A

PROJECT REPORT

ON

Tourism Management System

SUBMITTED BY

Amreliya Ronak

Parmar Kalpesh

ACADEMIC YEAR 2023-24

T.Y B.C.A. SEM - 5

UNDER THE GUIDANCE OF

Mr. Shaunak Purohit

Mr. Yash Kotecha

SMT. C.Z.M GOSRANI B.C.A. COLLEGE

JAMNAGAR

SUBMITTED TO

SAURASHTRA UNIVERSITY - RAJKOT

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OSHWAL EDUCATION TRUST MANAGED

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CZMG BCA/31/2023-24/53 **Date: 22/09/2023**

CERTIFICATE OF PROJECT COMPLETION

This is to certify that

Amreliya Ronak S.

&

Parmar Kalpesh P.

of BCA Semester 5 of Smt. C.Z.M.G. BCA College affiliated to Saurashtra University Rajkot, have completed the project on "Tourism Management System" based on institute requirements during Semester 5.

Mr. Shaunak Purohit
CODE GUIDE

Mr. Yash Kotecha
DOCUMENT GUIDE

EXAMINER NAME & SIGN **EXAM DATE: 05/10/2023**

ABSTRACT

The Project "**Tourism Management System (TMS)**" is used to automate all processes of travel and tourism, related to creation, booking and confirmation and user details.

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 about all the places and tour details in a single website. Admin can add package details and manage users.

Users can sign in and book each package, confirmed by the admin on their booking system page. Users can view the confirmation on their Bookings page. It is the easiest platform for all the passengers to book easily and know all the details.

ACKNOWLEDGEMENT

We feel great pleasure in submitting this project report as a part of our B.C.A. Semester 5 curriculum. A practical study plays an important role.

For the successful completion of our project, we would especially like to thank our parents for their support and unconditional help. We would also like to thank our Project Guides Mr. Shaunak Purohit and Mr. Yash Kotecha for their constant support and help in implementation of this project.

We are also thankful to our Principal Ma'am, Ms. Hetal G. Savla for all the facilities they provided throughout our semester and for encouraging us to take up this activity.

Lastly, we would also like to thank the faculties and staff members of Smt. C.Z.M. Gosrani B.C.A. College, Jamnagar.

PROJECT PROFILE

STUDENT INFORMATION	
Name	**Enrollment Numbers**
Amreliya Ronak	003203212487
Parmar Kalpesh	003203212565
PROJECT DETAILS	
Project Title	Tourism Management System
Duration	4 Months
Name of Project	Krishna Tourism
Platform	PHP MySQL
Team Size	2
GUIDE INFORMATION	
Names of Guides	Mr. Shaunak Purohit Mr. Yash Kotecha

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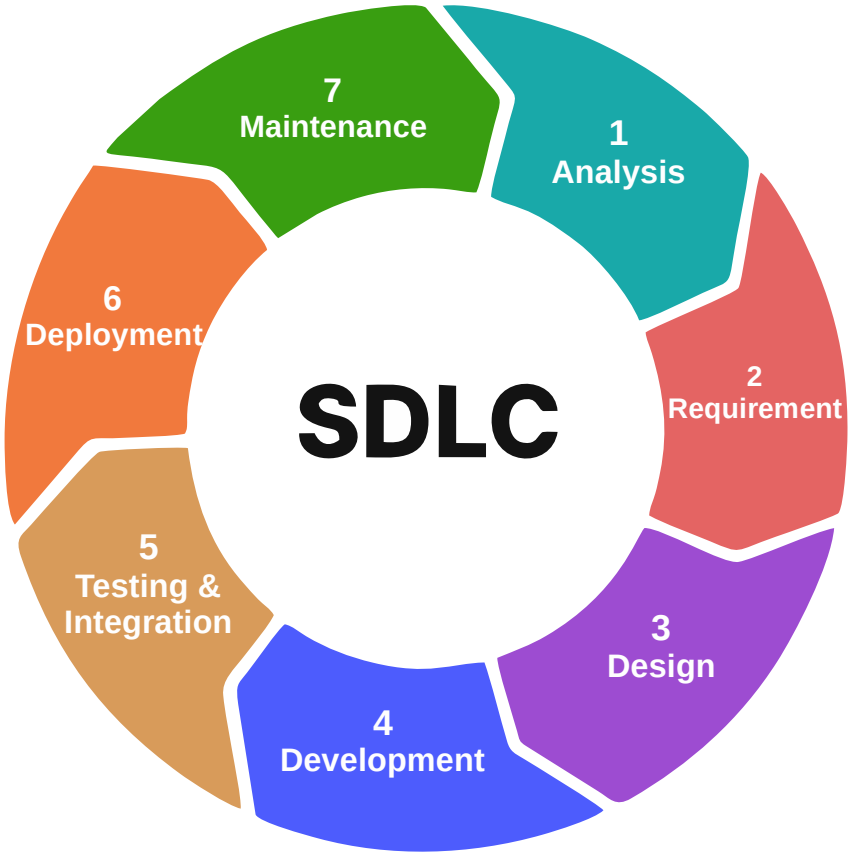
CHAPTER 1

OVERVIEW OF THE ACCCEPTED SDLC MODEL



Iterative Model

- An iterative life cycle model does not start with a full specification of requirements.

- In this model, the development begins by specifying and implementing just part of the software, which is then reviewed to identify further requirements.

CHAPTER 2

REQUIREMENT GATHERING AND ANALYSIS

2.1 Organization details

➢ Name of organization:

- Krishna Tours & Travels – Jamnagar.

➢ Brief details of the organization:

- Krishna Tourism began in 2002 Tours Management in Jamnagar to become a popular tourism management.

2.2 Meetings

➢ Meeting with an Owner:

- **Name of the Owner:**
  - Jayesh Bhatt

- **Requirements of the Owner in their own words:**
  - Users should be able to register, log in, and log out.
  - Users can view their booked package.
  - Admins should have a dashboard to manage the website.
  - Ensure the website is mobile-friendly for users on smartphones and tablets.

2.3 Type of project

- The system will be in the form of a web application and accessible through an internet connection.

2.4 Method of collecting requirements

- The requirements of the system will be collected by interviewing the owner.

CHAPTER 3

SYSTEM REQUIREMENT SPECIFICATION

3.1 Introduction

- Tourism Management System is a web application of management system that allows users to directly book packages from a tour conductor over the internet using this system.

3.1.1 Purpose

- The purpose of this software requirement specification is to book packages.

3.1.2 Scope

- This system will be used by any common public.

3.1.3 Operating Environment

- Client-Side requirement:
    - To use the web application, a computer with an internet connection and a web browser is required.
- Server-Side requirement:
    - Operating System : Windows 7 or Higher
    - Memory : 4 GB or Higher
    - Storage : 128 GB or Higher
    - Server Software : MySQL Server

3.1.4 User Classes

- **Administrators**
    - Can Add, Update and Remove Packages.
- **User**
    - Users Should be able to see the Package and Book it.

3.2 System Modules

- **Introduction**
    - Purpose of Documentation.
    - Target Audience.
    - System Overview.

- **Authentication**
  - Users and Admins can log into the System by entering proper credentials.

- **Package Management**
  - User can Book package.
  - Calculate Subtotal and Total.

- **Booking Module**
  - Booking Information.
  - Booking Confirmation.
  - This module manage reservations and bookings for tours services.

- **User Management Module**
  - User can see their booking history.
  - User registration form.

- **Security**
  - Data Encryption.
  - User Data Protection.

3.3 External Interface Requirements

3.3.1 Hardware Interface Requirements

- 512+ MB of RAM
- Multimedia Keyboard and Mouse
- 1.0+ GHz Processor
- Monitor

3.3.2 Software Interface Requirements

- Operating System : Microsoft Windows 7 or Above
- Front End Tools : HTML, CSS, JS and BOOTSTRAP
- Back End Tools : PHP and MySQL

3.3.3 User Interface Requirements

- Stable Internet Connection.

3.3.4 Communication Requirements

- Local Internet
- Internet

3.4 Non-functional Requirements

3.4.1 Performance Requirements

- Overall System should be fast and error-free.
- The system should be able to handle large amounts of data.
- The system should be available and accessible to users 24/7.

3.4.2 Security Requirements

- Data transmitted and stored in the system should be encrypted to protect sensitive information.
- The administrator has more rights than the user.

