

A Project Report
On
“TOURISM MANAGEMENT SYSTEM”

Submitted By

Mr. AKHIL PANDEY

&

Mr. RITIK MEHTA

Guided By

Dr. JYOTI RANA

Submitted To



NaranLala College of Professional and Applied Sciences,
Veer Narmad South Gujarat University, Surat.

Year: 2021-2022

Index

<u>No.</u>	<u>Topic name</u>	<u>Page No.</u>
1	Abstract	3
2	Preface	4
3	Project Profile	5
4	Objective	6
5	Existing System	7
6	Proposed System	8
7	System Environment	10
8	Modules	12
9	Software Development Life Cycle	15
10	Data Flow Diagram	18
11	Data Dictionary	22
12	ER Diagram	30
13	Screen Short of Project	35
14	Testing & Conclusion	48
15	Reference	53

Abstract

As the name specifies “TOURISM MANAGEMENT SYSTEM” is 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 Labor can be reduced
- High 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

Preface

It is great pleasure for us as a student of **NaranLala College of Professional & Applied Sciences** to project on the “**Tourism Management System**” for the partial fulfillment of the requirement of **BCA** (Bachelor of Computer Application) semester 6 from **Veer Narmad South Gujarat University, Surat**.

As a student of computer/IT field we encouraged by growth and rapid development in the software industries, keeping in mind that increase demand for software, web application & software engineers, the university has arranged project work for the final year.

Thus, it is our Moral & mandatory duty to take this project as a part of our studies with great enthusiasm & seriousness. For this we have gone through a development program of 3 months.

The document describes each of the phases of development of the software lifecycle.

Project profile

Project Profile	
Project Name	Tourism Management System
Project Type	Website
Team Strength	2 Developers
Front End	PHP, JAVASCRIPT, CSS,HTML
Back End	MYSQL
Operating System	Windows10
Submitted To	Naran Lala College Of Professional And Applied Science
Internal Guide	Dr. Jyoti Rana
Submitted By	Mr. Akhil Pandey Mr. Ritik Mehta

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 travel and accommodation.

Advantages of Proposed System:-

- Customers can book tickets from anywhere and at any place.
- Save time and efforts.
- Choose any location for visiting faster and easier at one place.
- Save time of travelling to the shop.
- Comparing and researching products and their prices is so much easier online.
- So many option to plan preferred place for traveling.
- Get detailed information about the place of visiting.
- Good and tension free booking services.

SYSTEM

ENVIRONMENT

1) Software Requirement

Software is necessary as well as hardware to run system. The software that is used for the system may be in the form of application software or operating system. Certain software which is used in the website is listed below:

Front End	PHP
Back End	MySQL
Platform	Core PHP
Web Server	WAMP SERVER
Operating System	Windows 10
IDE	Notepad++
Browser	Google Chrome
Script	Java Script
Style	CSS, Bootstrap
Client Side Scripting	HTML

2) Hardware Requirement

Hardware product is necessary part to run a system. Here, we describe different hardware used in computerized system.

Processor	AMD A9-9420 RADEON R5, 5 COMPUTE CORES 2C+3G, 3000 MHz, 2 Core(s), 2 Logical Processor(s)
RAM	8 GB
Back up	Pen drive

Modules

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

- 1. Administrator module**
- 2. User(Traveler) 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 traveler.
- **Manage issues/ Complaints**—Admin can take action on any issue /complaint raised by user (traveler) and Put remark.
- **Manage Enquiries**—admin can manage all enquiries raised by users (Traveler).
- **Manage pages**- Admin can edit the info of all pages that are display on the website,
- **Change password---** Admin can change own password.

2. **USER (TRAVELLER) MODULE:**

- **Signup-** User can register yourself for Booking.
- **Sign in-** Here user can login with valid username and password.
- **Forgot Password**—User can recover his/her own password.
- **My Profile-** user can update own profile.
- **Tour history-**After login user can book any tour that will show in Tour history. User can cancel his/her booking before 24hr of travelling.
- **Change Password** User can own Password.
- **Write-use**—Here user can raise any issue related to booking, Cancellation etc.

3. **Guest Module**

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

Software Development Life Cycle

SPIRAL MODEL:

SPIRAL MODEL was defined by Barry Boehm in his 1988 article, “A spiral Model of Software Development and Enhancement. This model was not the first model to discuss iterative development, but it was the first model to explain why the iteration models.

As originally envisioned, the iterations were typically 6 months to 2 years long. Each phase starts with a design goal and ends with a client reviewing the progress thus far. Analysis and engineering efforts are applied at each phase of the project, with an eye toward the end goal of the project.

The steps for Spiral Model can be generalized as follows:

The new system requirements are defined in as much details as possible. This usually involves interviewing a number of users representing all the external or internal users and other aspects of the existing system.

A preliminary design is created for the new system.

A first prototype of the new system is constructed from the preliminary design. This is usually a scaled-down system, and represents an approximation of the characteristics of the final product.

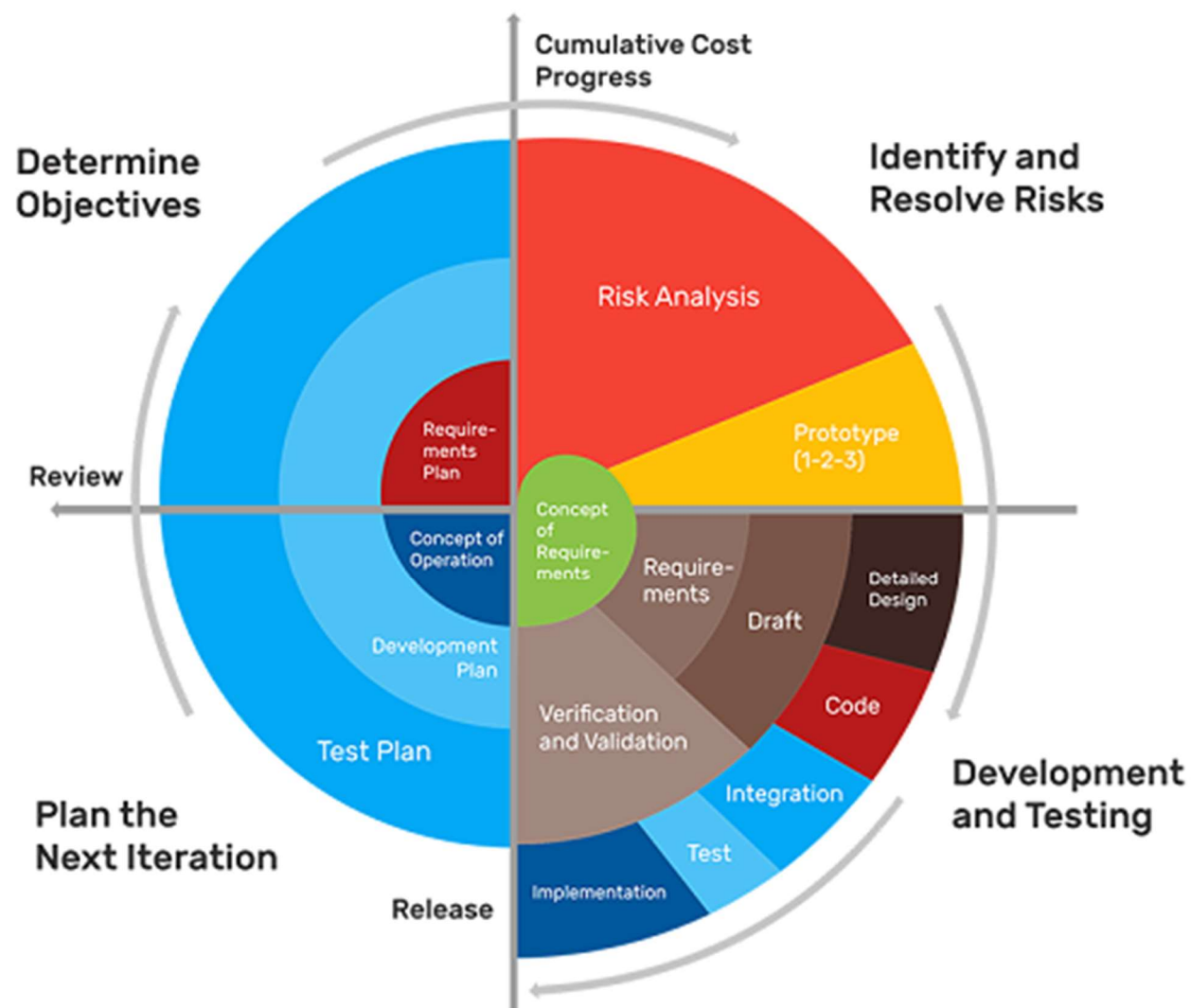
A second prototype is evolved by a fourfold procedure:

1. Evaluating the first prototype in terms of its strengths, weakness, and risks.
2. Defining the requirements of the second prototype.
3. Planning a designing the second prototype.

