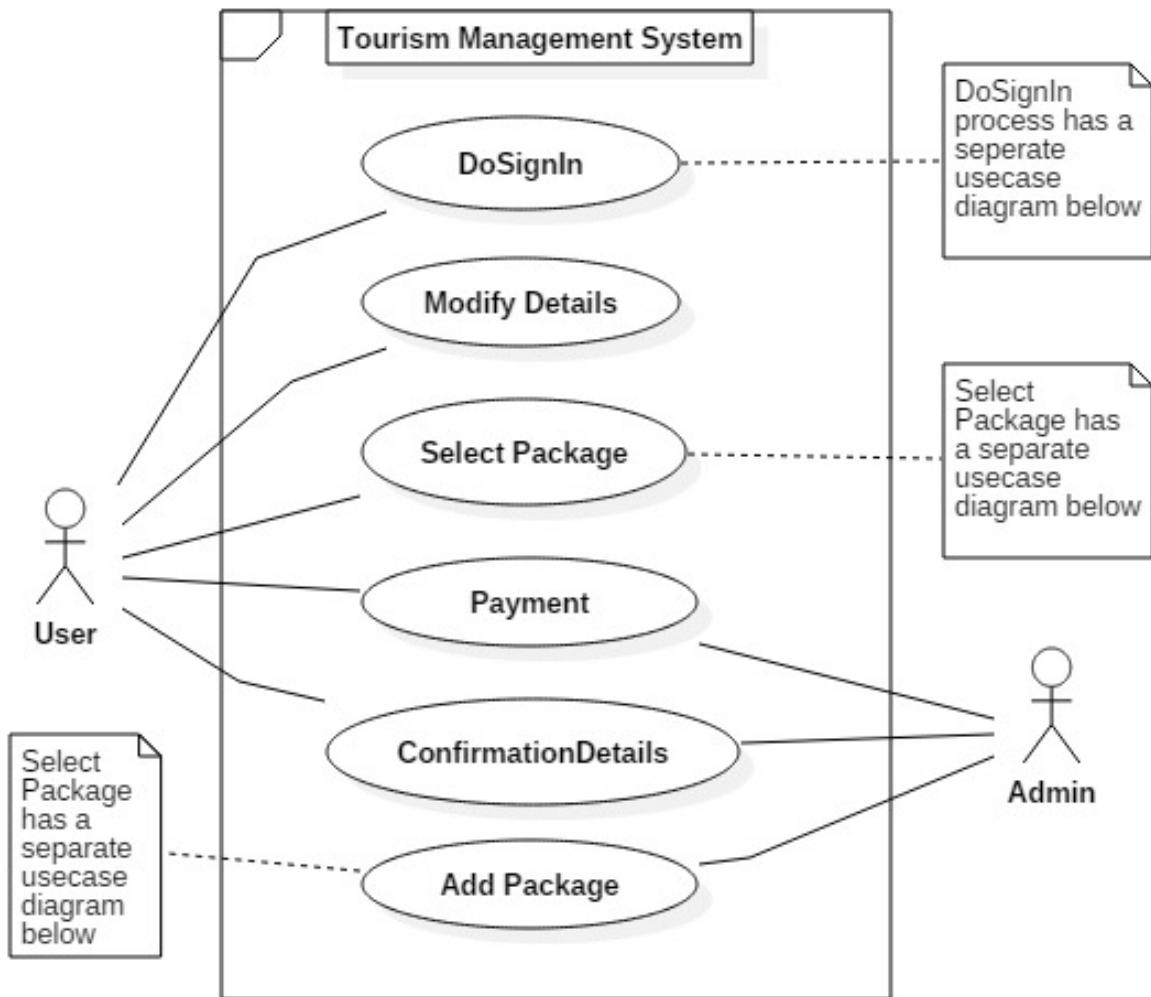
phpMyAdmin is a **GUI-based application** which is used to manage MySQL database. We can manually create database and table and execute the query on them. It provides a web-based interface and can run on any server. Since it is web-based, so we can access it from any computer.



- **Ajax :**

The term ajax is used to describe a set of technology that allows browsers to provide users with a more natural browsing experience. Before ajax, websites forced their users into the submit / wait / redisplay paradigm, where user actions were always synchronized with the server “think time”. Ajax provides the ability to communicate with the servers asynchronously, thereby freeing the user experience from the request / response cycle.

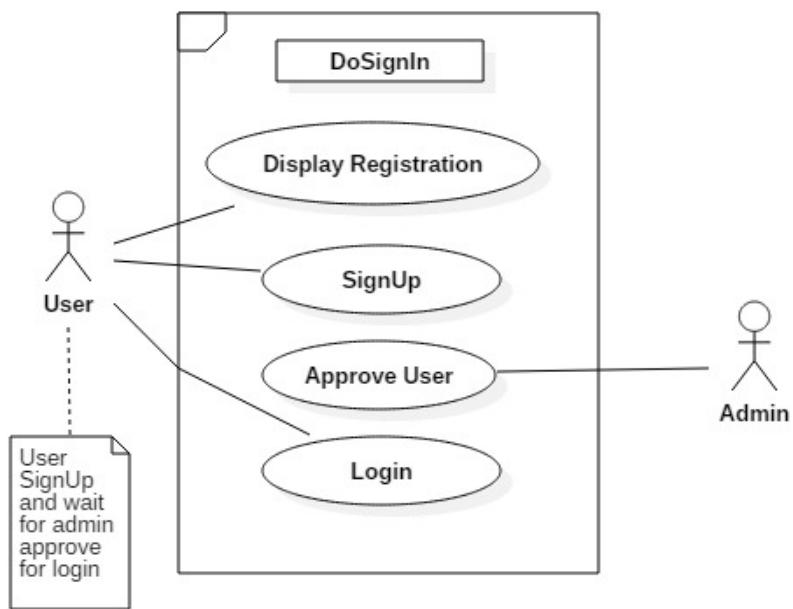
❖ Use Case Diagram :



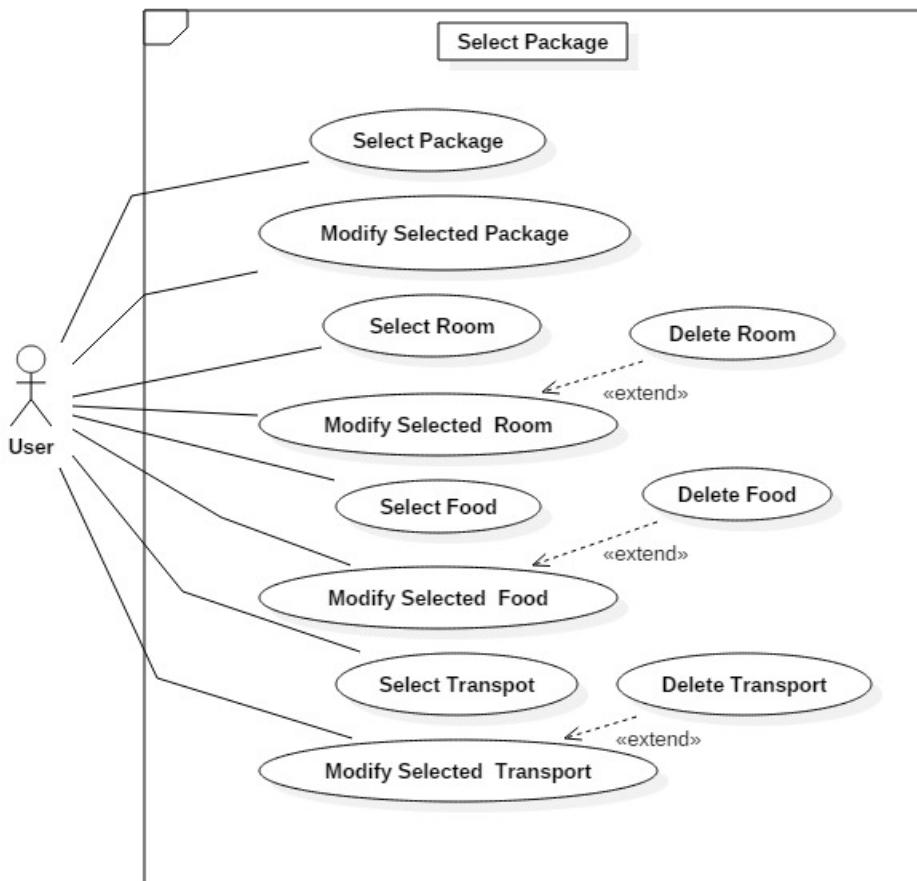
Note :

In this use case we can see from user side and from admin side as the high cut side and we can see the add package use case separately for user and admin. He also can see the do sign in use case from user separately.