3.5 Feasibility Study

- A feasibility study is a preliminary investigation of a proposed system to decide whether the system can run smoothly in an organization.

3.5.1 Operational Feasibility

- Operational feasibility is the measure of how well a proposed system solves the problems and takes advantage of the opportunities identified in the requirements analysis phase of the system development.

3.5.2 Technical Feasibility

- Technical feasibility determines whether the work for the project can done with existing equipment, software technology and available personnel.

  - Operating Environment
  - Windows : 7/8/10/11
  - Minimum RAM : 1GB
  - Storage : 10GB

3.5.3 Economic Feasibility

- Operating costs, including maintenance, hosting, and staffing.
- Revenue projections and potential sources of income.
- Cost-benefit analysis of the project.

3.5.4 Schedule Feasibility

- How long will it take to get the technical expertise?
- We may have the technology, but that doesn't mean we have the skill required to properly apply that technology.

3.5.5 User Interface

- In case of user is not registered. He-She can enter the details and create an account. Once the account is created user can 'login'. If the username or password is incorrect then an error message appears.

CHAPTER 4

SYSTEM ANALYSIS AND MODELING

4.1 Normalization

- Normalization is the process of organizing columns(Attributes) and tables (Relations) of a relational database to reduce data redundancy improve data integrity.

Un – Normalized Data

1. Table Name : user

username	phonenumber	phonennumber	password
Vishal	8940671237	vishal@gmail.com	vishal@12
Nikhil	8947563028	nikhil@gmail.com	Nikhil58
Jignesh	1234567890	Jignesh@gmail.com	Jignesh@4

2. Table Name : packages

package name	package price	package location	package details	package title	day	night	package image
Dwarka	1000	Dwarka - Gujrat	Dwarka city Tour	Dwarka Temple	5	4	dwarka.jpg
Somnath	5000	Somnath - Gujrat	Somnath city tour	Somnath Temple	4	3	somnath.png

3. Table Name : booking

name	phonenumber	date	countpeople	totalamount	status
ronak	9876543210	8/10/2023	3	1000	Cancel by user
vishal	5698741230	31/12/2023	5	25000	pending

4. Table Name : contectmessage

name	email	subject	message
jay	jay52@gmail.com	Package Realated	International package available ?
parth	parth23@gmail.com	Price Realated	Price decressable ?
Om	om8@gmail.com	Transportation Related	Pickup freely available ?

1st Normalization

1.Table Name : user

Primary key : id

id (PK)	username	phonenumber	email	password
1	Vishal	8947563028	vishal@gmail.com	vishal@12
2	Nikhil	1234567890	nikhil@gmail.com	Nikhil58
3	Jignesh	8947563028	jignesh@gmail.com	Jignesh@4

2.Table Name : packages

Primary key : id

id (PK)	package name	package price	Package location	package details	package title	Day	Night	package image
1	Dwarka	1000	Dwarka – Gujrat	Dwarka city Tour	Dwarka Temple	3	4	dwarka.jpg
2	Somnath	5000	Somnath – Gujrat	Somnath city tour	Somnath Temple	5	6	somnath.png

3. Table Name : booking

Primary key : id

id (PK)	name	phonenumber	date	countpeople	totalamount	status
1	ronak	9876543210	8/10/2023	3	3000	Pending
2	vishal	5698741230	31/12/2023	5	25000	Pending

4. Table Name : contectmessage

Primary key : id

id (PK)	name	email	subject	message
1	jay	jay52@gmail.com	Package Realated	International package available ?
2	parth	parth23@gmail.com	Price Realated	Price decressable ?
3	om	om8@gmail.com	Transportation Related	Pickup freely available ?

2nd - Normalization

1. Table Name : booking

Primary Key : id

Foreign Key : user_id, package_id

id (PK)	user_id (FK)	package_id (FK)	username	phone number	date	count people	total amount	status
1	3	1	ronak	9876543210	8/10/2023	3	3000	Pending
2	5	3	vishal	5698741230	31/12/2023	5	25000	Pending

4.2 Data Dictionary

- A data dictionary contains metadata i.e data about the database. The data dictionary is very important as it contains information such as what is in the database, who is allow to access it, where the database physically stored, etc. The users of the database normally do not interact with the data dictionary, it is only handle by the database administrators.

Database Name : tms

1. Table Name : user

Colum Name	Data Type	Constrain
id	Int	Primary key (AI)
username	Varchar(20)	Not Null
phonenumber	Varchar(10)	Not Null
email	Varchar(22)	Not Null
password	Varchar(8)	Not Null

2. Table Name : packages

Colum Name	Data Type	Constrain
id	Int	Primary key (AI)
packagename	Varchar (30)	Not Null
packageprice	Int	Not Null
packagelocation	Varchar(20)	Not null
packagedetails	Varchar (60)	Not null
packagetitle	Varchar(200)	Not null
day	Int	Not Null
night	Int	Not Null
package image	Varchar(200)	Not null

3. Table Name : booking

Colum Name	Data Type	Constrain
id	Int	Primary Key (AI)
package_id	Int	Foreign Key (References Table : package, Colum Name : id)
user_id	Int	Foreign Key (References Table : user, Colum Name : id)
name	Varchar(50)	Not Null
phonenumber	Int	Not Null
date	Varchar(50)	Not Null
count people	Varchar(50)	Not Null
total amount	Int	Not Null
status	Varchar(50)	Not Null

4. Table Name : contactmessage

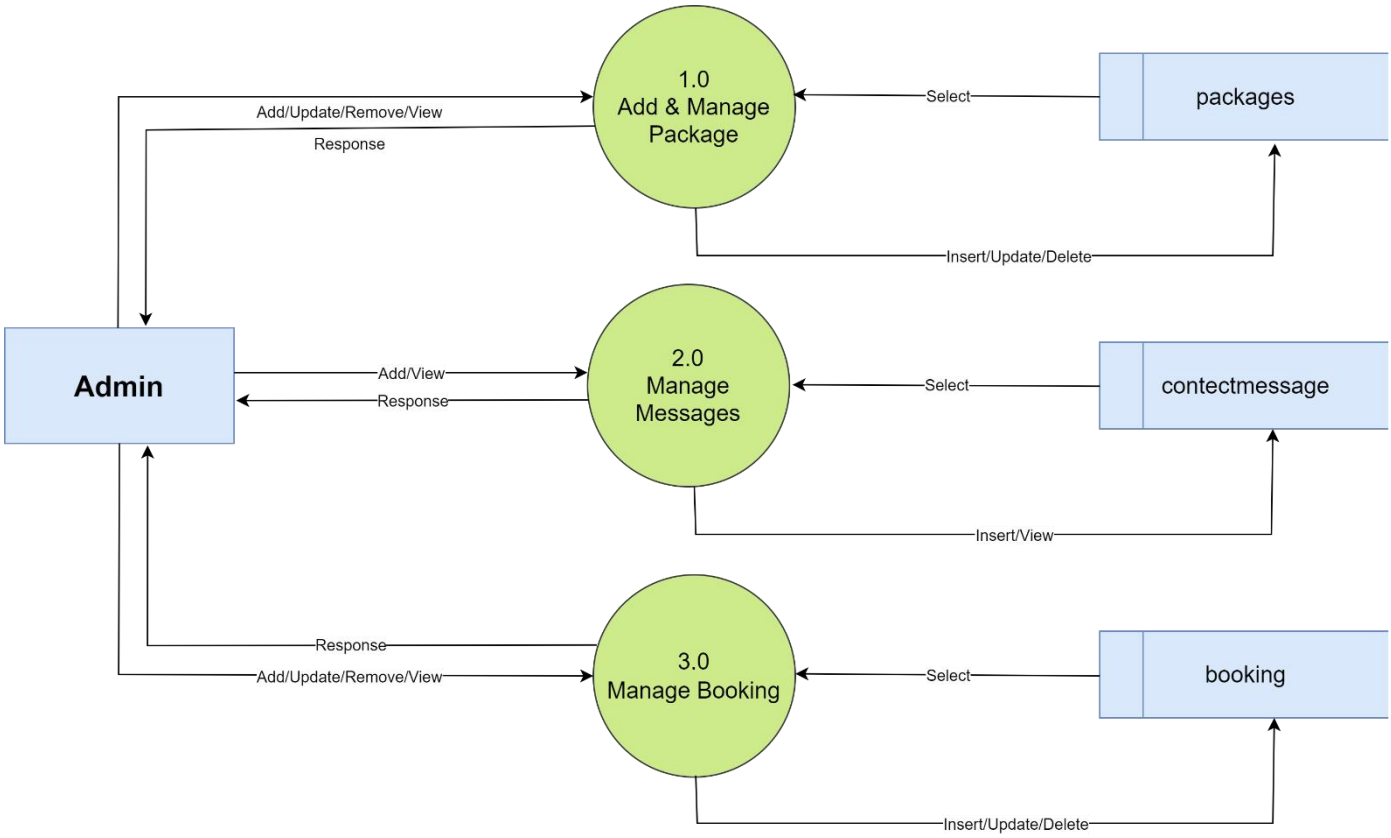
Colum Name	Data Type	Constrain
id	Int	Primary Key (AI)
name	Varchar (50)	Not Null
email	Varchar (50)	Not Null
subject	Varchar (50)	Not Null
message	Varchar (100)	Not Null