Advantage:

- Estimates (i.e. budget, schedule etc.) become more realistic as work progresses, because important issues are discovered earlier.
- It is more able to cope with the changes that are software development generally entails.

Software engineers can get their hands in and start working on the core of a project earlier




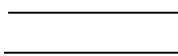


Spiral Model Methodology and its Phases

DATA FLOW DIAGRAM :

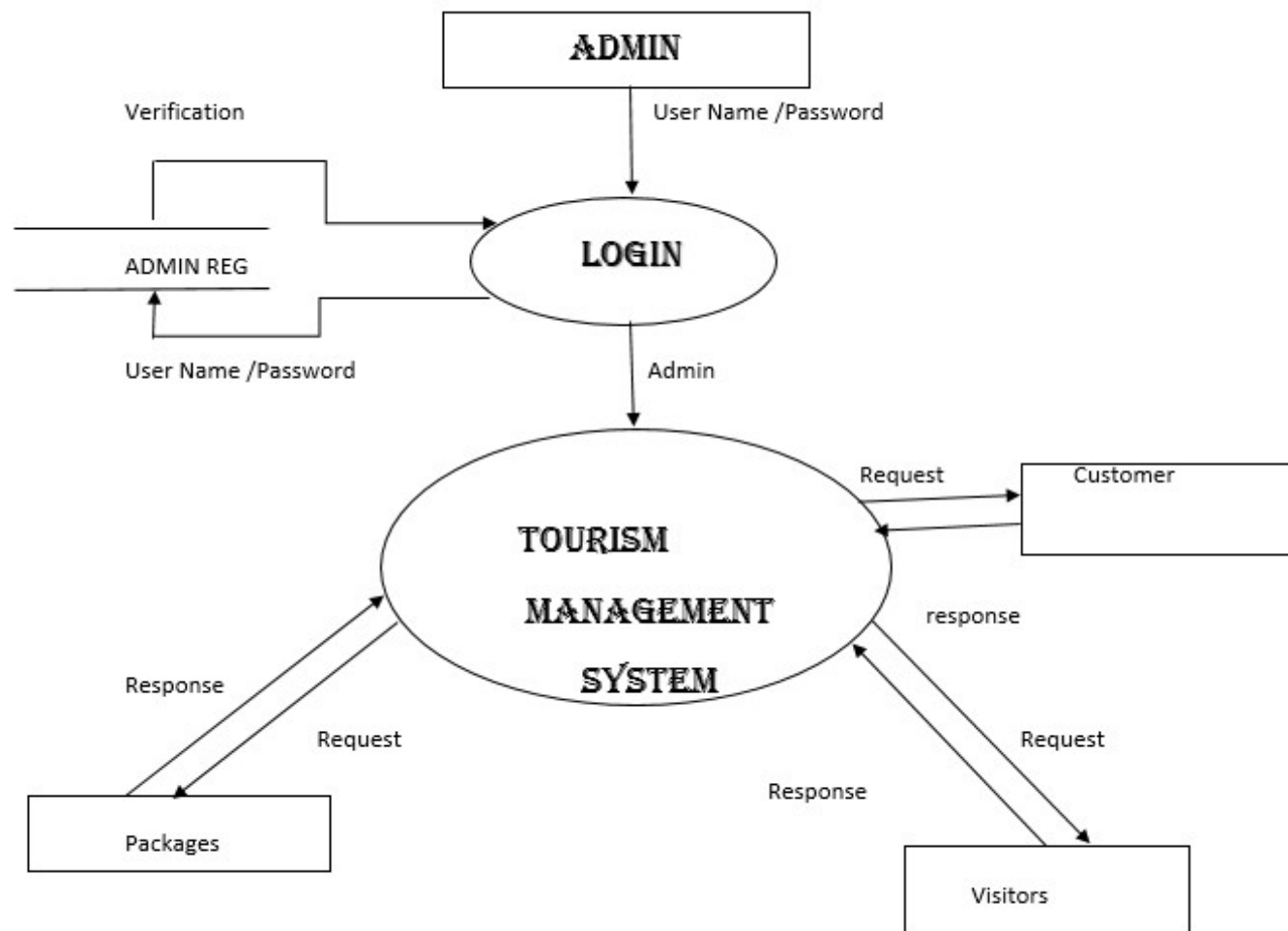
DFD are used to graphically represent the flow of data in a business information system. DFD describes the processes that are involved in system to transfer data from the input to the file storage and reports generation. DFD graphically representing the function or processes which capture, manipulate, store and distribute data between a system and its environment and between components of a system.

Symbol used in DFD

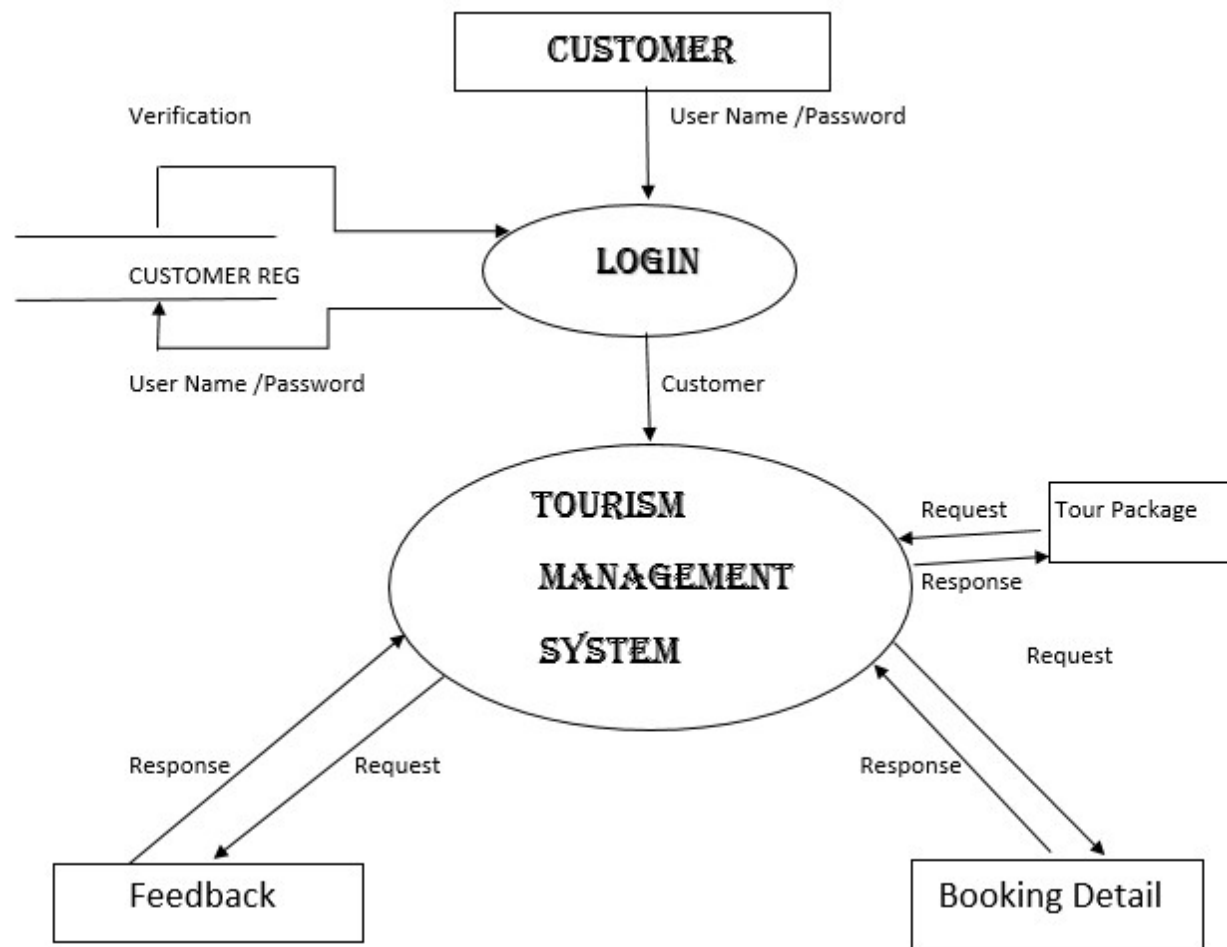
Symbols	Description
	Process: Here flow of data is transformed.
	Entity: A source or destination of data which is external to the system.
	Data Flow: It is a packet of data. It may be in the form of a document, letter, telephone call etc.
	Data Store: Any store data but with no reference to the physical method of storing.