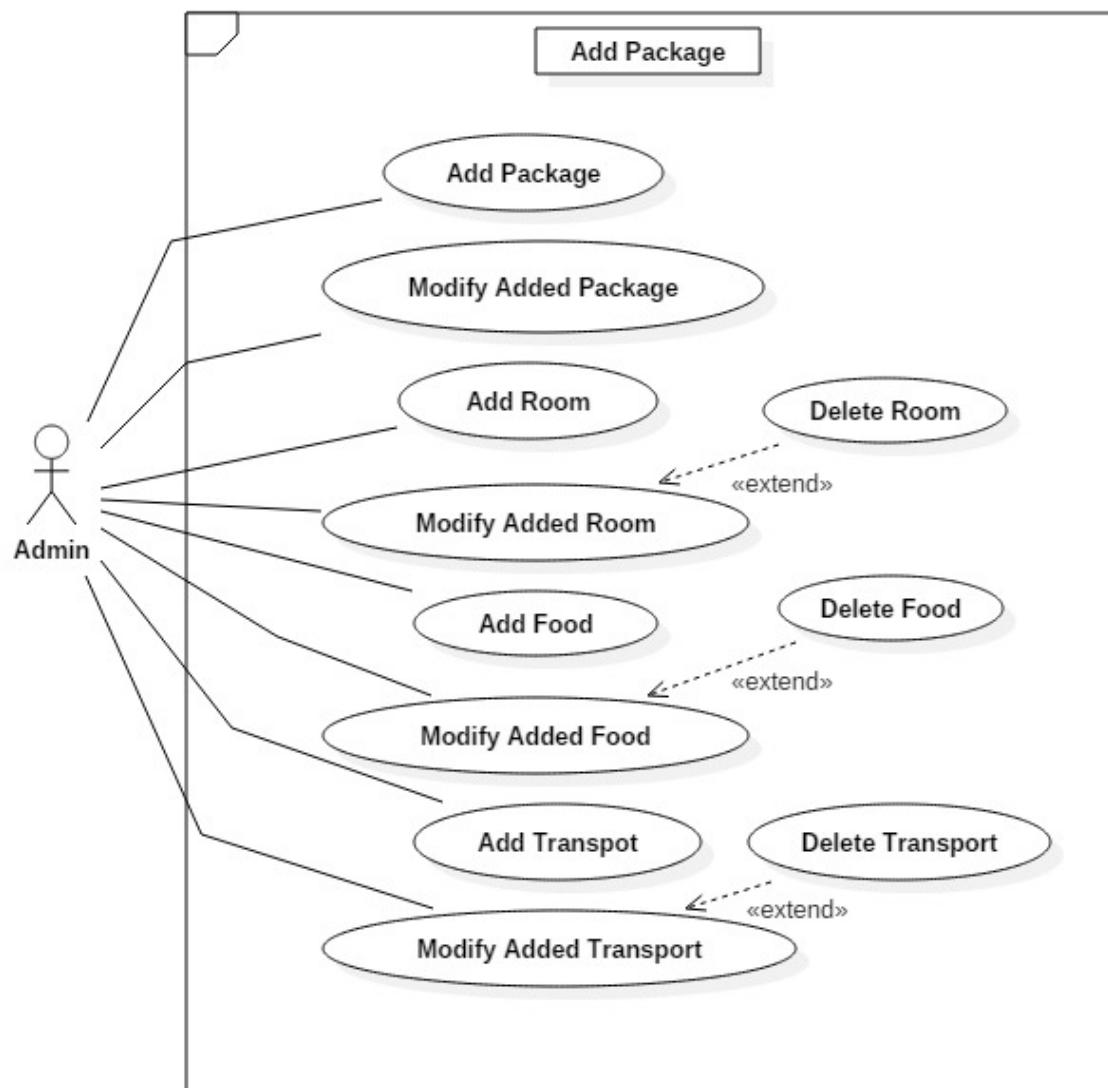
- **SignIn Use Case diagram :**



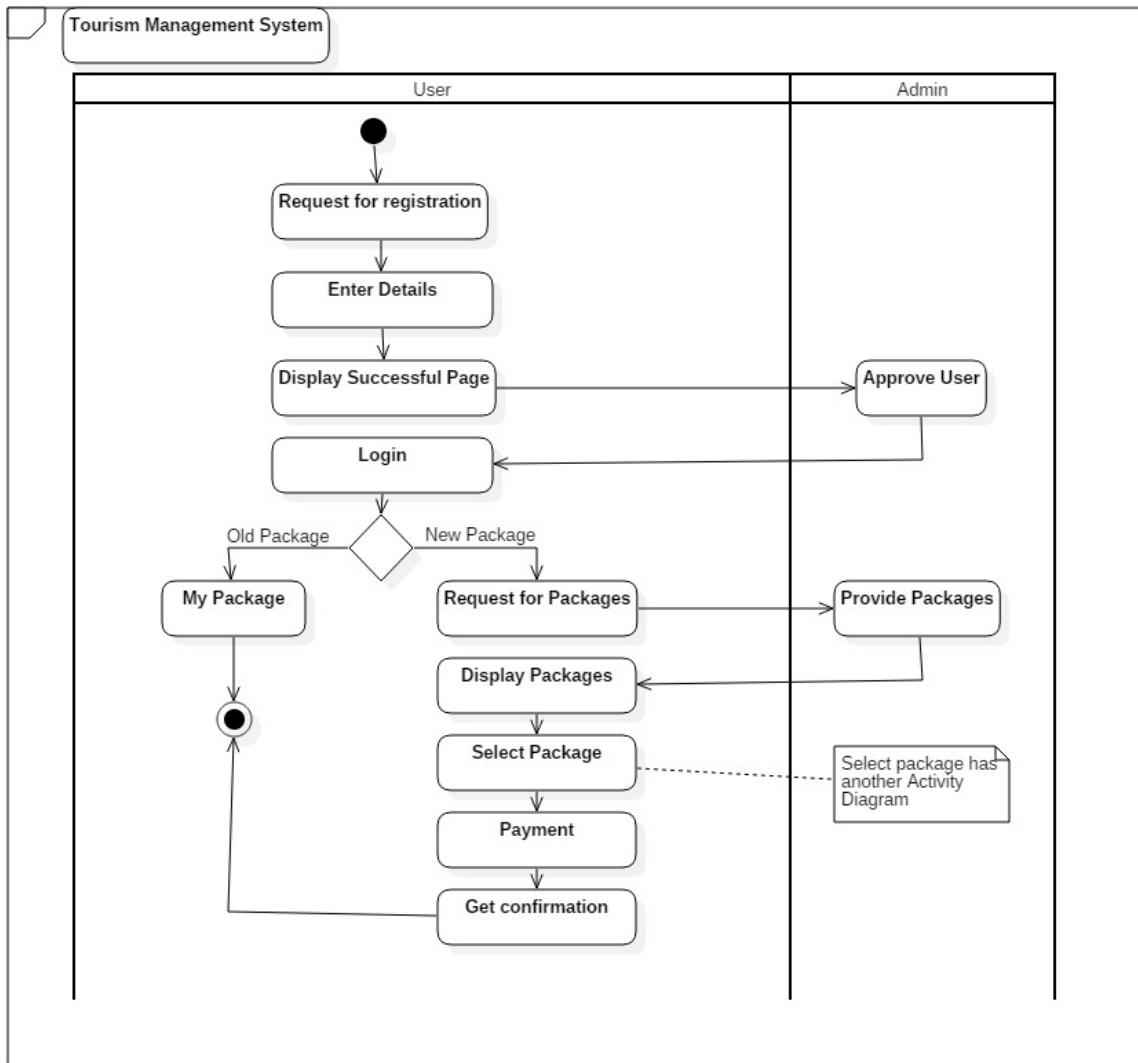
- **Select Package Use Case diagram :**