4.3 Data Flow Diagram

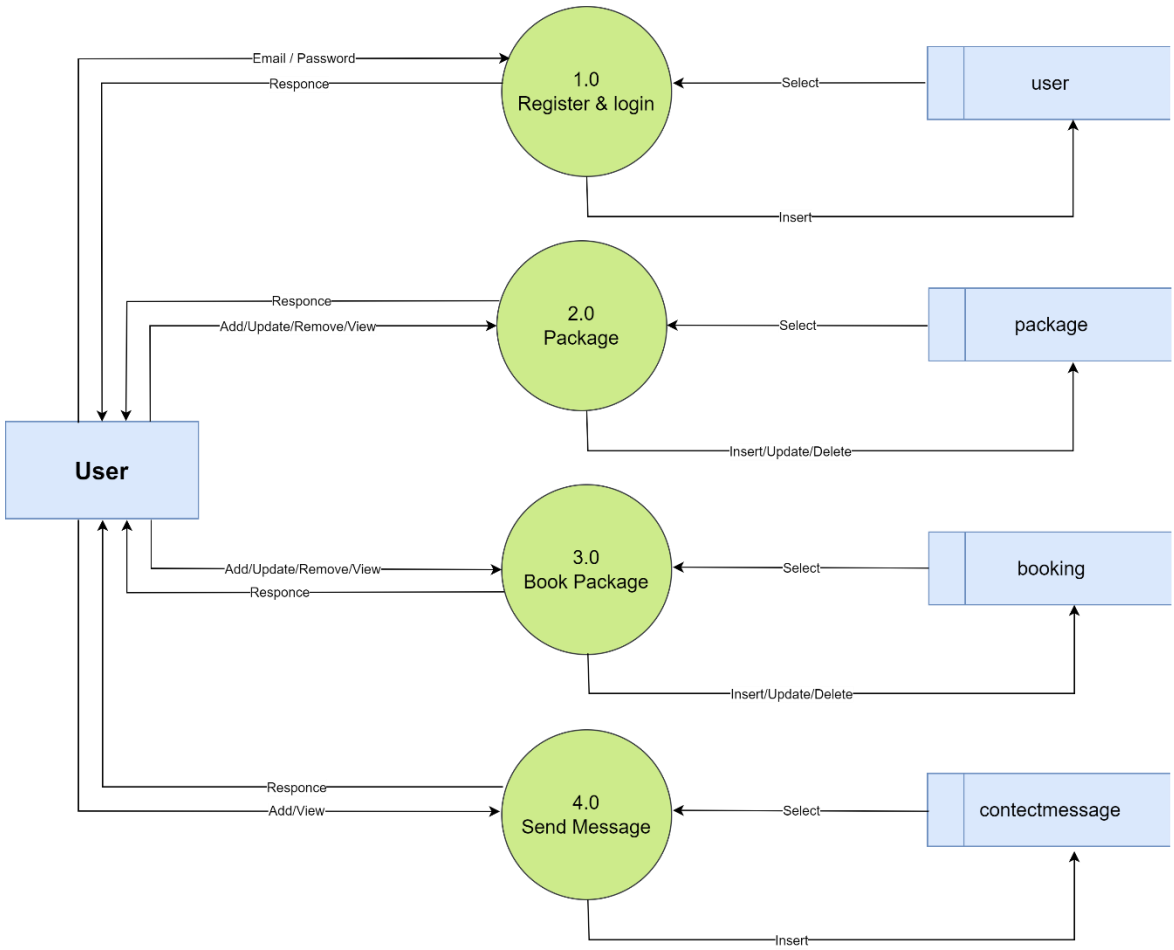
4.3.1 Context Level Diagram

4.3.2 First Level Diagram

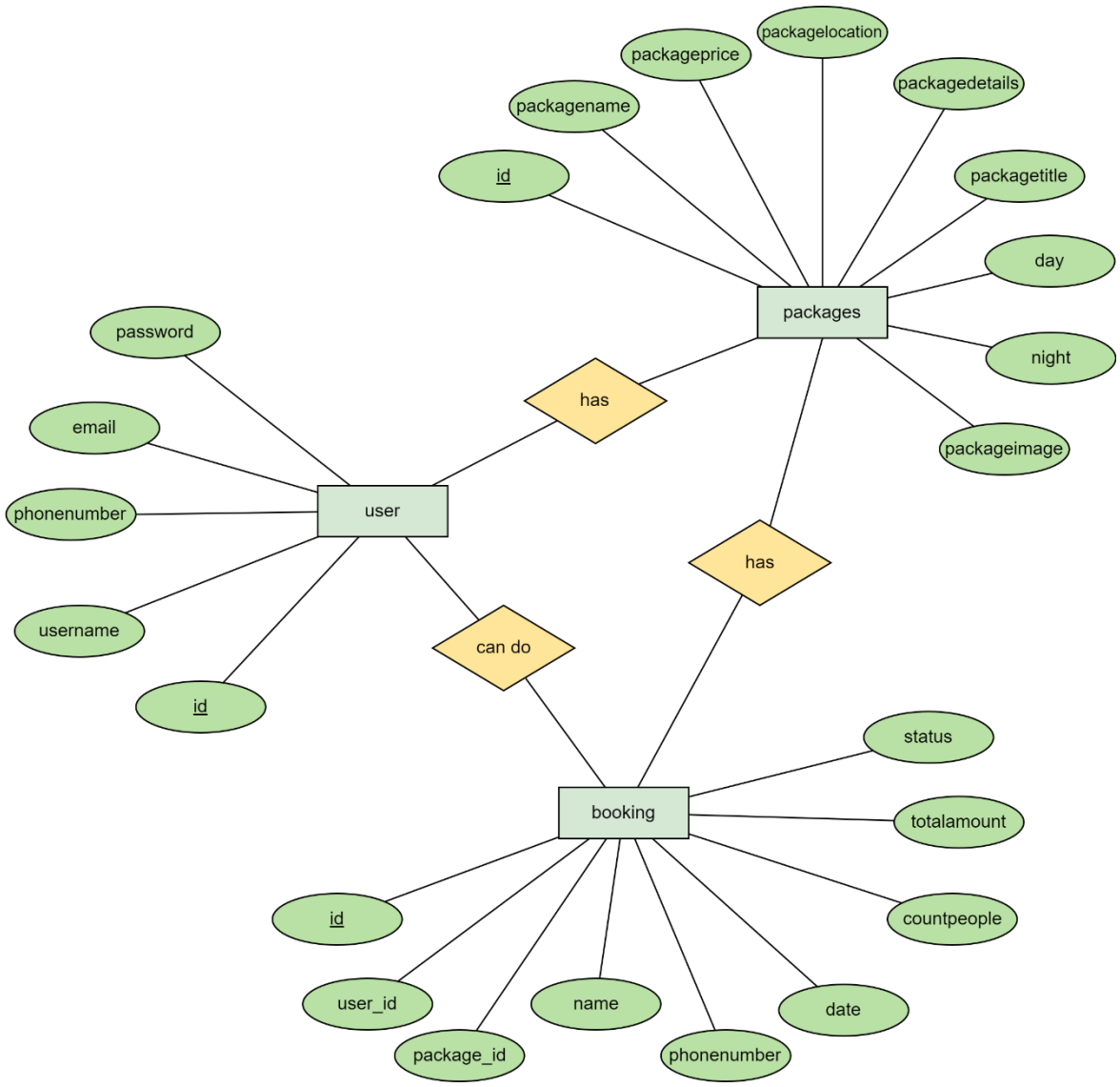
- **Admin**



- **User**

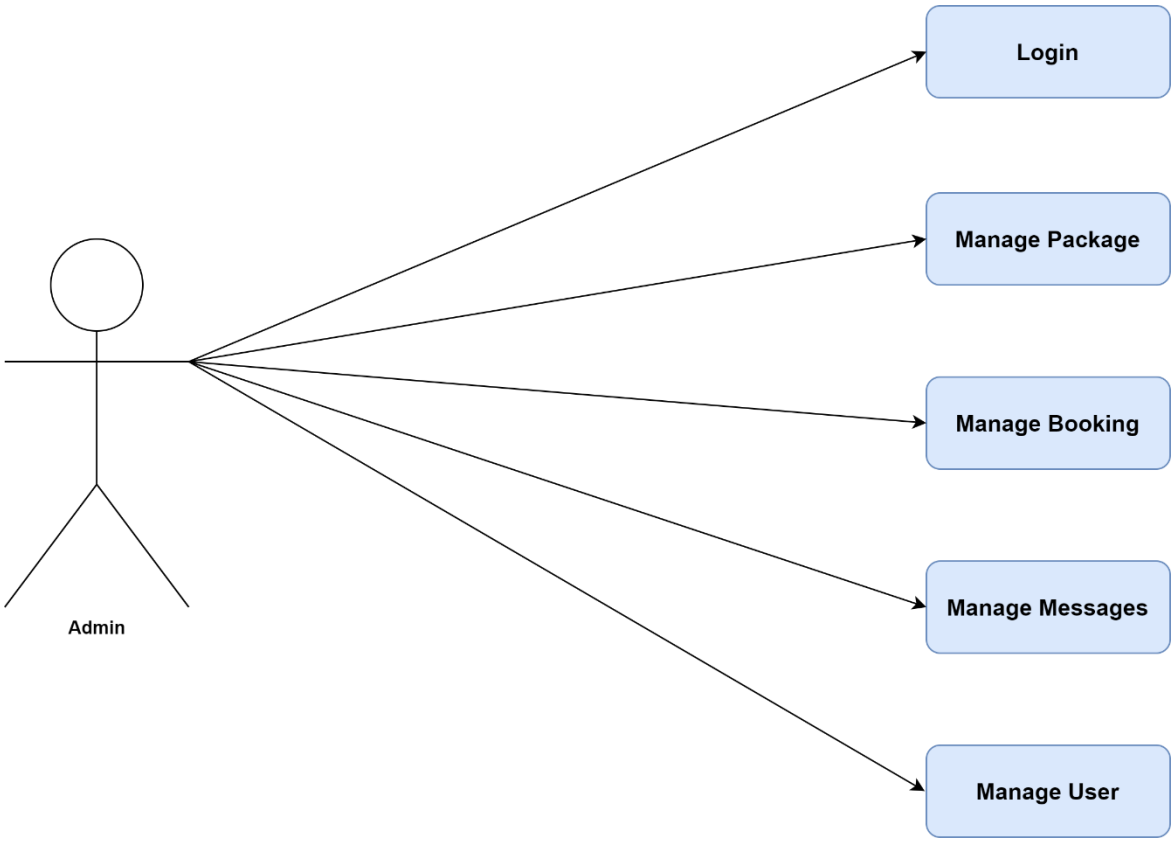

Email / Password
Responce
1.0
Register & login
Select
user
Insert
Responce
Add/Update/Remove/View
2.0
Package
Select
package
Insert/Update/Delete
User
Add/Update/Remove/View
Responce
3.0
Book Package
Select
booking
Insert/Update/Delete
Responce
Add/View
4.0
Send Message
Select
contectmessage
Insert

4.4 E-R Diagram

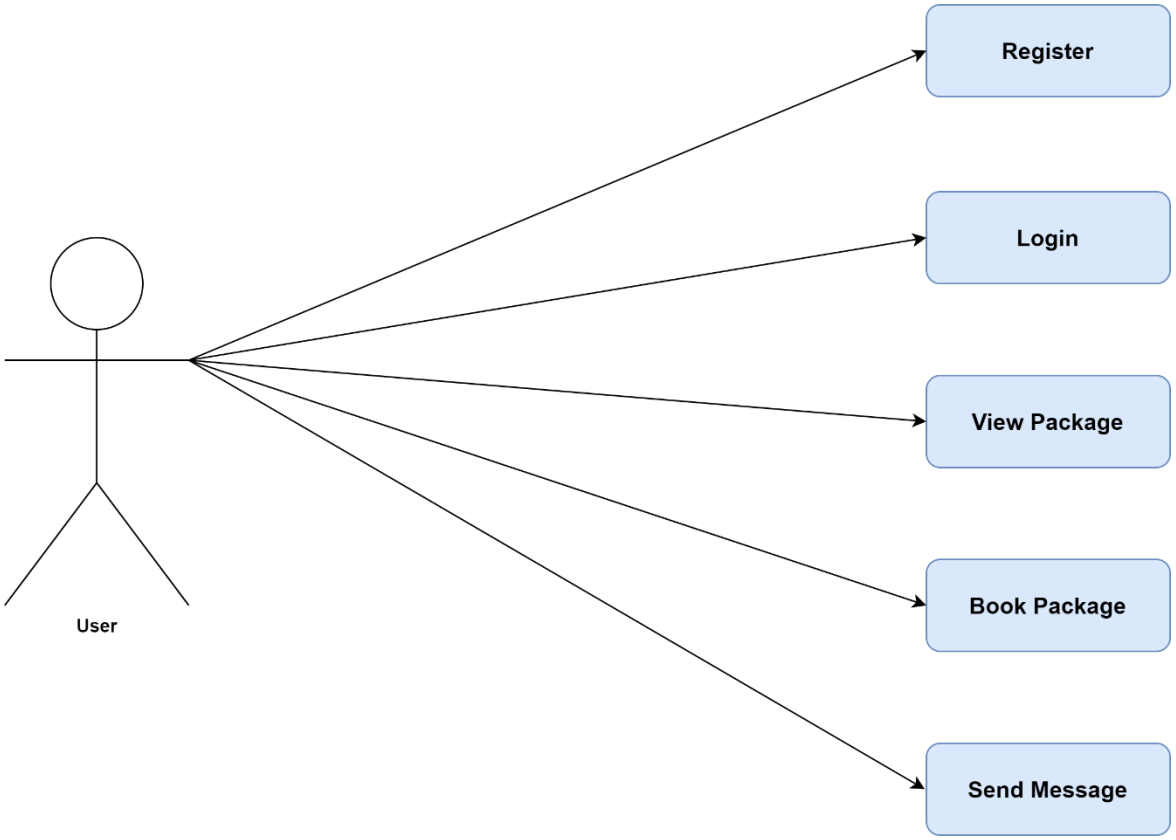


4.5 Use – Case Diagram

- **Admin**



- **User**


Register
Login
View Package
Book Package
Send Message
User

4.6 Gantt Chart

CHAPTER 5

Test Cases

TEST CASE NO. 1		**TEST CASE DESIGN DATE:** 3/September/2023			
TEST TITLE: LOGIN		**TEST CASE EXECUTION DATE:** 12/ September /2023			
DESCRIPTION: in this test case login module would be tested.					
PRECONDITION: Login form must be working.					
STEO NO.	**TEST STEP**	**TEST DATA**	**EXPECTED RESULT**	**ACTUAL RESULT**	**STATUS**
1	Login	Login Form	Login Form is Visible	Same as Expected	Pass
2	Enter Username	xyz@gmail.com	Username Is accepted	Same as Expected	Pass
3	Enter Password	123	Password Is accepted	Same as Expected	Pass
4	Enter Wrong Password	456	Error Message	Same as Expected	Pass
5	Click Login Button	Button Click	Check the Condition	Same as Expected	Pass