CONTEX LEVEL DFD



FIRST LEVEL DFD FOR ADMIN



FIRST LEVEL DFD FOR CUSTOMER

Data Dictionary

The Data Dictionary is a responsibility of various data files in DFD. The associated data dictionary states precisely the structure of each data flow in the DFD.

DFD Dictionary stores description of data and structure as well as system processes. It is intended to be used understand the system by analyst who retrieves the details and description are store.

They also perform cross reference checking and error detection. Automated at dictionary system are becoming the development of computer information system.

Table structure

➤ **Table Name :** Admin

➤ **How to use :** For Admin Login

Field Name	Data Type	Size	Description	Constraint
ID	Integer	11	For ID of Admin	Primary
User Name	Varchar	100	Admin Name	Not Null
Password	Varchar	100	Admin Password	Not Null
Updationdate	timestamp		For last update of password of admin	Not Null

➤ **Table Name :** TBL Booking

➤ **How to use :** For Booking

Field Name	Data Type	Size	Description	Constraint
Booking ID	Integer	11	For Booking ID	Not Null
Package ID	Integer	11	For Package ID	Not Null
User Email	Varchar	100	For User Email	Not Null
From Date	Varchar	100	For Date of going for tour	Not Null
To date	Varchar	100	For last date of tour	Not Null
Comment	MediumText		Comment of user for package	Not Null
RegDate	Time Stamp		Registration date of package	Current Timestamp
Status	Integer	11	Status of booking confirm or not	Not Null
Cancelled by	Varchar	5	Cancellation of package	Not Null
Updation Date	Time Stamp		Updation of Package	Not Null

➤ **Table Name :** TBLenquiry

➤ **How to use :** Here User can Enquire of Their Question

Field Name	Data Type	Size	Description	Constraint
ID	Integer	11	ID of enquiry	Primary Key
Full Name	Varchar	100	Name of user	Not Null
Email ID	Varchar	100	Email ID of user	Not Null
Mobile No.	Number	10	User Mobile Number	Not Null
Subject	Varchar	100	Enquiry Subject	Not Null
Description	Medium Text		Description of enquiry	Not Null
Posting Date	Time stamp		Current time stamp of posting enquiry	Time stamp
Status	Integer	1	Status of enquiry	Not Null

➤ **Table Name :** TBLissues

➤ **How to use :** Here user can raise their issues

Field Name	Data Type	Size	Description	Constraint
ID	Integer	11	ID of enquiry	Primary Key
Email ID	Varchar	100	Email ID of user	Not Null
Issues	Varchar	100	User's Issues	Not Null
Description	Medium Text		Description of issues	Not Null
Posting Date	Time stamp		Current time stamp of posting enquiry	Time stamp
Admin Remark	Medium Text		Admin 's Remark	Null
Admin Remark Date	Time Stamp		Admin Remark's date	Null

➤ **Table Name :** TBLpage

➤ **How to use :** Admin uses to create information pages

Field Name	Data Type	Size	Description	Constraint
ID	Integer	11	Page of ID	Primary Key
Type	Varchar	255	Type of page	Not Null
Detail	Long Text		Detail of Page	Not Null

➤ **Table Name :** TBLtourpackages

➤ **How to use :** To create tour Packages

Field Name	Data Type	Size	Description	Constraint
Package ID	Integer	11	ID of Package	Primary Key
Package Name	Varchar	200	Name of Package	Not Null
Package Type	Varchar	150	Type of Package	Not Null
Package Location	Varchar	100	Location of Package	Not Null
Package Price	Integer	11	Price of Package	Not Null
Package Feature	Medium Text	255	Feature of Package	Not Null
Package Detail	Medium Text		Detail of Package	Not Null
Package Images	Varchar	100	Image of Package	Not Null
Creation Date	Time Stamp		Creation Date of Package	Current Timestamp
Updation Date	Time Stamp		Updation Date of Package	Not Null

➤ **Table Name :** TBLusers

➤ **How to use :** information of users saved here

Field Name	Data Type	Size	Description	Constraint
ID	Integer	11	ID of user	Primary Key
Full Name	Varchar	100	Name of user	Not Null
Mobile Number	Number	10	Mobile Number of user	Not Null
Email	Varchar	70	Email of user	Not Null
Password	Varchar	100	Password of user	Not Null
Reg Date	Time Stamp		Registration Date of user	Current Timestamp
Updation Date	Time Stamp		Updation Date of user	Current Time Stamp
Otp	Float		For otp	Null

Entity Relational Model

It is also called as Entity Relationship Diagram, is graphical representation of entities and their relationship to each other.

It is a graphical representation of logical structure of database.

An ER model is model typically implemented as a database.

An ER model is model is based on the concept of real world.

It consists of collection of objects known as Entities and Relationship among those Entities.

➤ Major Components of ER Model

1) Entity :

An Entity is a “Thing” or “object” that exist in real world and which is unique from other objects.

It can be anything like person, car, place, building etc.

2) Attributes :

Each Entity is described by a set of feature or properties.

All Attributes have values.

These attributes identifier each Entity uniquely.

Ex attribute of student Entity is Roll no, Name, DOB, Age, Add etc.

3) **Relationship** :

A Relationship describes relations between entities.

Each participating entity performs a function or role in a relationship.

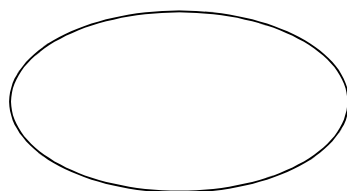
The symbol and the notation used in ER-Diagram are as follows:

1. Rectangle



It represents entity set.

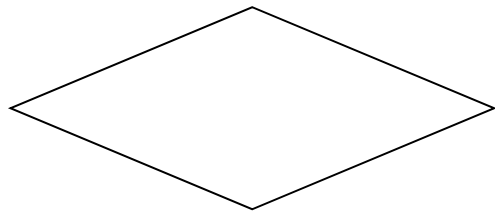
2. Ellipse



It represents attributes.

3. Diamonds

It represents entity relationship among the entity set.