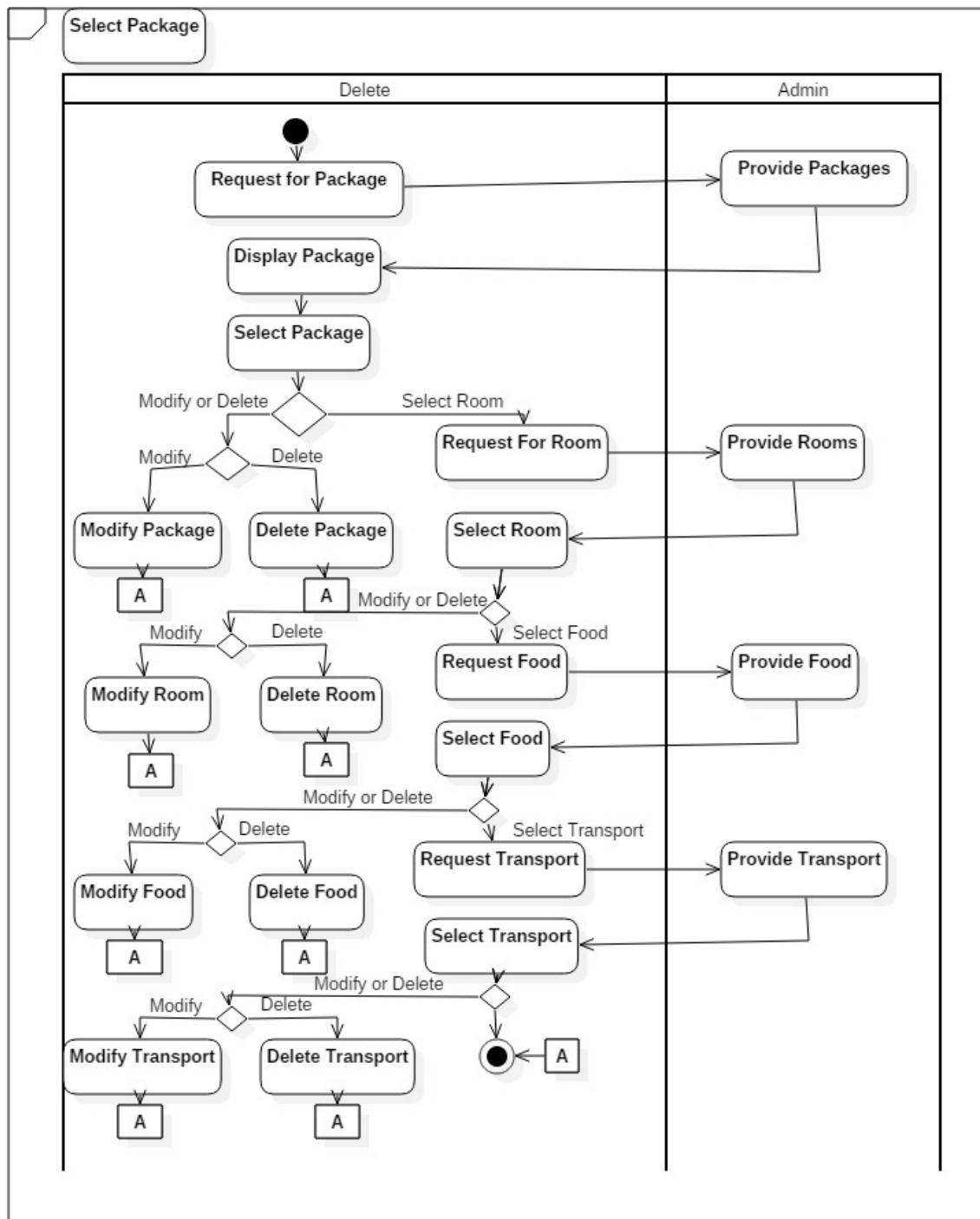
- Add Package Use Case diagram :



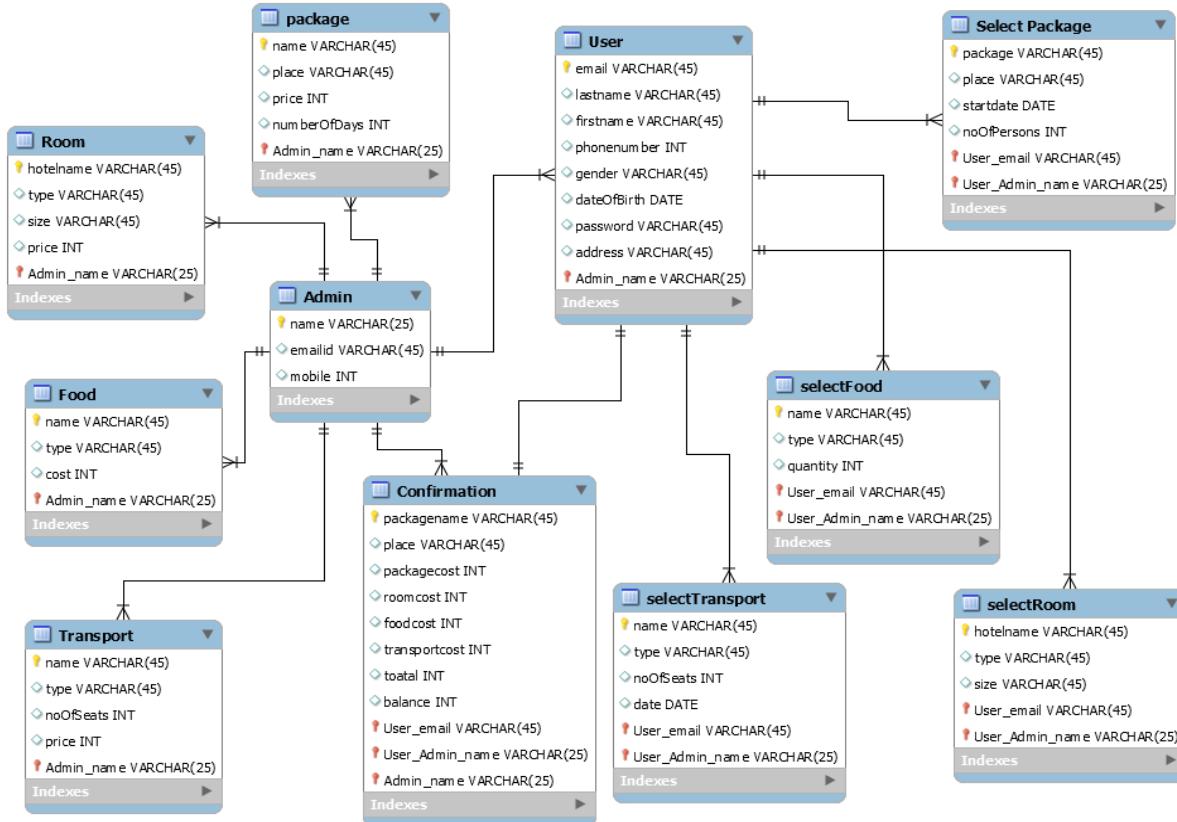
❖ Activity Diagram :



- Select Package Use Case diagram :