TEST CASE NO. 2		**TEST CASE DESIGN DATE:** 3/ September /2023			
TEST TITLE: Register		**TEST CASE EXECUTION DATE:** 12/ September /2023			
DESCRIPTION: in this test case Register module would be tested.					
PRECONDITION: Register form must be working.					
STEO NO.	**TEST STEP**	**TEST DATA**	**EXPECTED RESULT**	**ACTUAL RESULT**	**STATUS**
1	Register	Register Form	Register Form is Visible	Same as Expected	Pass
2	Enter Username	Nikhil	Username Is accepted	Same as Expected	Pass
3	Enter Email	xyz@gmail.com	Email Is accepted	Same as Expected	Pass
4	Enter Password	123	Password Is accepted	Same as Expected	Pass
5	Enter Wrong Password	456	Error Message	Same as Expected	Pass
6	Click Register Button	Button Click	Check the Condition	Same as Expected	Pass

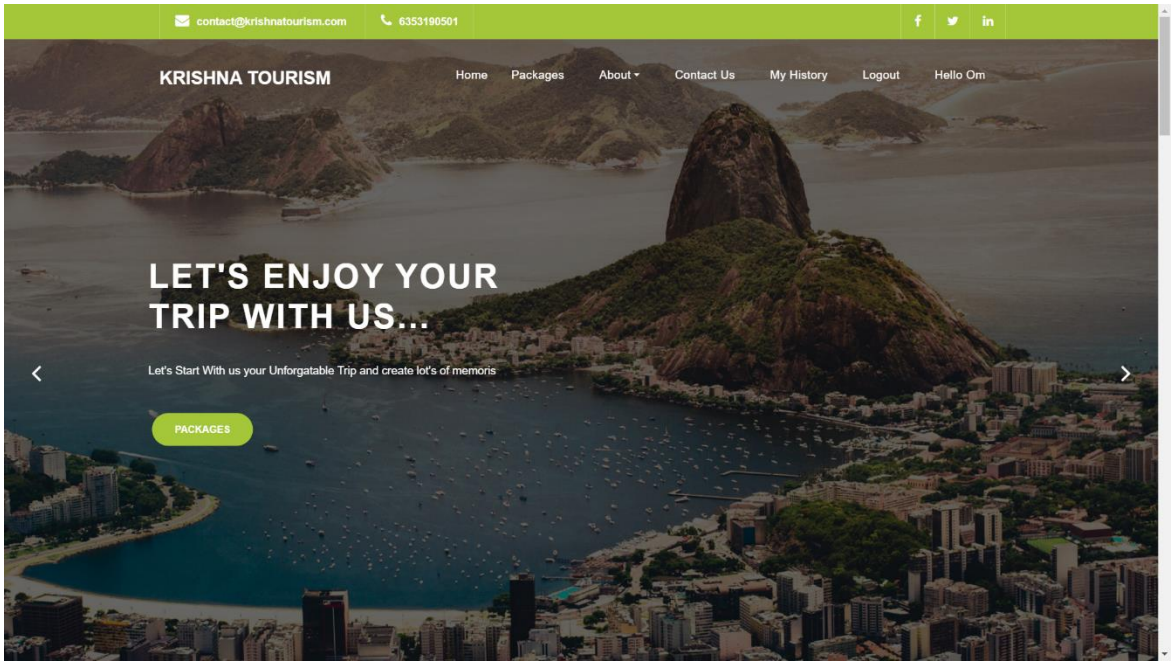
TEST CASE NO. 3		**TEST CASE DESIGN DATE:** 2/ September /2023			
TEST TITLE: Packages		**TEST CASE EXECUTION DATE:** 12/ September /2023			
DESCRIPTION: in this test case Packages module would be tested.					
PRECONDITION: Packages form must be working.					
STEO NO.	**TEST STEP**	**TEST DATA**	**EXPECTED RESULT**	**ACTUAL RESULT**	**STATUS**
1	Create package	Add New Package	Add New Package Visible	Same as Expected	Pass
2	Package Name	Hill-Forts-Of-Rajasthan	Add Package Name	Same as Expected	Pass
3	Package Title	Rajasthan Adventure	Package Title Is accepted	Same as Expected	Pass
4	Package Location	Rajasthan	Package Location Is accepted	Same as Expected	Pass
5	Package Price	5999	Package Price Is accepted	Same as Expected	Pass
6	Package Image	Rajesthan.png	Image Is accepted	Same as Expected	Pass
7	Click upload Button	Button Click	Check the Condition	Same as Expected	Pass