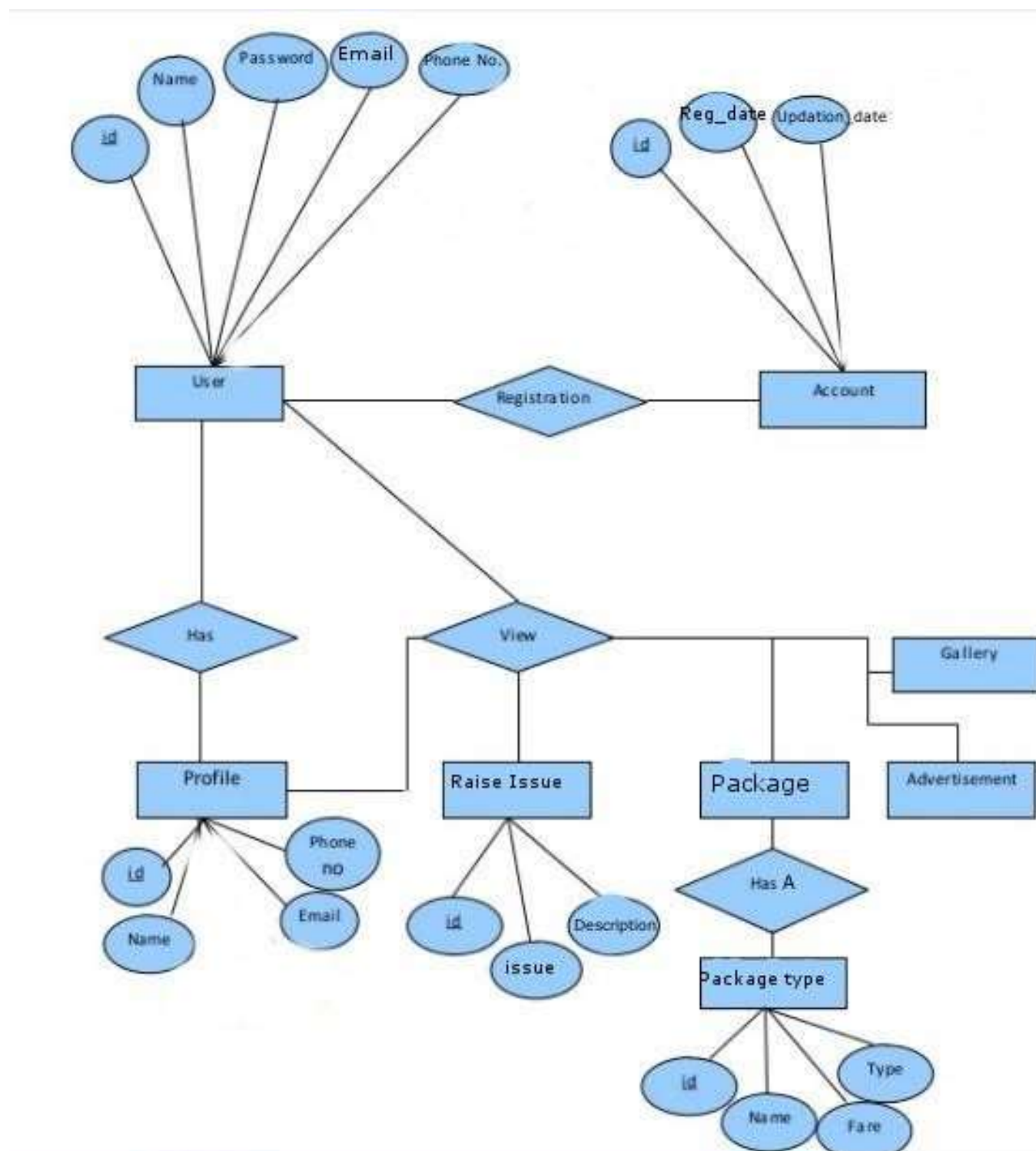


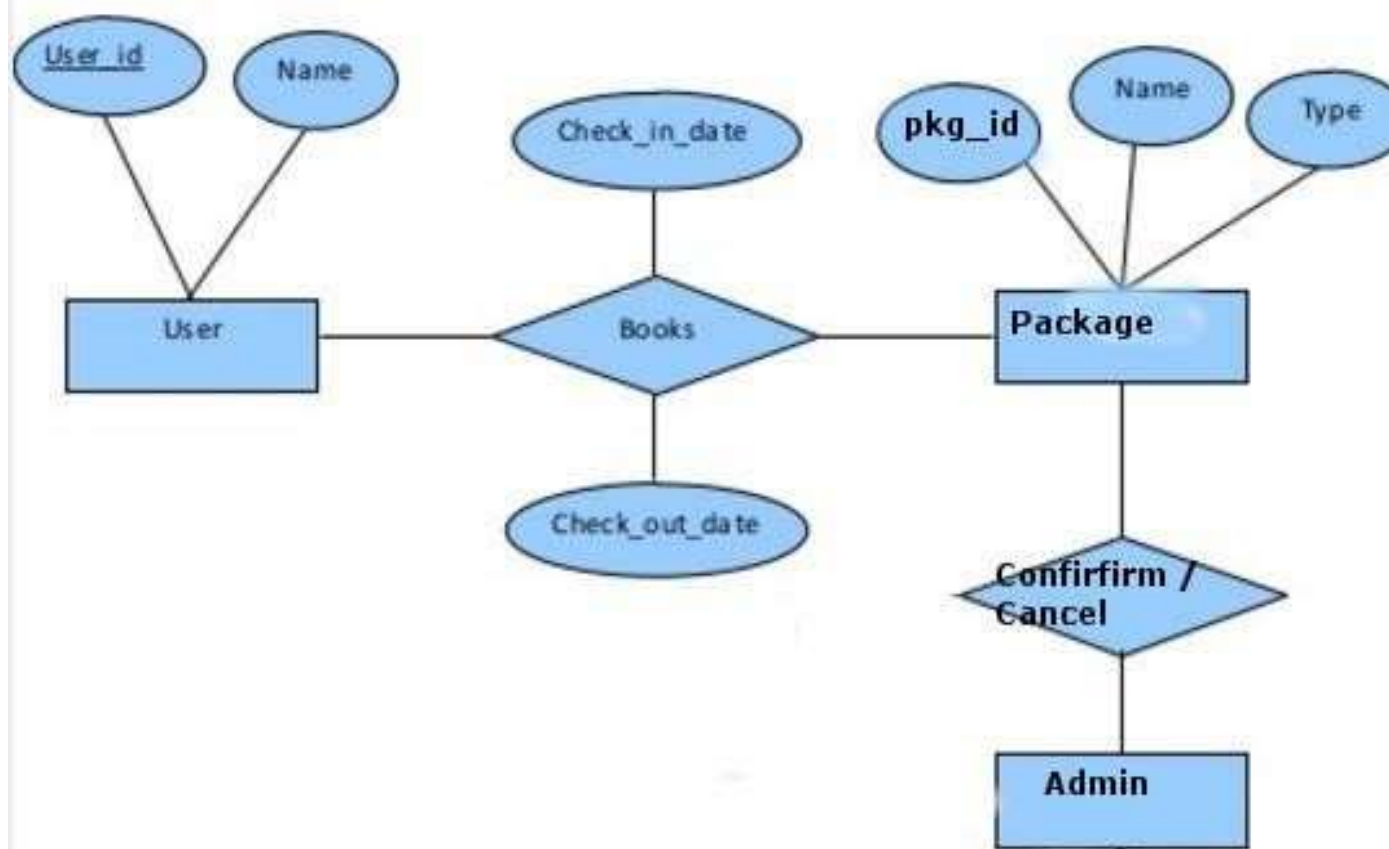
4. Line



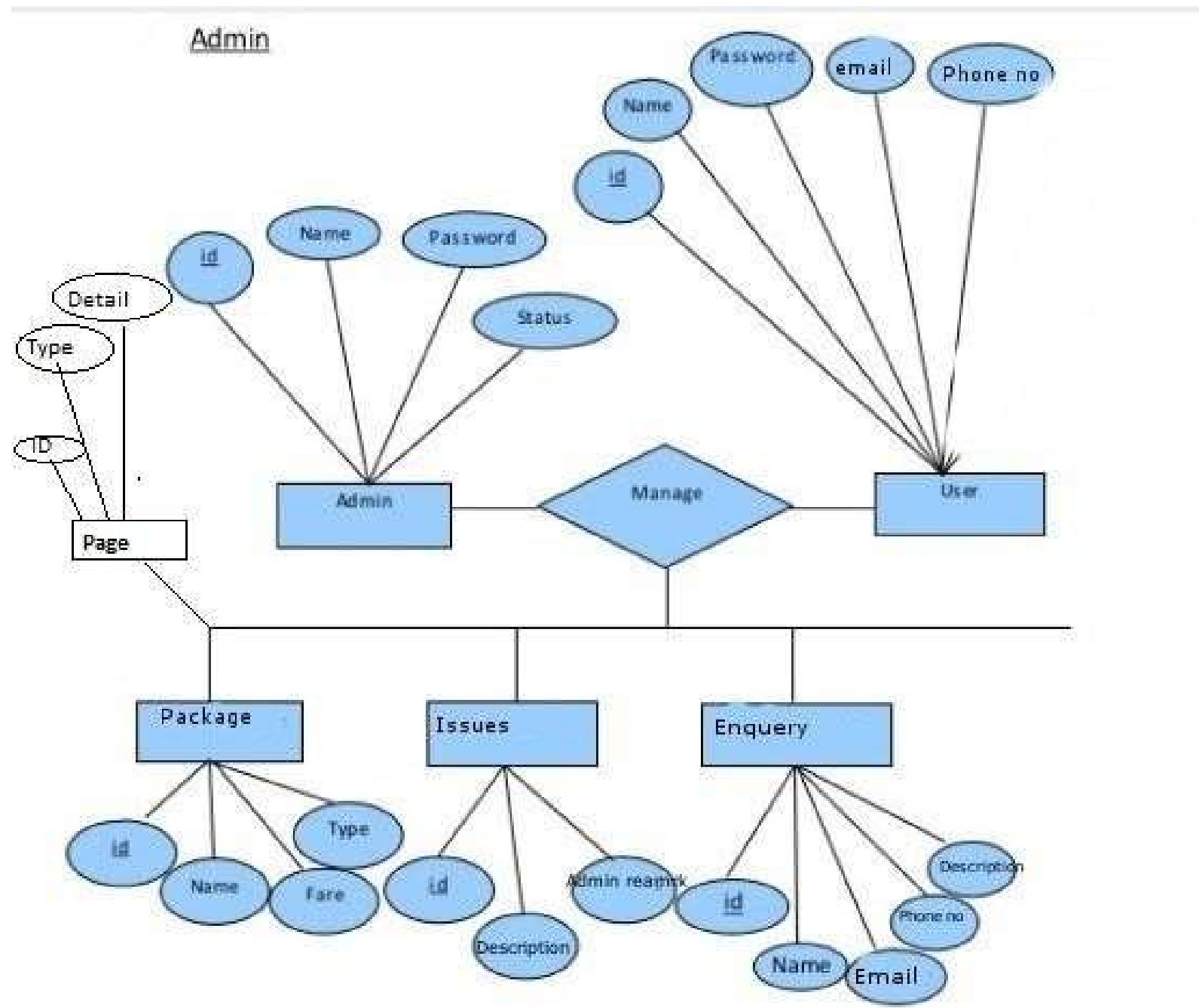