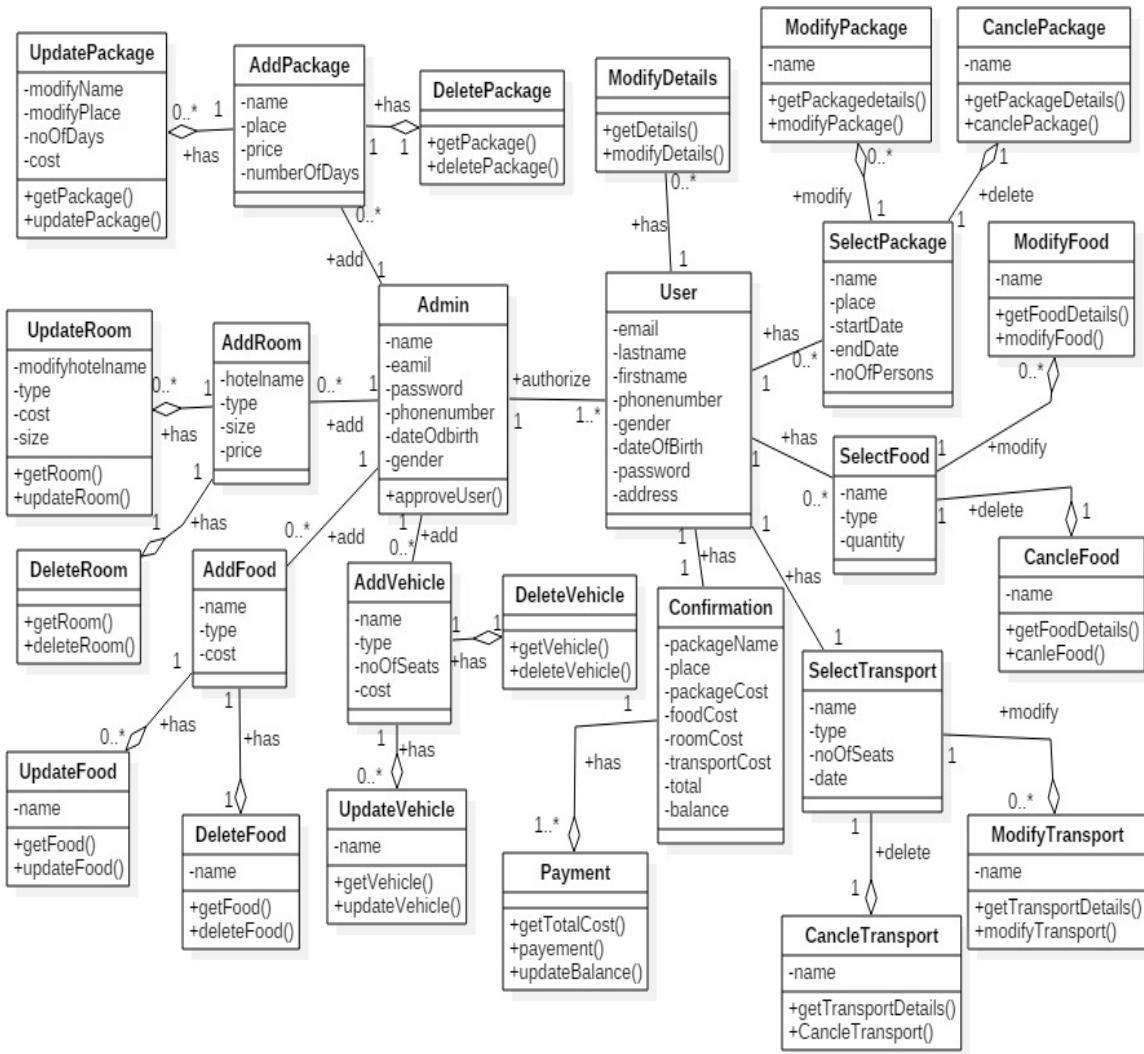


- **ER Diagram :**



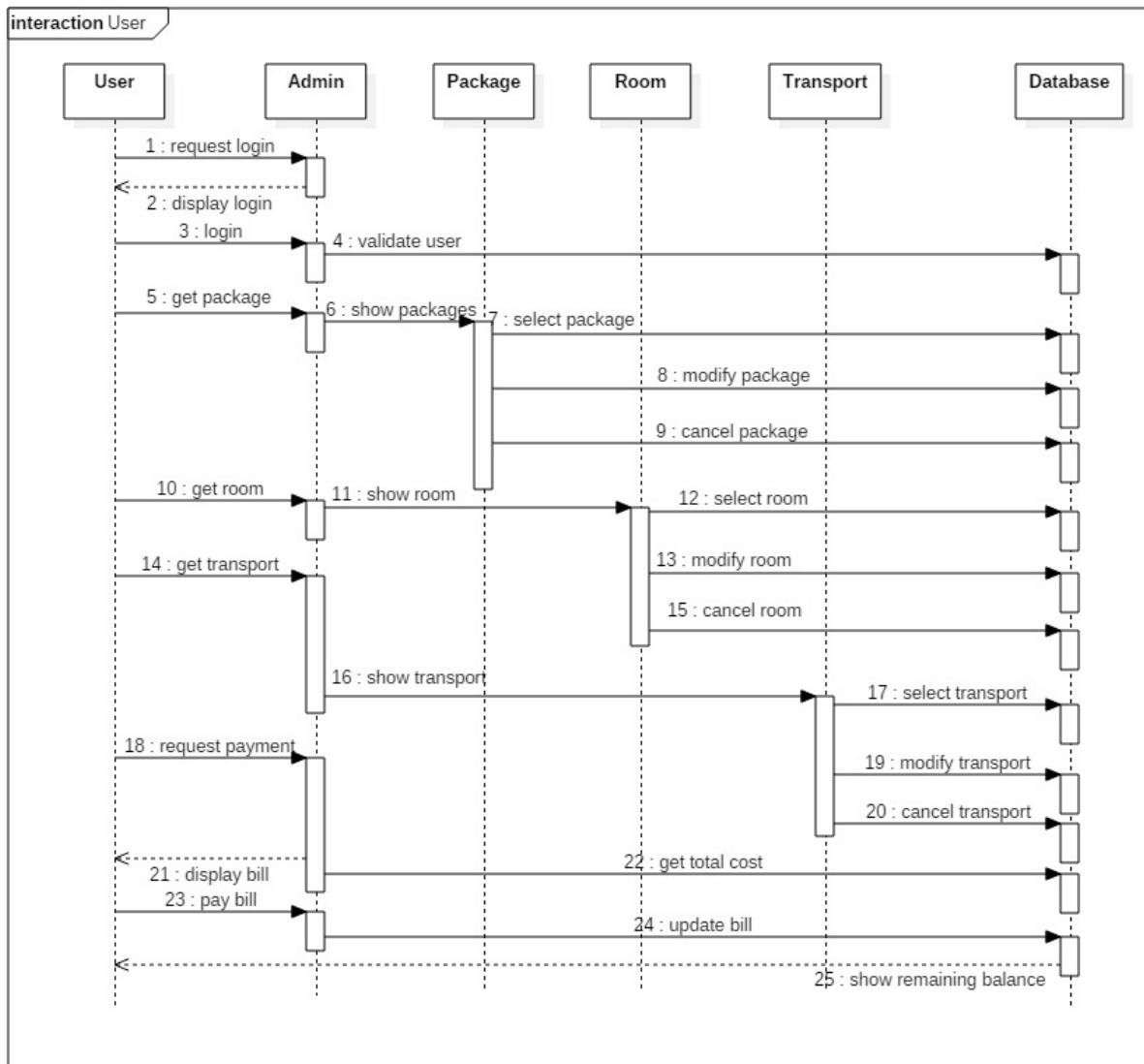
- **User**: this stores the data of user information
- **Package**: stores the data of all the packages added by admin
- **Food**: stores all the data of food added by admin
- **Room**: stores the data of all the rooms added by admin
- **Transport**: stores all the data of transport added by admin
- **Confirmation**: stores all the payment details of all users
- **Selectpackage**: stores all data of selected packages by all users
- **Selectfood**: stores all data of selected food by all users
- **Selectroom**: stores all data of selected room by all users

■ Class Diagram :