CHAPTER 6

Screenshots

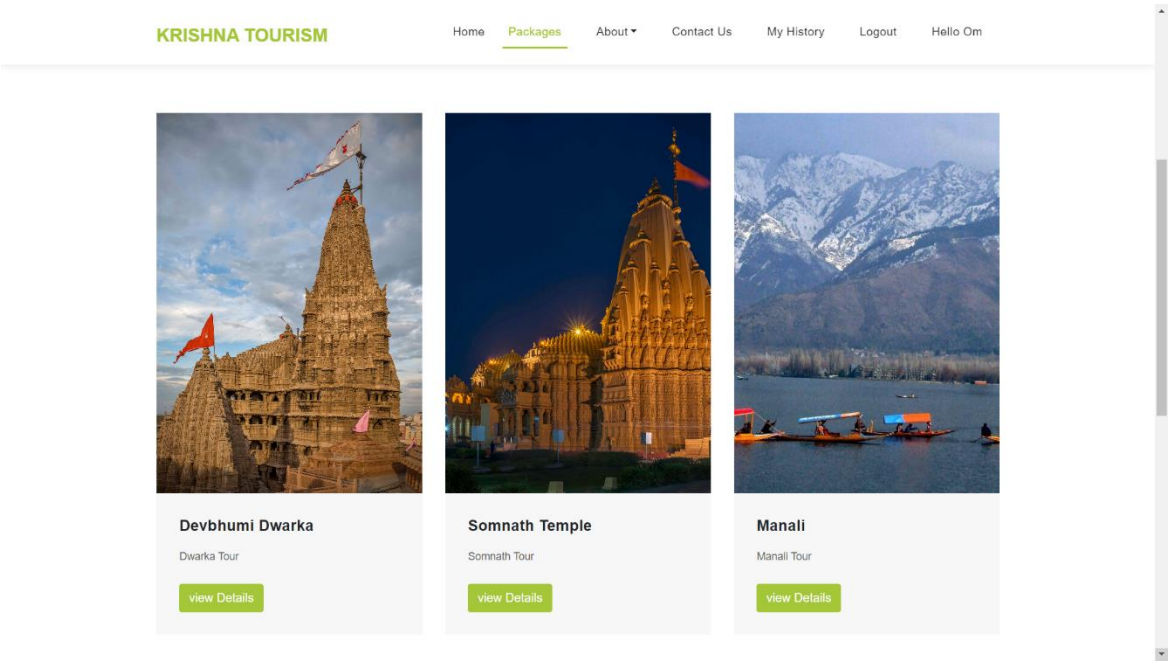
- **Home Page**

- **User can view package and contact us.**



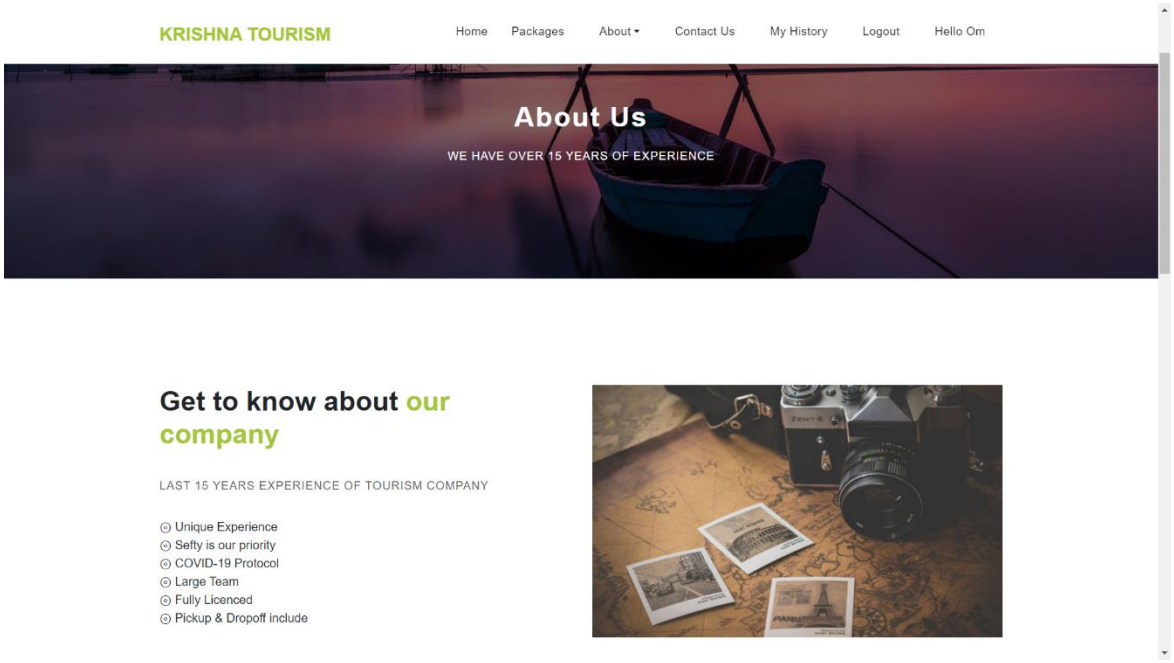
- **Package Page**

- **User can view package and package-details.**



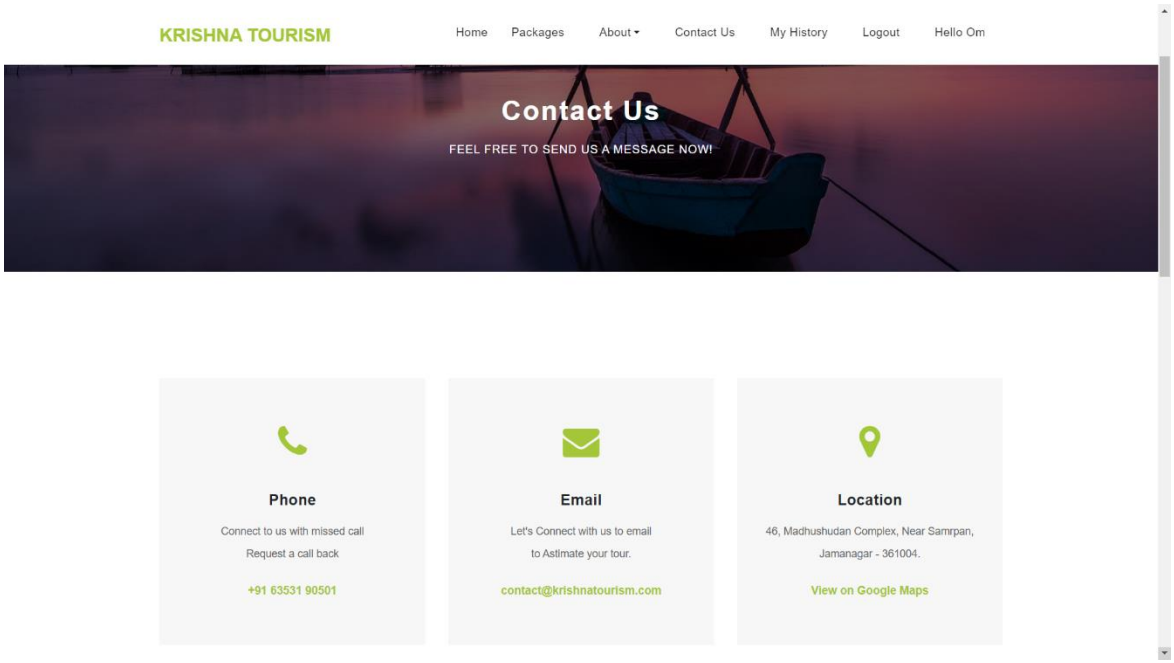
- **About Us Page**

- **User can view about us.**



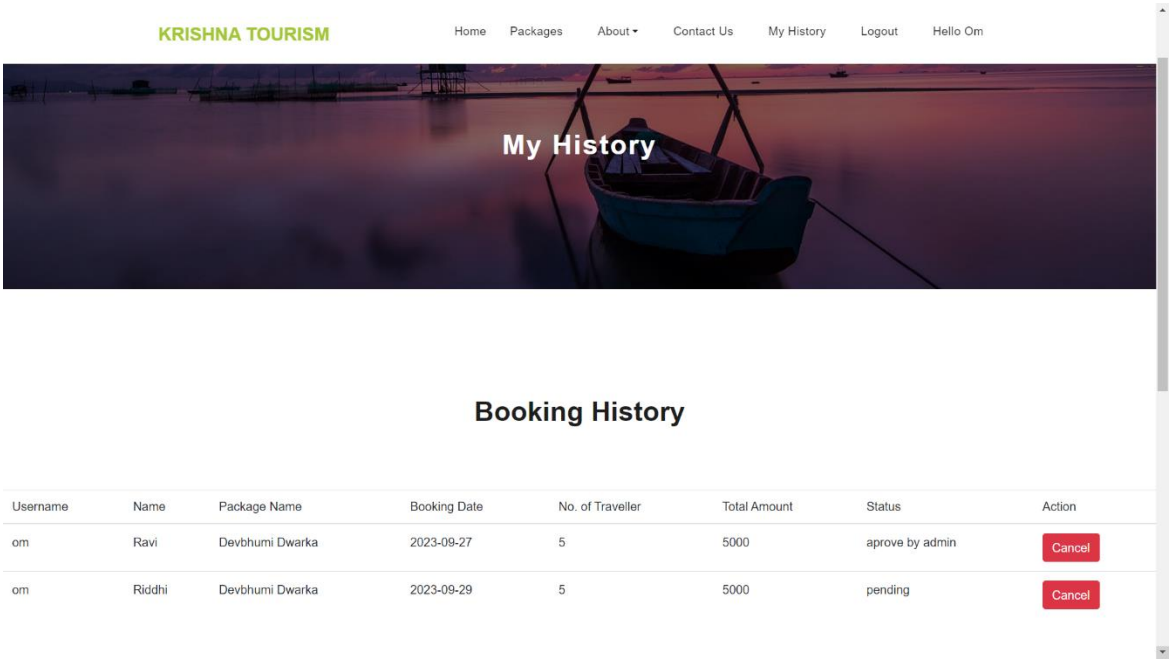