It line link between entity sets and their relationship.

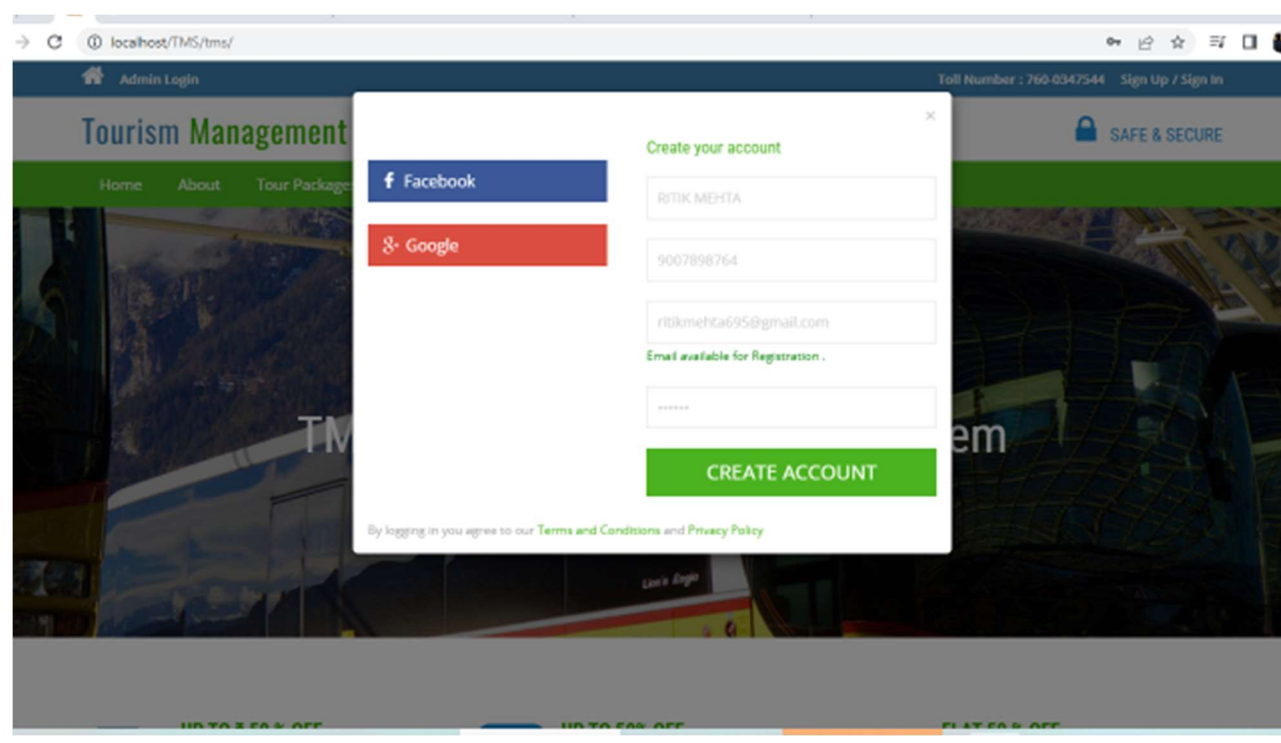
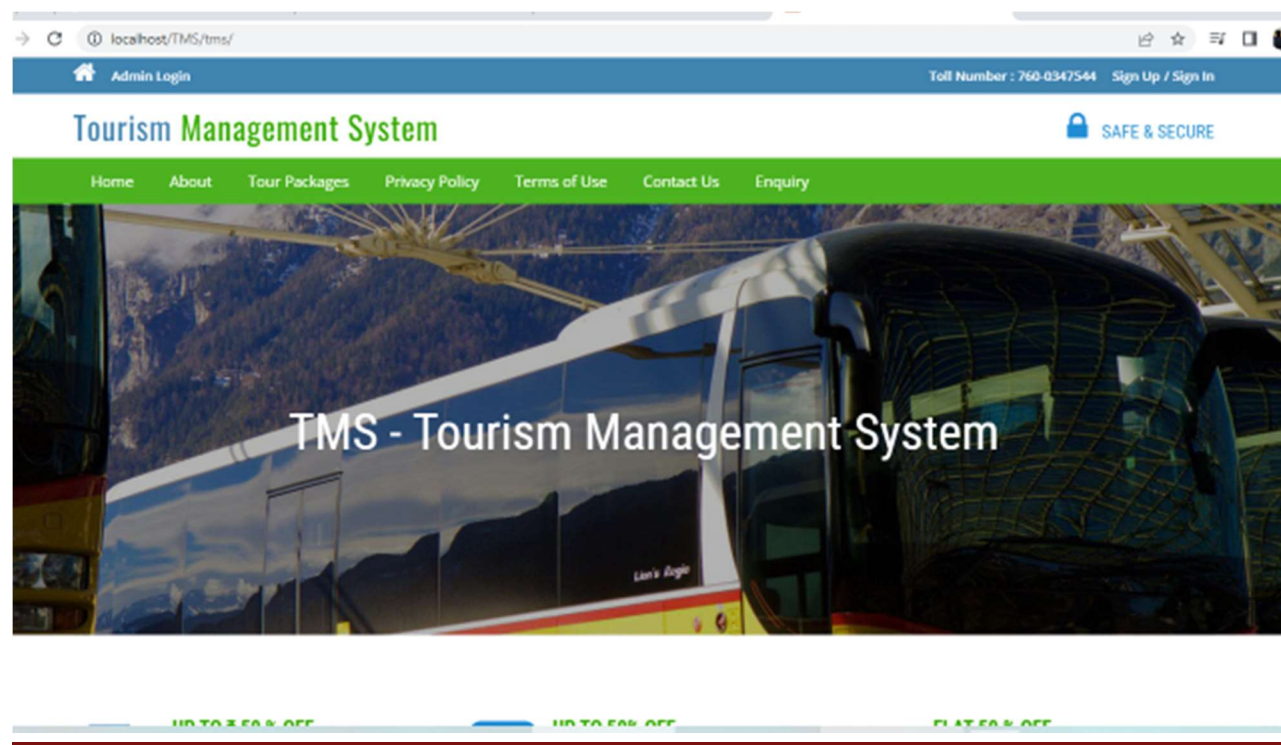
ER DIAGRAM FOR USER