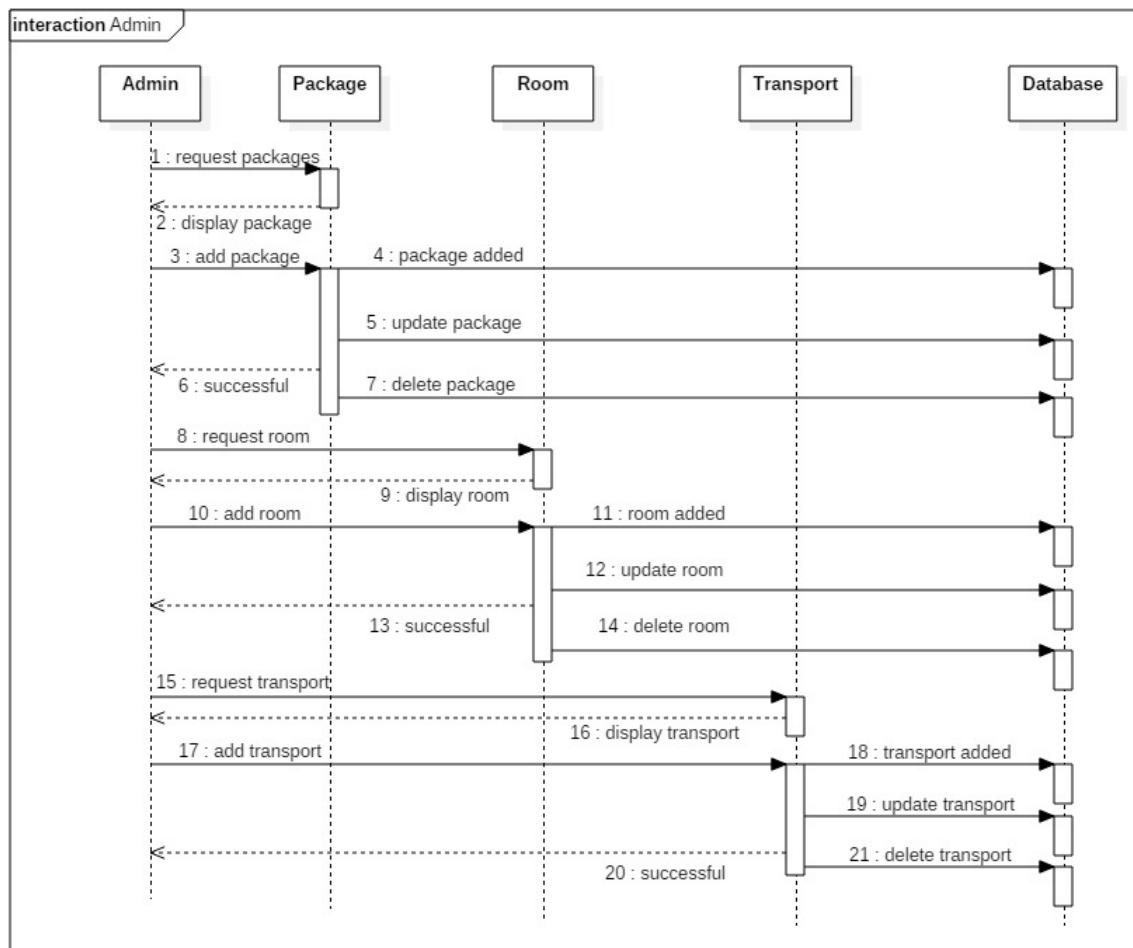


❖ Sequence Diagram :

- Use sequence diagram :



- Admin sequence diagram :



❖ Database Table :

- **Database : Tour Booking**
- **Table : Booking**
- **Purpose : dumping Data**

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|--|------------|-----------|------------|------|---------|----------|----------------|--|
| 1 | id  | int(11) | | | No | None | | AUTO_INCREMENT |  Change  Drop  More |
| 2 | user_id  | int(11) | | | No | None | | |  Change  Drop  More |
| 3 | package_id  | int(11) | | | No | None | | |  Change  Drop  More |
| 4 | amount | int(11) | | | No | None | | |  Change  Drop  More |
| 5 | status | tinyint(1) | | | No | None | | |  Change  Drop  More |

- **Database: tour_booking**
- **Table: package_tbl**
- **Purpose: Dumping data**

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|----|--|--------------|-----------------|------------|------|---------|----------|----------------|--|
| 1 | id  | int(11) | | | No | None | | AUTO_INCREMENT |  Change  Drop  More |
| 2 | name | varchar(100) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 3 | description | text | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 4 | place | varchar(100) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 5 | price | int(11) | | | No | None | | |  Change  Drop  More |
| 6 | number_of_days | int(11) | | | No | None | | |  Change  Drop  More |
| 7 | type | varchar(100) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 8 | transportation_type | varchar(100) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 9 | food_detail | text | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 10 | hotel_name | varchar(100) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 11 | package_images | text | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 12 | status | tinyint(1) | | | No | None | | |  Change  Drop  More |

- **Database : Tour Booking**
- **Table : Payment**
- **Purpose : dumping Data**

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|--------------|------------|-----------|------------|------|---------|----------|----------------|--------------------|
| 1 | id 🔑 | int(11) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | amount | int(11) | | | No | None | | | Change Drop More |
| 3 | user_id 🔑 | int(11) | | | No | None | | | Change Drop More |
| 4 | booking_id 🔑 | int(11) | | | No | None | | | Change Drop More |
| 5 | package_id 🔑 | int(11) | | | No | None | | | Change Drop More |
| 6 | status | tinyint(1) | | | No | None | | | Change Drop More |

- **Database: tour_booking**
- **Table: Support**
- **Purpose: Dumping data**

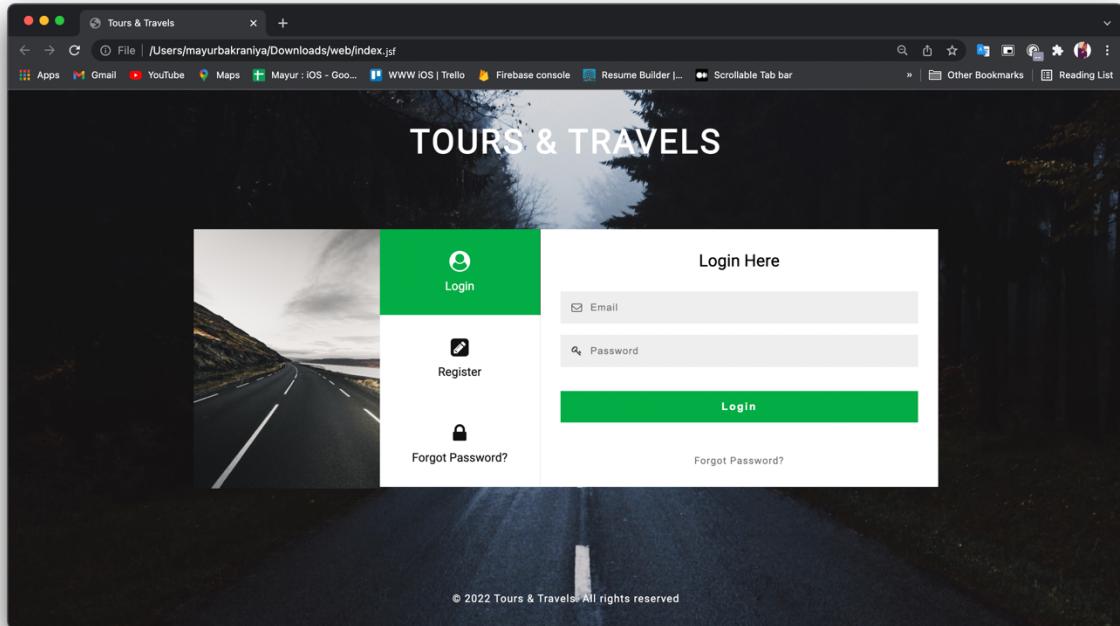
| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|-------------|--------------|-----------------|------------|------|---------|----------|----------------|--------------------|
| 1 | id 🔑 | int(11) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | email | varchar(100) | utf8_general_ci | | No | None | | | Change Drop More |
| 3 | name | varchar(100) | utf8_general_ci | | No | None | | | Change Drop More |
| 4 | mobile | int(11) | | | No | None | | | Change Drop More |
| 5 | subject | varchar(100) | utf8_general_ci | | No | None | | | Change Drop More |
| 6 | description | text | utf8_general_ci | | No | None | | | Change Drop More |