- **Contact Page**

- **User can contact our tourism.**



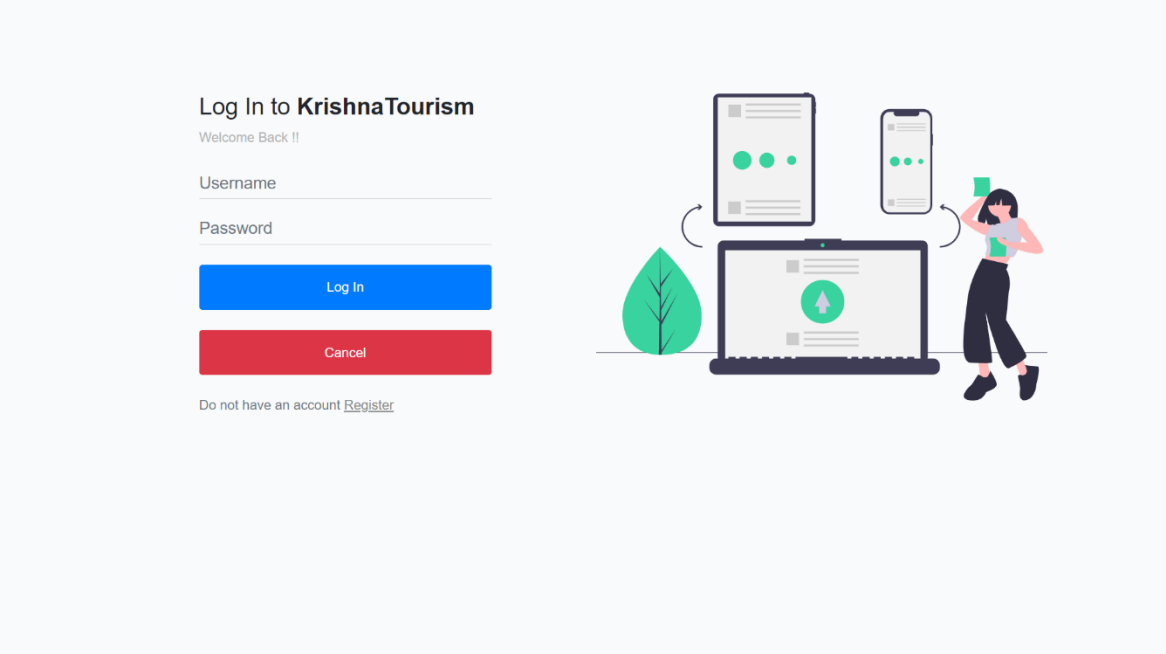
- **My History**

- **User can view booked package history.**



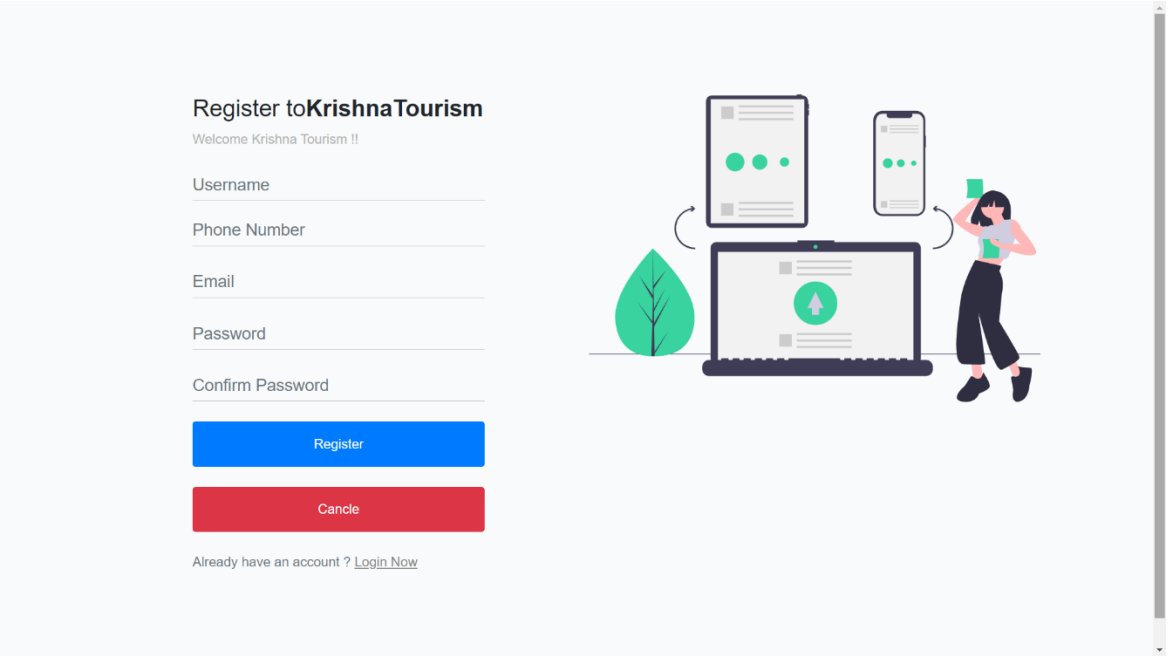
- **Login Page**

- **User can login after register.**



- **Register Page**

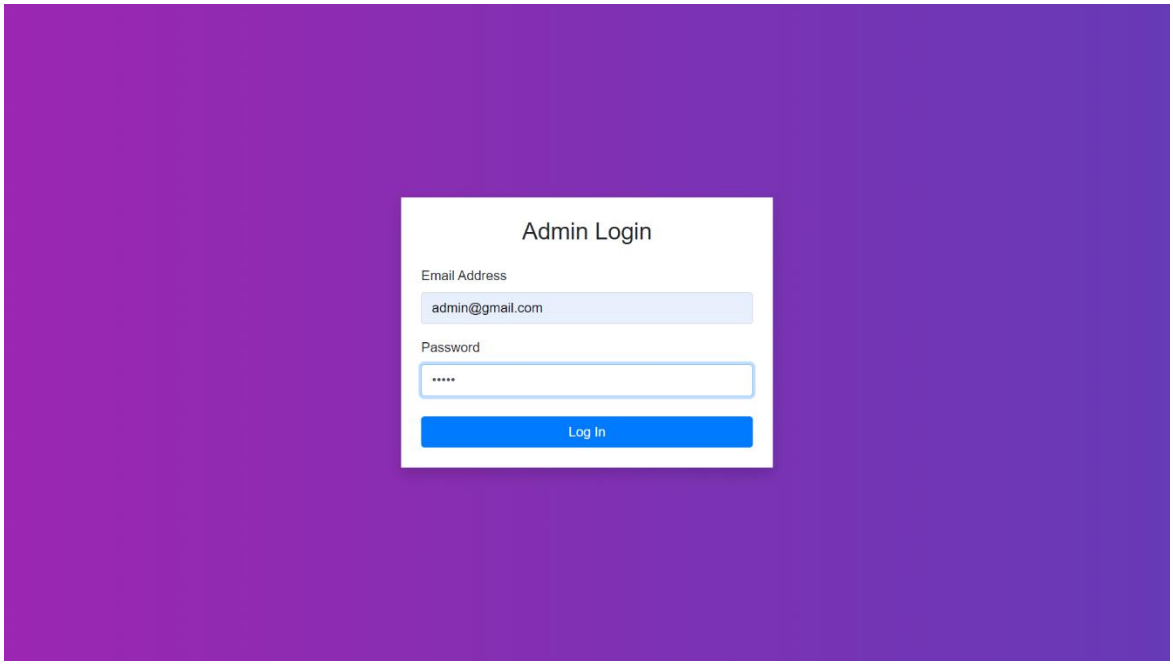
- **User can Keep First register and after book pakage.**