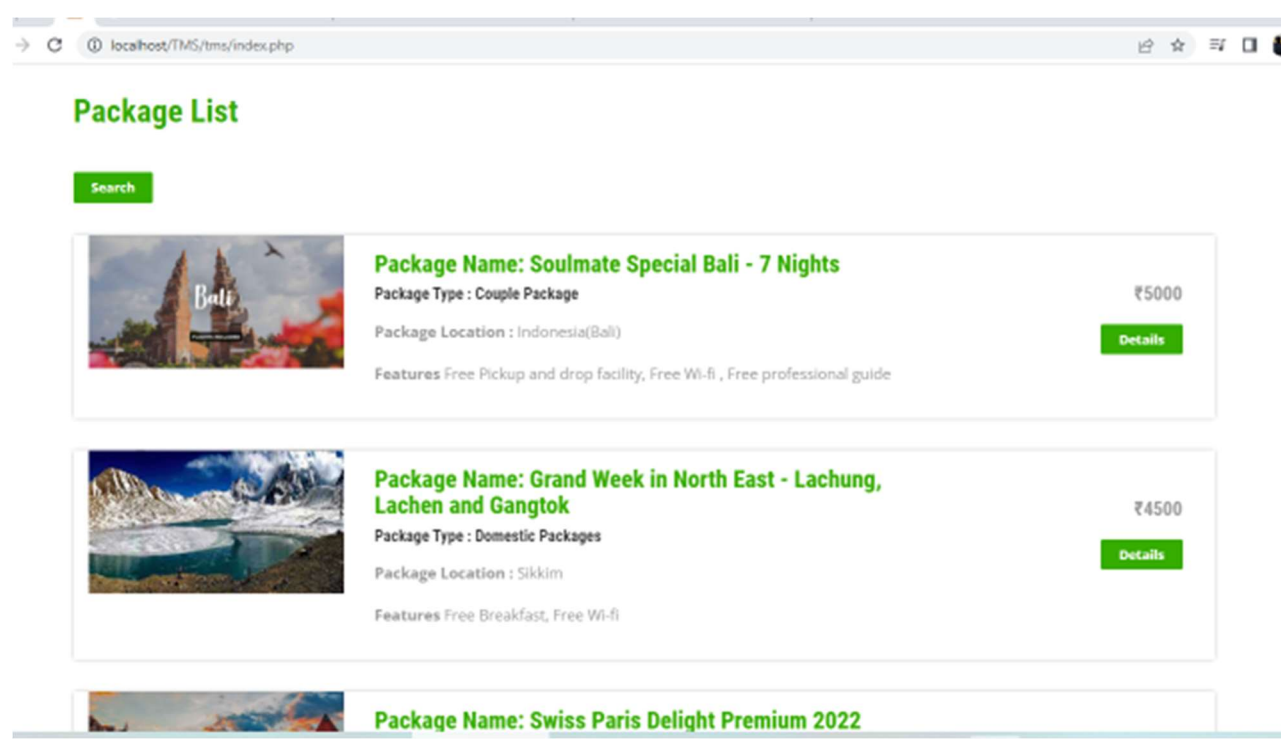
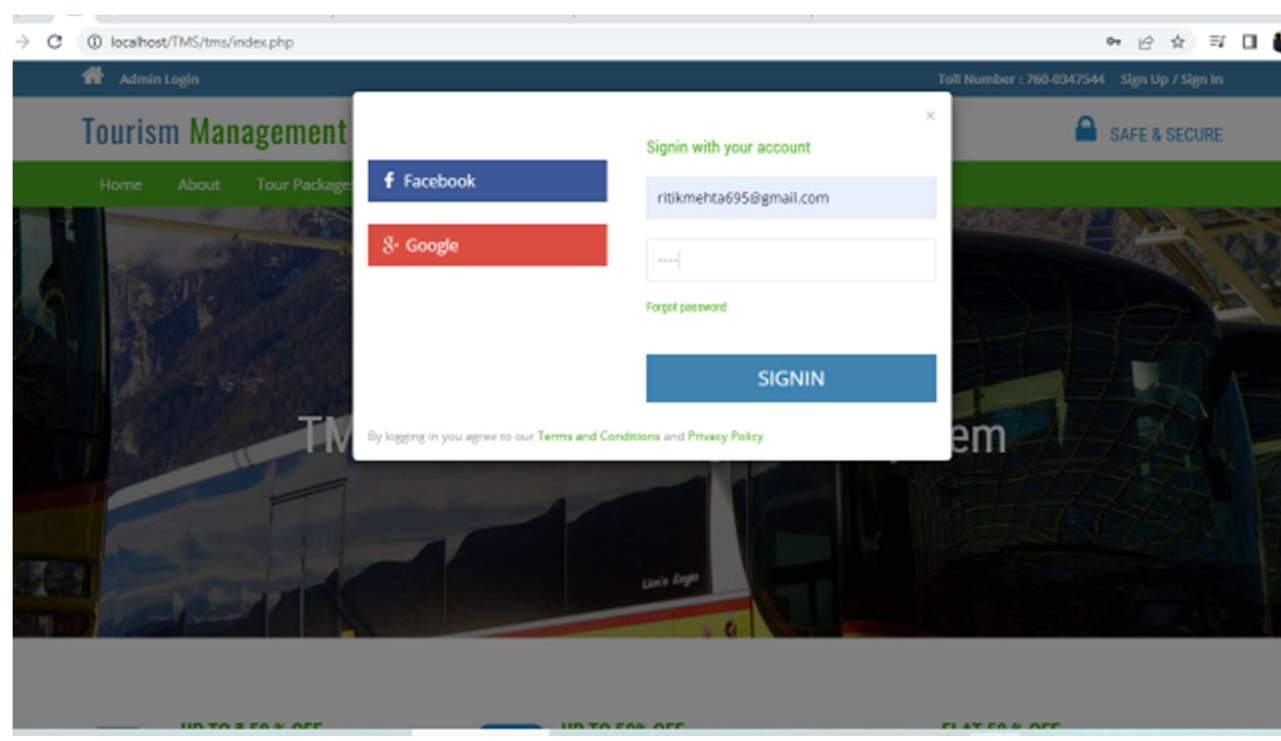




ER DIAGRAM FOR ADMIN








localhost/TMS/tms/package-list.php

My ProfileChange PasswordMy Tour HistoryIssue TicketsWelcome : rtkmehta695@gmail.com / Logout

Tourism Management SystemSAFE & SECURE

HomeAboutTour PackagesPrivacy PolicyTerms of UseContact UsNeed Help? / Write Us




TMS- Package List

Package List

1

Enter maximum price



Package Name: Swiss Paris Delight Premium 2022 (Group Package)


Package Type : Group Package

Package Location : Paris and Switzerland

₹6000

Details

37



Swiss Paris Delight Premium 2022 (Group Package)

#PKG-1

Package Type : Group Package

Package Location : Paris and Switzerland

Features Round trip Economy class airfare valid for the duration of the holiday - Airport taxes - Accommodation for 3 nights in Paris and 3 nights in scenic Switzerland - Enjoy continental breakfasts every morning - Enjoy 5 Indian dinners in Mainland Europe - Exp

From

2022-04-12

To

2022-04-16

Total Member

5

Grand Total

6000

Package Details

Pick this holiday for a relaxing vacation in Paris and Switzerland. Your tour embarks from Paris. Enjoy an excursion to popular attractions like the iconic Eiffel Tower. After experiencing the beautiful city, you will drive past mustard fields through Burgundy to reach Switzerland. While there, you can opt for a tour to Interlaken and then to the Trummelbach Falls. Photostop at Zurich Lake and a cable car ride to Mt. Titlis are the main highlights of the holiday.