- **Database : Tour Booking**
- **Table : User**
- **Purpose : dumping Data**

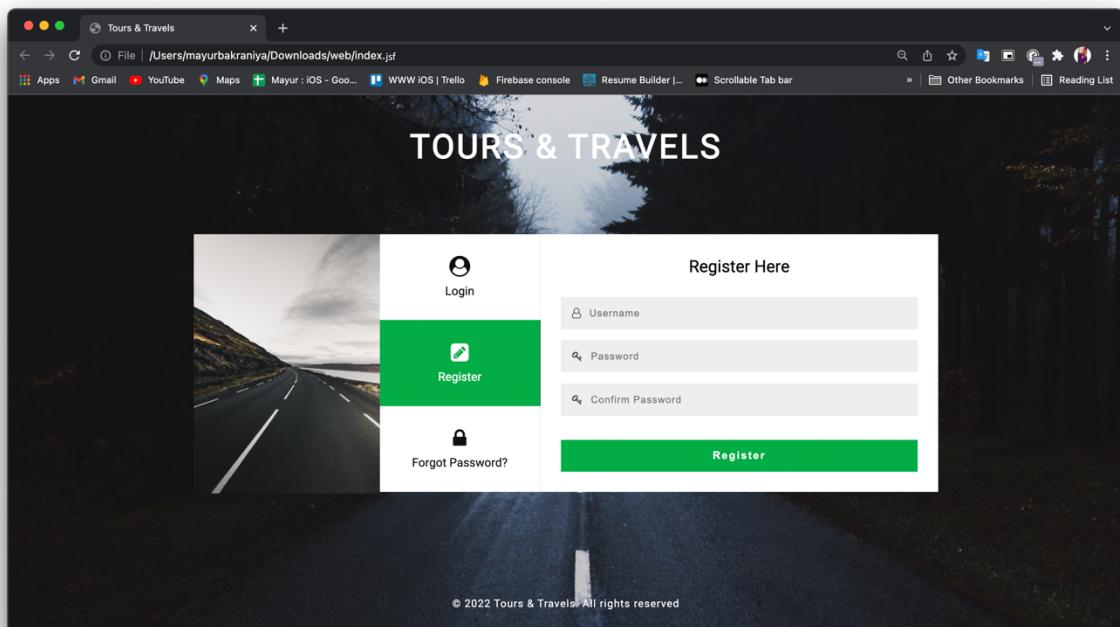
| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|----|---|--------------|-----------------|------------|------|---------|----------|----------------|---|
| 1 | id  | int(11) | | | No | None | | AUTO_INCREMENT |  Change  Drop  More |
| 2 | first_name | varchar(100) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 3 | last_name | varchar(100) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 4 | email | varchar(100) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 5 | mobile | int(10) | | | No | None | | |  Change  Drop  More |
| 6 | gender | varchar(10) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 7 | date_of_birth | date | | | No | None | | |  Change  Drop  More |
| 8 | password | varchar(100) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 9 | address | text | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 10 | role | varchar(10) | utf8_general_ci | | No | None | | |  Change  Drop  More |
| 11 | status | tinyint(1) | | | No | None | | |  Change  Drop  More |

❖ Interface design :

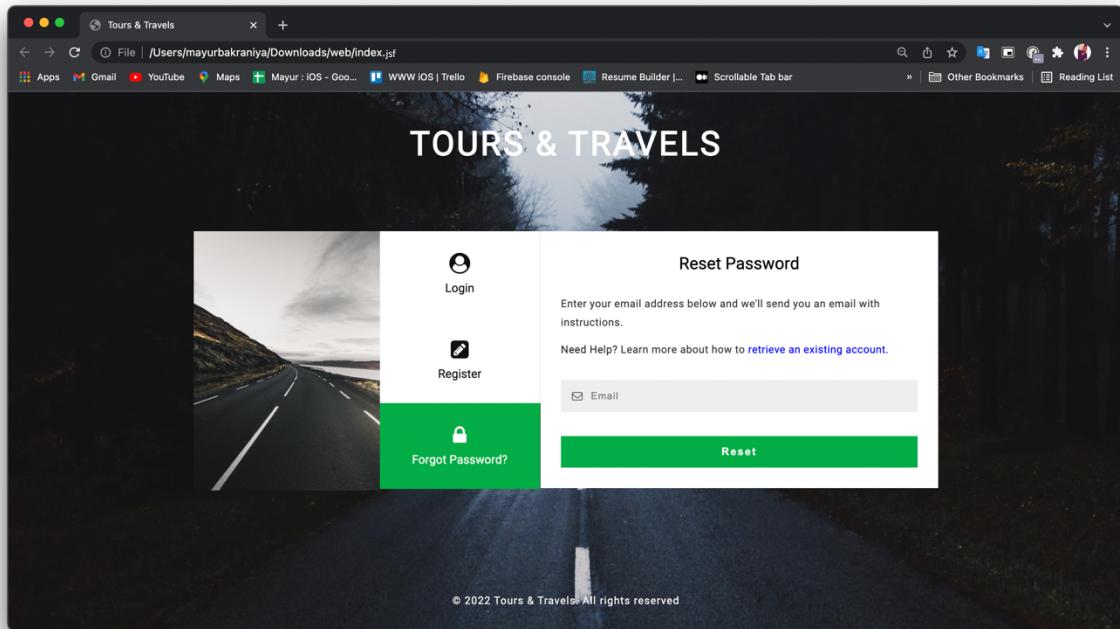
Login Screen :



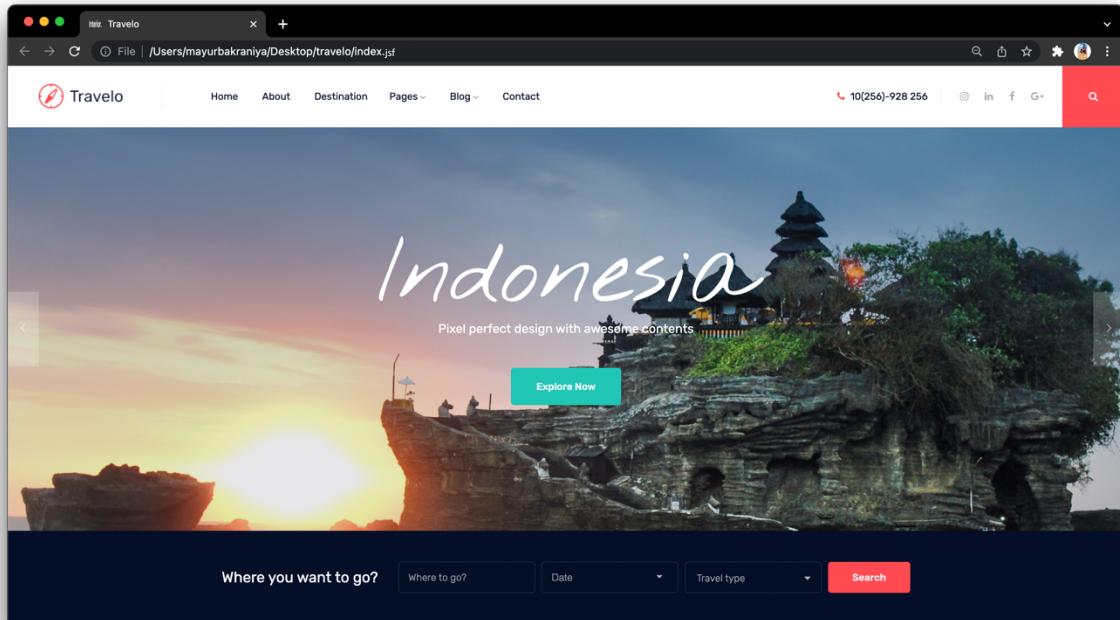
Register Screen :



Forget Password Screen :



User Home Screen :



Travelo

Home About Destination Pages Blog Contact 10(256)-928 256 in f G+ Q

Subscribe Our Newsletter
Subscribe newsletter to get offers and about new places to discover.

Your mail Subscribe

Popular Places

Suffered alteration in some form, by injected humour or good day randomised booth anim 8-bit hella wolf moon beard words.


\$500 California United States of America 01 Photo 01 Video 01 Article 01 Comment


\$500 Korala Megna United States of America 01 Photo 01 Video 01 Article 01 Comment


\$500 London United States of America 01 Photo 01 Video 01 Article 01 Comment

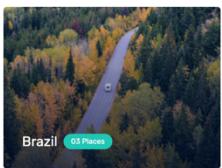
Travelo

Home About Destination Pages Blog Contact 10(256)-928 256 in f G+ Q

Popular Destination

Suffered alteration in some form, by injected humour or good day randomised booth anim 8-bit hella wolf moon beard words.


Italy 07 Places 01 Photo 01 Video 01 Article 01 Comment


Brazil 03 Places 01 Photo 01 Video 01 Article 01 Comment


America 10 Places 01 Photo 01 Video 01 Article 01 Comment


Nepal 02 Places 01 Photo 01 Video 01 Article 01 Comment


Maldives 02 Places 01 Photo 01 Video 01 Article 01 Comment


Indonesia 05 Places 01 Photo 01 Video 01 Article 01 Comment

The screenshot shows the homepage of the Travelo website. At the top, there is a navigation bar with links for Home, About, Destination, Pages, Blog, and Contact. A phone icon with the number 10(256)-928 256 is also present. Below the navigation is a large banner image of a lush green landscape with a lake and mountains. Overlaid on the banner is the text "Enjoy Video" and a central play button icon. Below the banner, there are three service icons: a bus icon labeled "Comfortable Journey", a hotel icon labeled "Luxuries Hotel", and a globe icon labeled "Travel Guide". Each service has a short description below it.