➢ Admin Side

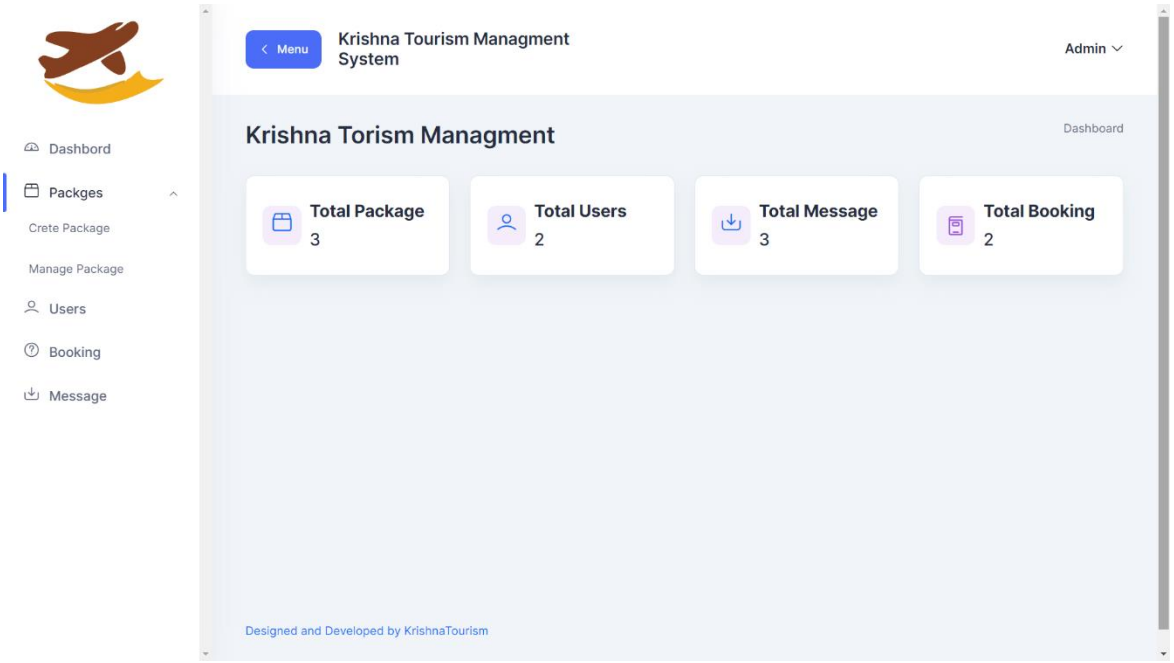
- **Admin Login Page**

- **Admin has static Login**



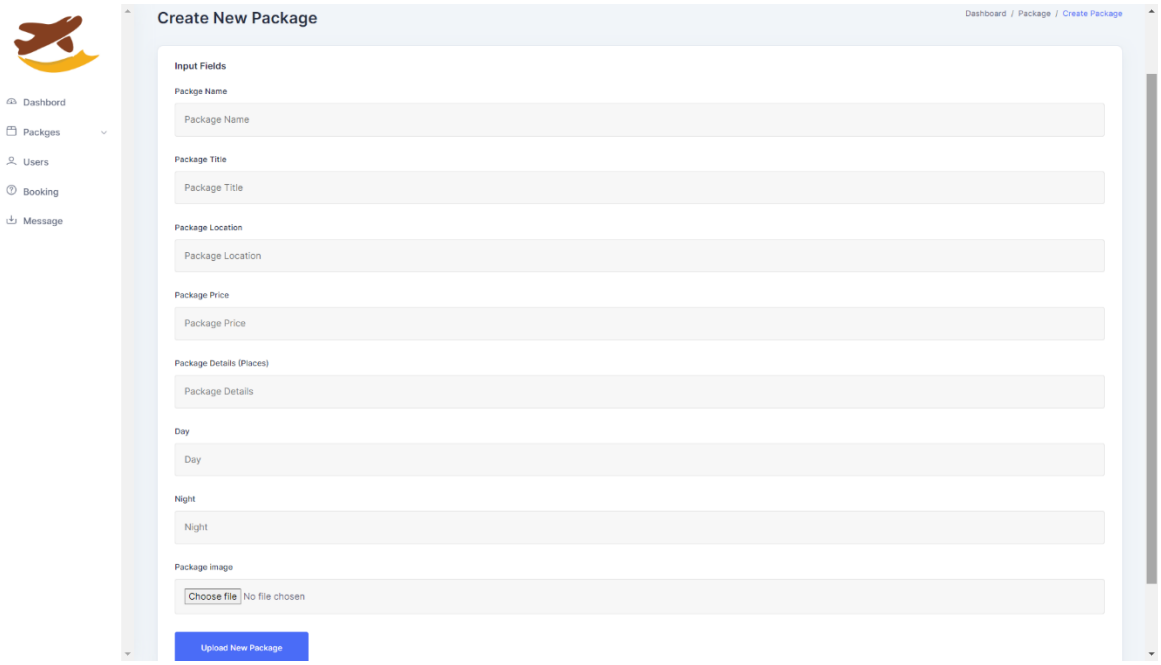
- **Admin Dashboard Page**

- **Admin can View all information of booking.**



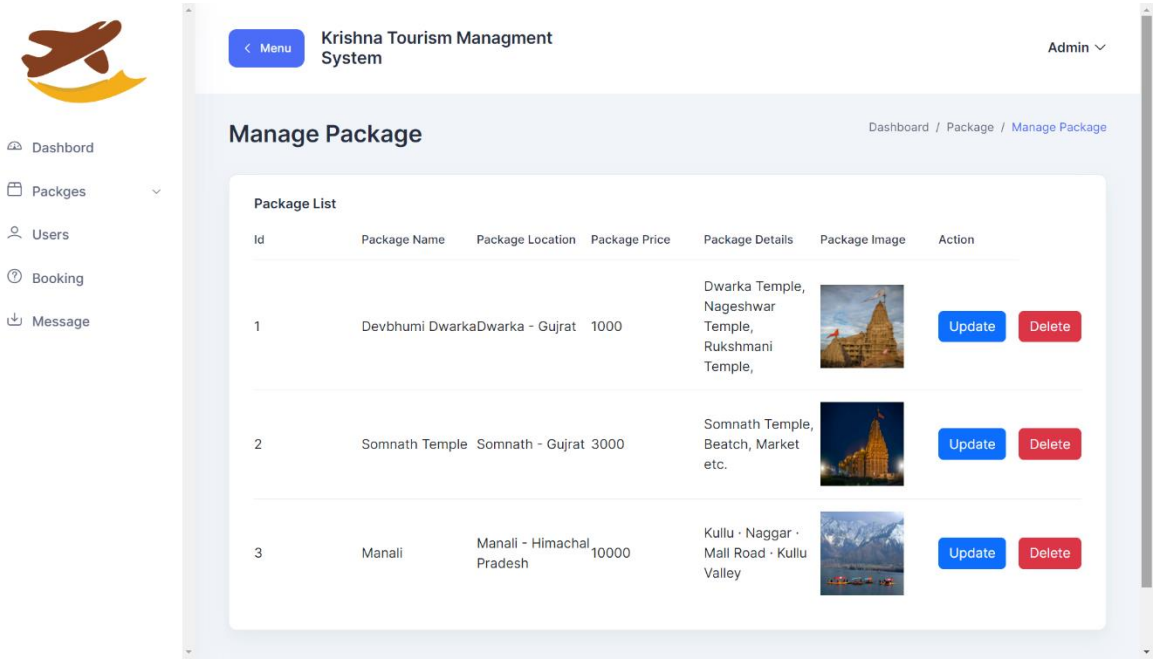
- **Create Package Page**

- **Admin can Create Package.**



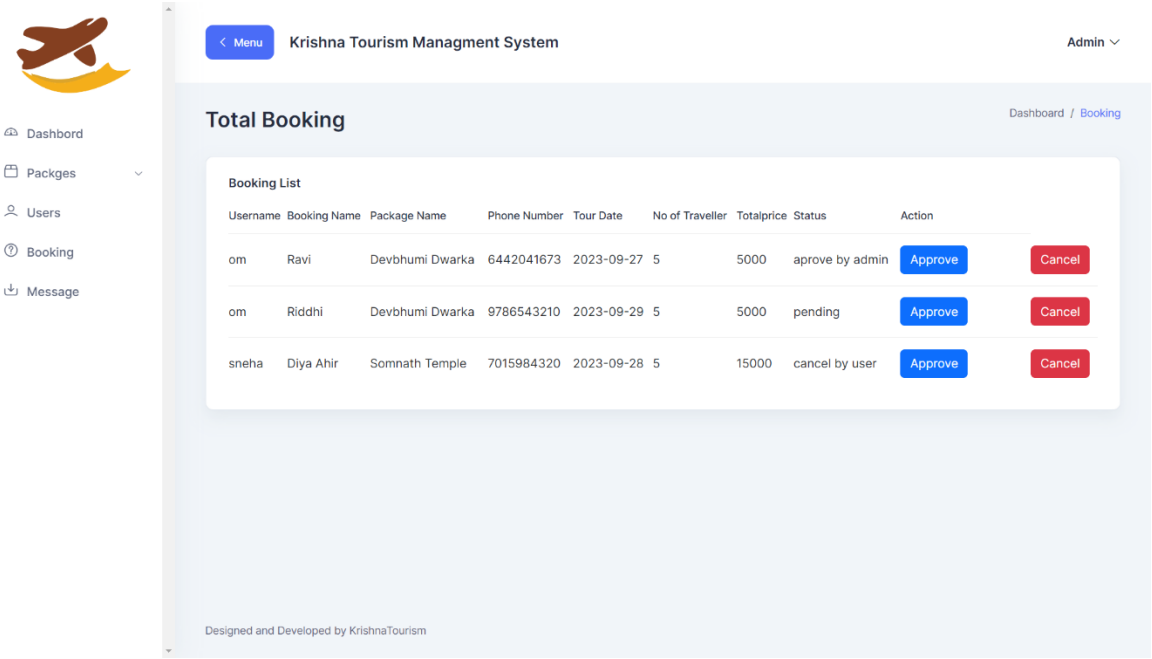
- **Manage Package**

- **Admin can update and delete packages.**



- **Booking Page**

- **Admin can view total booking information, approve and cancel booking.**



CHAPTER 7

Limitations and Future Enhancement

7.1 Limitations :

- Payment method is offline only.
- User can’t give ratings.

7.2 Future Enhancement :

- Multiple payments options.
- We will provide category in package. [i.e., couple package].
- User can give ratings.

CHAPTER 8

Conclusion

The project report entitled TMS has been completed successfully. This website has been developed with much care that is free of errors and at a same time it is efficient and less time consuming. I have tried my level best to make this website as dynamic as possible. Also, provision is provided for future development in the website. This website will be approved and implemented soon.

CHAPTER 9

References and Bibliography

➢ References Website :

- https://www.gujarattourism.com
- https://www.sotc.in
- https://jirawalatourism.com

➢ References Search Engine :

- www.google.com
- www.youtube.com
- https://chat.openai.com
- https://getbootstrap.com

➢ Books :

- **Bharat and company asp.net book.**
- **C.Jam'nadas & co. HTML book.**