From

2022-04-12

To

2022-04-16

Total Member

5

Grand Total

6000

Package Details

Pick this holiday for a relaxing vacation in Paris and Switzerland. Your tour embarks from Paris. Enjoy an excursion to popular attractions like the iconic Eiffel Tower. After experiencing the beautiful city, you will drive past mustard fields through Burgundy to reach Switzerland. While there, you can opt for a tour to Interlaken and then to the Trummelbach Falls. Photostop at Zurich Lake and a cable car ride to Mt. Titlis are the main highlights of the holiday.

Travels

Comment

When will be my ticket confirm ?

Book

localhost/TMS/tms/change-password.php

Home About Tour Packages Privacy Policy Terms of Use Contact Us Need Help? / Write Us

TMS-Tourism Management System

Change Password

Current Password

New Password

Confirm Password

Change

localhost/TMS/tms/change-password.php

TMS-Tourism Management System

Change Password

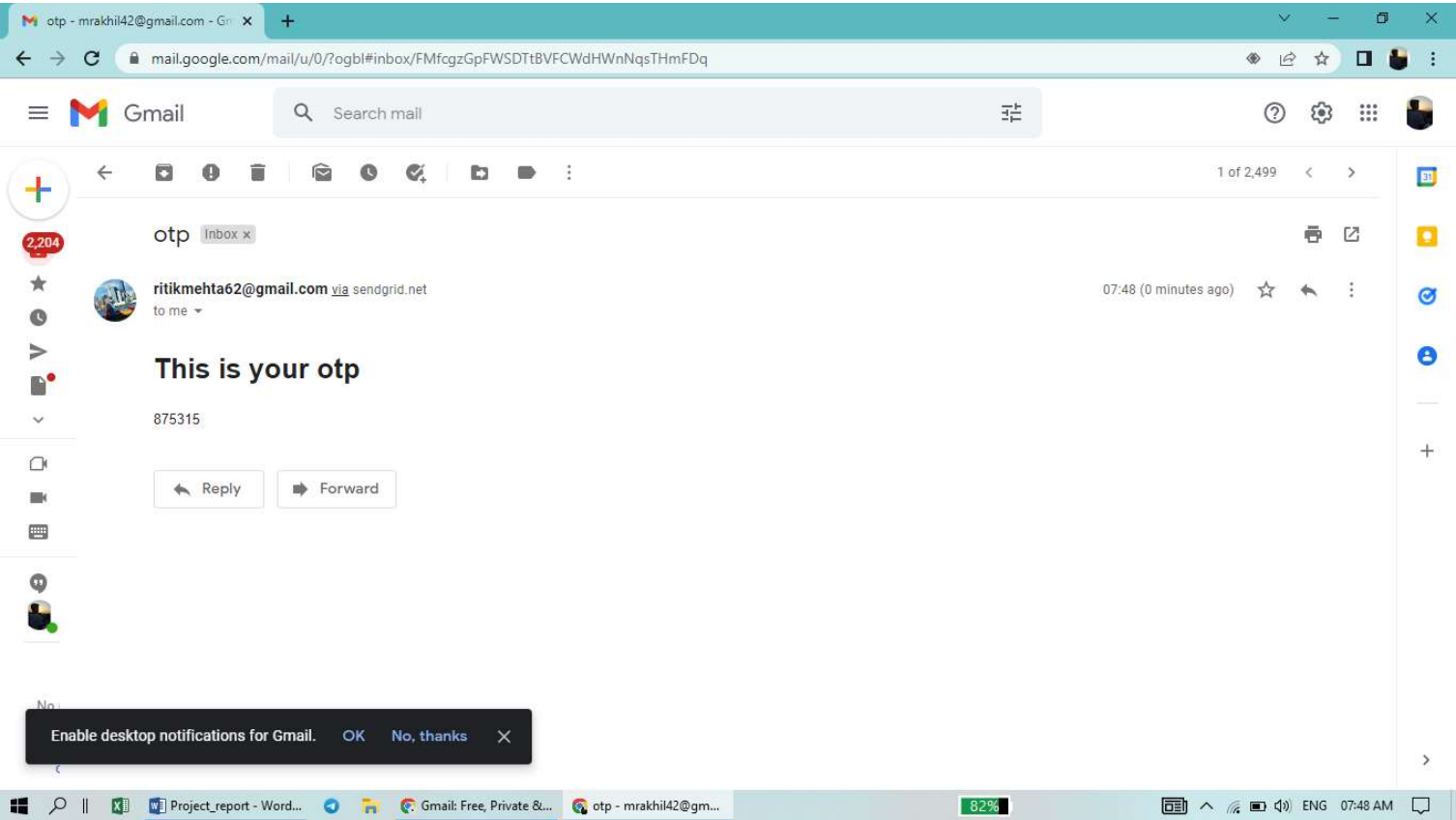
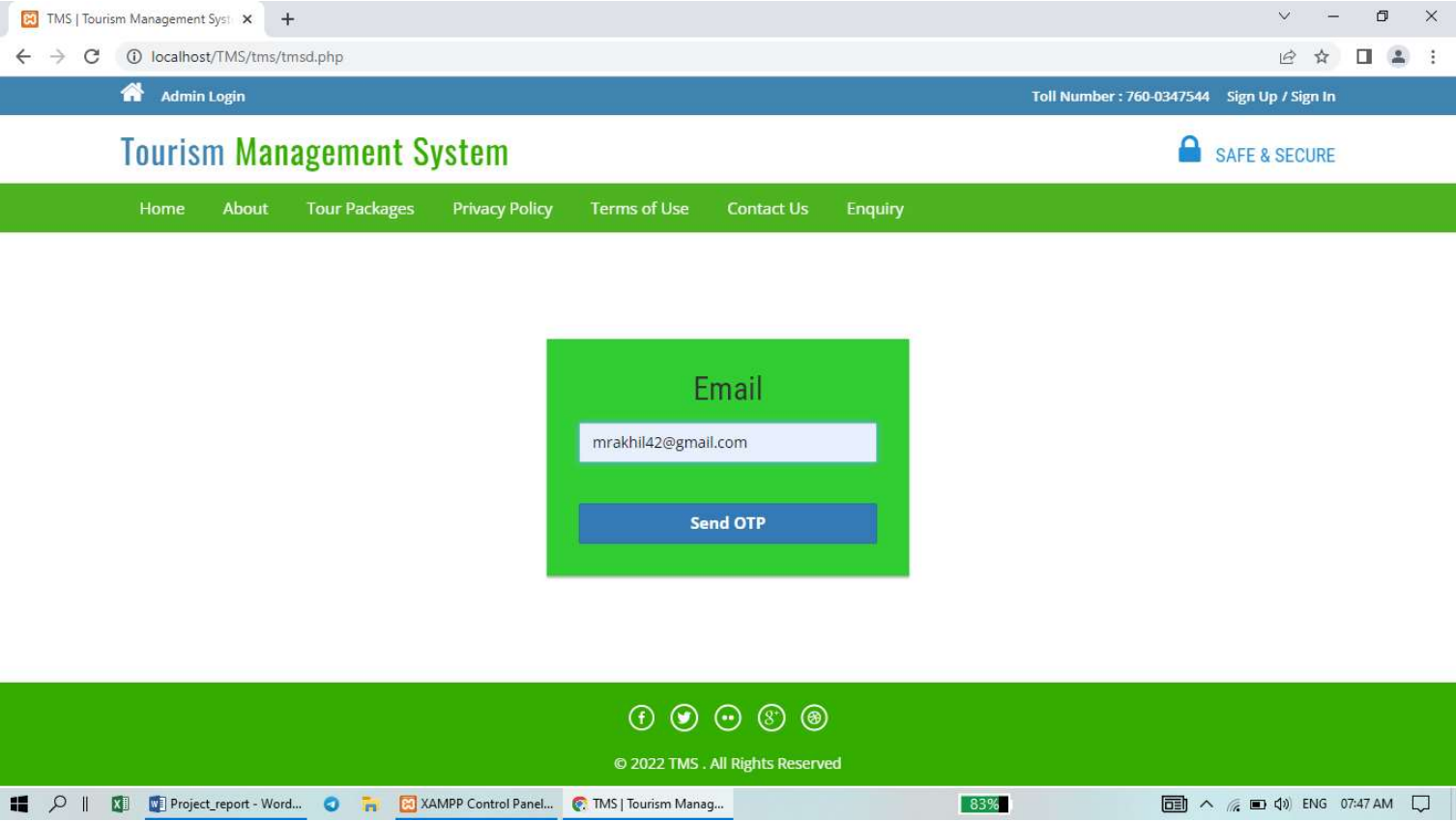
SUCCESS:Your Password succesfully changed