Comfortable Journey
A wonderful serenity has taken to the possession of my entire soul.

Luxuries Hotel
A wonderful serenity has taken to the possession of my entire soul.

Travel Guide
A wonderful serenity has taken to the possession of my entire soul.

The screenshot shows a section titled "Recent Trips" on the Travelo website. It features three trip cards, each with a date, a title, and a small image. The first card shows a traditional building by a lake, the second shows a person with long hair looking at a snowy mountain, and the third shows a person on a motorcycle in front of a stone wall.

Oct 12, 2019
Journeys Are Best Measured In New Friends

Oct 12, 2019
Journeys Are Best Measured In New Friends

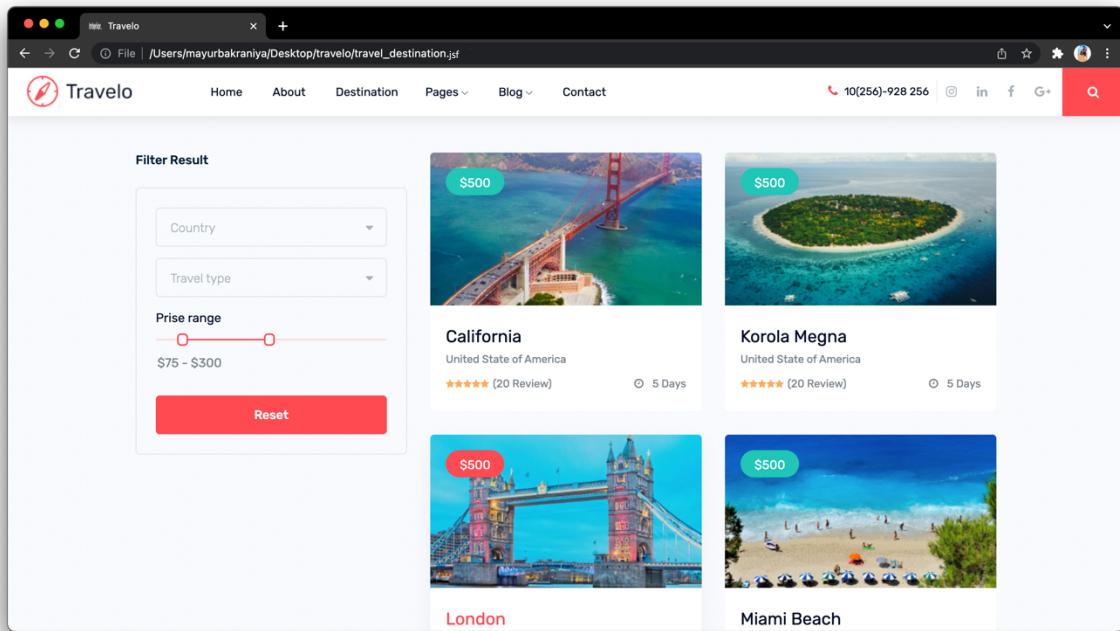
Oct 12, 2019
Journeys Are Best Measured In New Friends

The screenshot shows the homepage of the Travelo website. At the top, there's a navigation bar with links for Home, About, Destination, Pages, Blog, and Contact. A phone icon and the number 10(256)-928 256 are also present. Below the navigation, there are three cards, each with a date (Oct 12, 2019) and the same title: "Journeys Are Best Measured In New Friends". The main content area features a dark background with a grid of travel-related images. At the bottom, there's a footer section with the Travelo logo, company information (address: 5th flora, 700/D Kings road, green lane New York-1782, phone: +10 367 826 2567, email: contact@carpenter.com), links to Company (Pricing, About, Gallery, Contact), Popular Destinations (Indonesia, India, Italy, France), and Instagram posts.

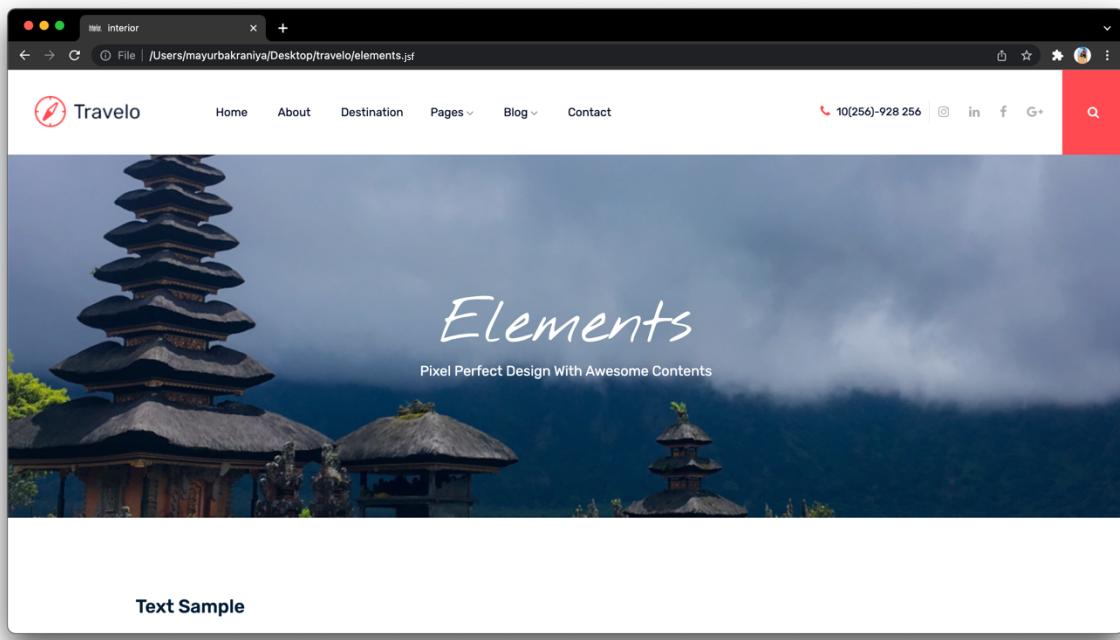
About Screen :

The screenshot shows the "About" page of the Travelo website. The top navigation bar is identical to the homepage. The main content area features a large heading "Our Story" followed by two paragraphs of text. The first paragraph discusses consulting success and company direction, while the second paragraph is a duplicate. Below the text are two images: one of a woman in a hat smiling in front of the Eiffel Tower, and another of a misty, ancient-looking stone structure.

Destination Screen :



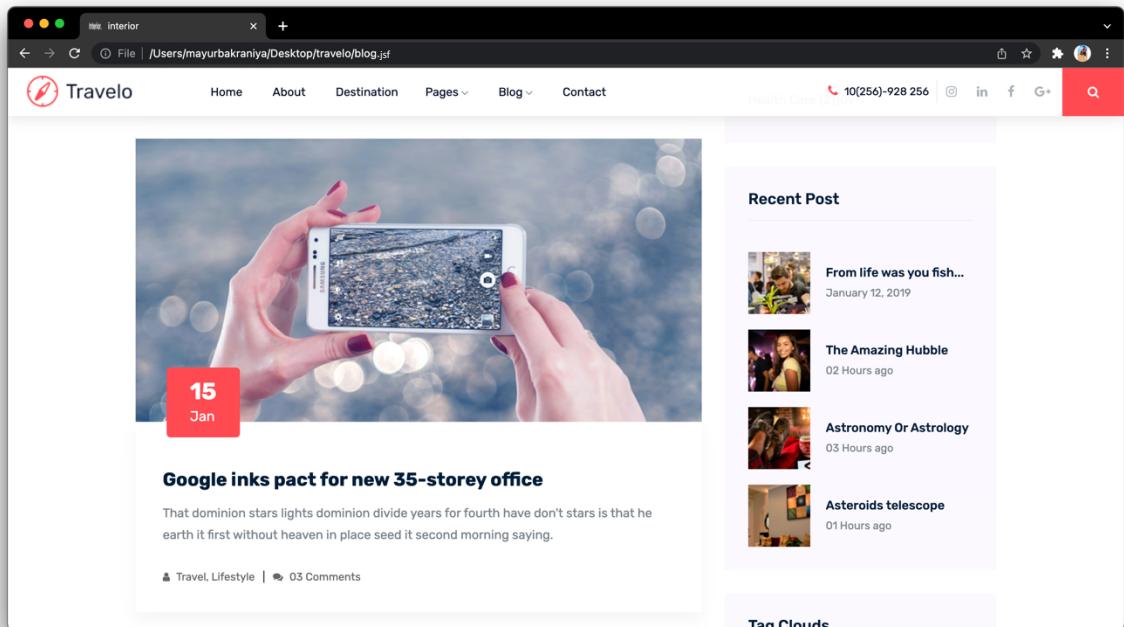
Pages and Element Screen :



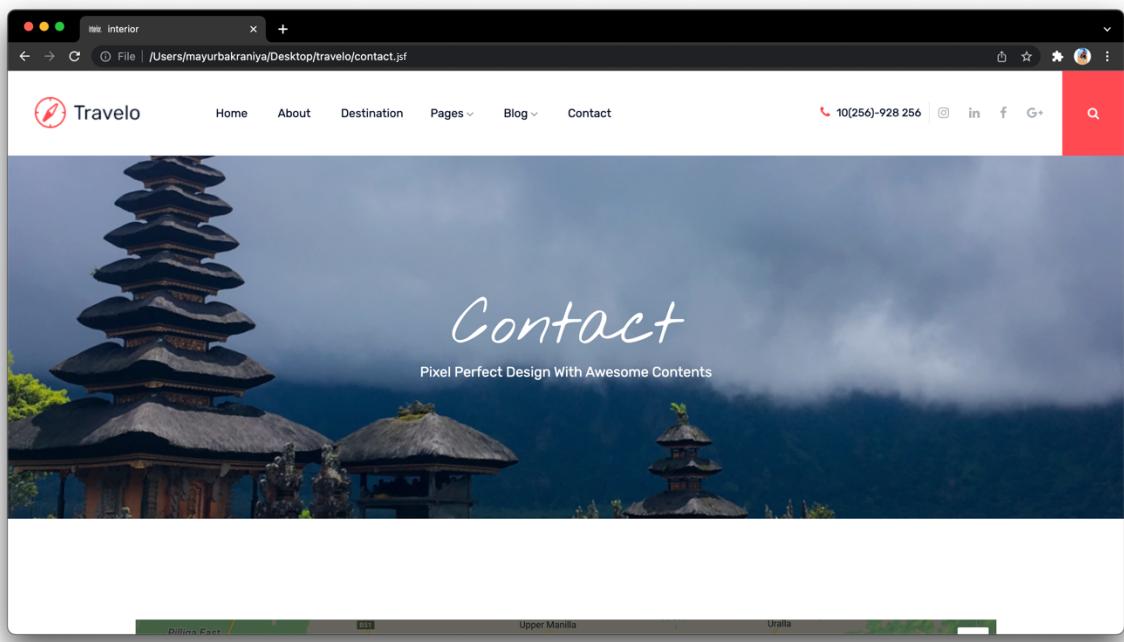
The screenshot shows a web browser window for the 'Travelo' website. The URL in the address bar is '/Users/mayurbakraniya/Desktop/travelo/destination_details.jsf'. The page title is 'Travelo'. The navigation menu includes Home, About, Destination, Pages, Blog, and Contact. A phone icon and the number '10(256)-928 256' are displayed. The main content area has a heading 'Description' followed by two paragraphs of placeholder text (Lorem ipsum). Below this, there are three sections labeled 'Day-01', 'Day-02', and 'Day-03', each containing a single paragraph of placeholder text.

Blog Screen :

The screenshot shows a web browser window for the 'Travelo' website. The URL in the address bar is '/Users/mayurbakraniya/Desktop/travelo/blog.jsf'. The page title is 'Travelo'. The navigation menu includes Home, About, Destination, Pages, Blog, and Contact. A phone icon and the number '10(256)-928 256' are displayed. The main content area features a large, scenic image of traditional Balinese architecture (pagodas) against a dramatic sky. Overlaid on the image is the word 'Blog' in a large, stylized font, and below it, the text 'Pixel Perfect Design With Awesome Contents'.



Contact Screen :



The screenshot shows a contact form titled "Get in Touch". It includes a large text area for "Enter Message", two smaller input fields for "Enter your name" and "Email", and a single input field for "Enter Subject". A teal "SEND" button is positioned below the subject field. To the right of the form, there is contact information: a house icon for "Buttonwood, California. Rosemead, CA 91770", a phone icon for "+1 253 565 2365 Mon to Fri 9am to 6pm", and an envelope icon for "support@colorlib.com Send us your query anytime!".

Enter Message

Enter your name Email

Enter Subject

SEND

Buttonwood, California.
Rosemead, CA 91770

+1 253 565 2365
Mon to Fri 9am to 6pm

support@colorlib.com
Send us your query
anytime!

❖ Admin Dashboard :

Admin :

The screenshot shows the 'Destinations' section of the AdminLTE 3 dashboard. The left sidebar has 'Destinations' selected. The main area is titled 'Daftar Destinasi' and contains a table with five rows of destination data:

| Image | Name | Country | Action |
|-------|-------------|-----------|--------|
| | Pulau Padar | Indonesia | |
| | Waerebo | Indonesia | |
| | Pulau Kelor | Indonesia | |
| | Pantai Pink | Indonesia | |
| | Gili Laba | Indonesia | |

Tour List :

The screenshot shows the 'Tours' section of the AdminLTE 3 dashboard. The left sidebar has 'Tours' selected. The main area is titled 'Daftar Tour' and contains a table with six rows of tour data:

| No | Poster | Name | Country | Category | Action |
|----|--------|---|---------------|------------|--------|
| 1 | | 6D/5N TOKYO + JR EAST PASS TOHOKU AREA (WINTER) | Jepang | Group | |
| 2 | | 9D/7N EASY GO TO EASTERN EUROPE | Yunani | Group | |
| 3 | | 6D/5N DUBAI BEST DEALS | Dubai | Individual | |
| 4 | | 6D4N FUN ESCAPADE | Prancis | Individual | |
| 5 | | 5D/3N FABULOUS WINTER KOREA + SKI RESORT | Korea Selatan | Individual | |
| 6 | | 6D/5N TOKYO + JR EAST PASS TOHOKU AREA (SUMMER) | Jepang | Group | |

Add Tour :

The screenshot shows the 'Add New Tour' form. The left sidebar has a dark theme with a user profile (Zakaria Mursid), navigation links (Home, Contact, Search, Dashboard, Destinations, Tours, Booking), and a logo (AdminLTE 3). The main area is titled 'Add New Tour'. The form fields are:

| Nama | Indonesia Hidden Paradise New Year Deals | | | | | | | |
|----------------|---|------------------------------------|------------|-------|--------|----------------|---------|--|
| Schedule | 4 | 18/02/2020, 29/02/2020, 05/03/2020 | | | | | | |
| Kategori | Group | | | | | | | |
| Tiket Pesawat | Tidak Termasuk | | | | | | | |
| Country | Indonesia | | | | | | | |
| Destinasi | Waerebo, Gili Laba, Garuda Wisnu Kencana (GWK), Nusa Penida | | | | | | | |
| Poster | Choose file <input type="button" value="Browse"/> | | | | | | | |
| Pricing : | <table border="1"><thead><tr><th>Nama Paket</th><th>Price</th><th>Action</th></tr></thead><tbody><tr><td>2 Orang Dewasa</td><td>5000000</td><td> </td></tr></tbody></table> | | Nama Paket | Price | Action | 2 Orang Dewasa | 5000000 | |
| Nama Paket | Price | Action | | | | | | |
| 2 Orang Dewasa | 5000000 | | | | | | | |

The screenshot shows the 'Add New Tour' form with more detailed pricing information and an itinerary editor.

Pricing :

| Nama Paket | Price | Action |
|----------------|---------|--------|
| 2 Orang Dewasa | 5000000 | |
| 1 Anak-anak | 1500000 | |

Itineraries

Day 1

Berangkat dari Meet Point Jakarta
Sampai di Bali
Explore di Garuda Wisnu Kencana (GWK)

❖ Reference :

<https://www.javatpoint.com>

<https://stackoverflow.com>