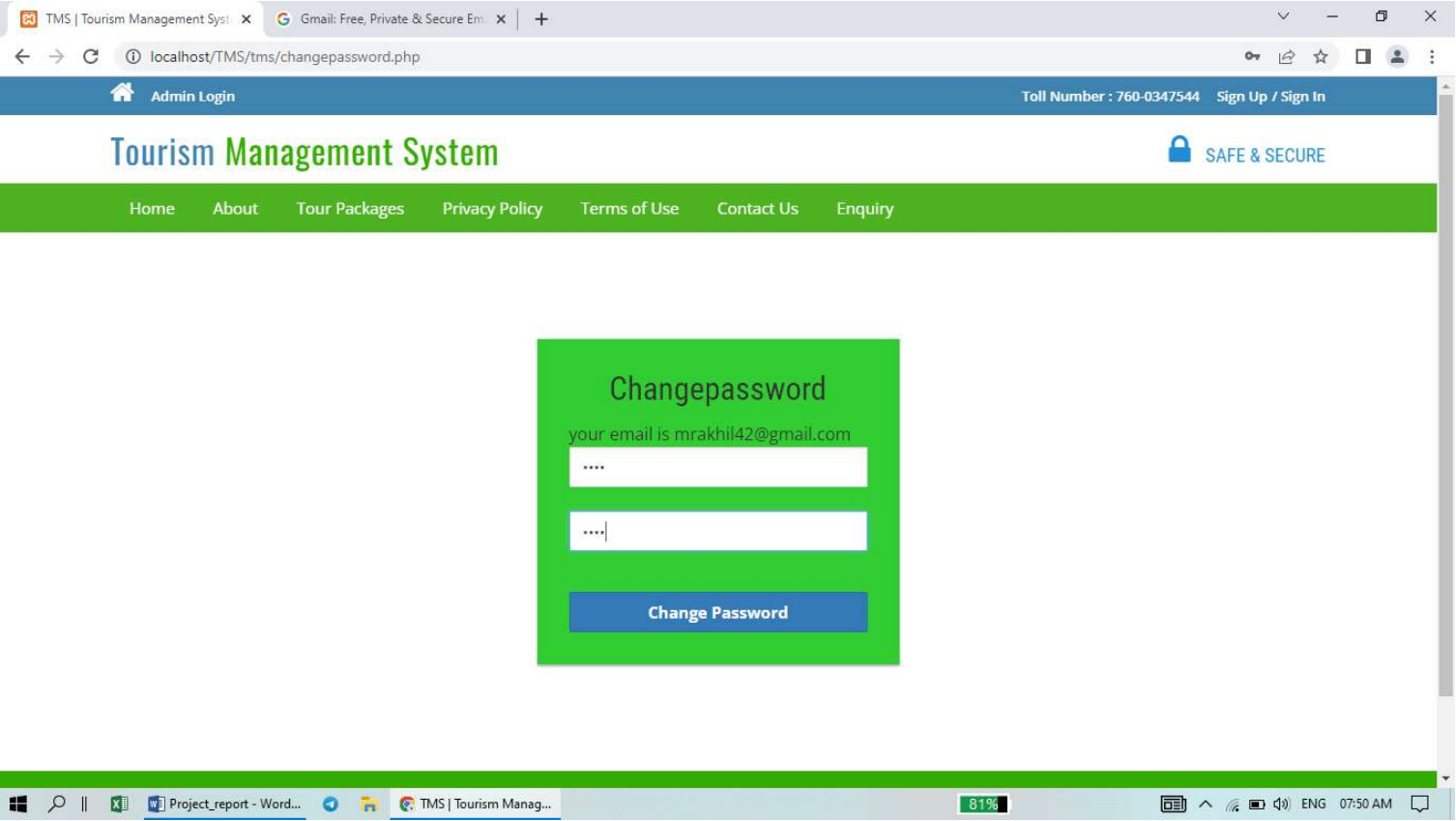
Current Password

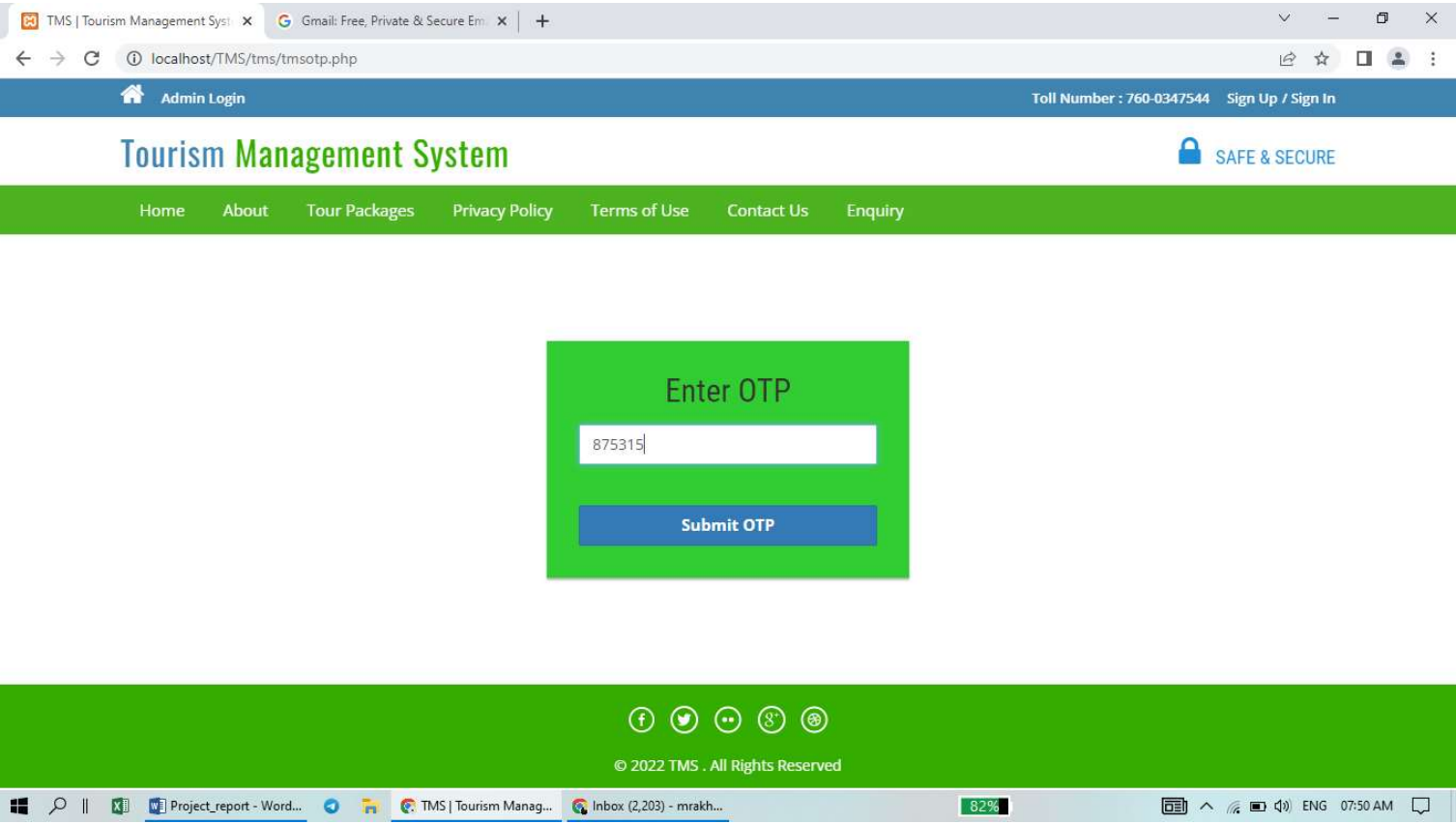
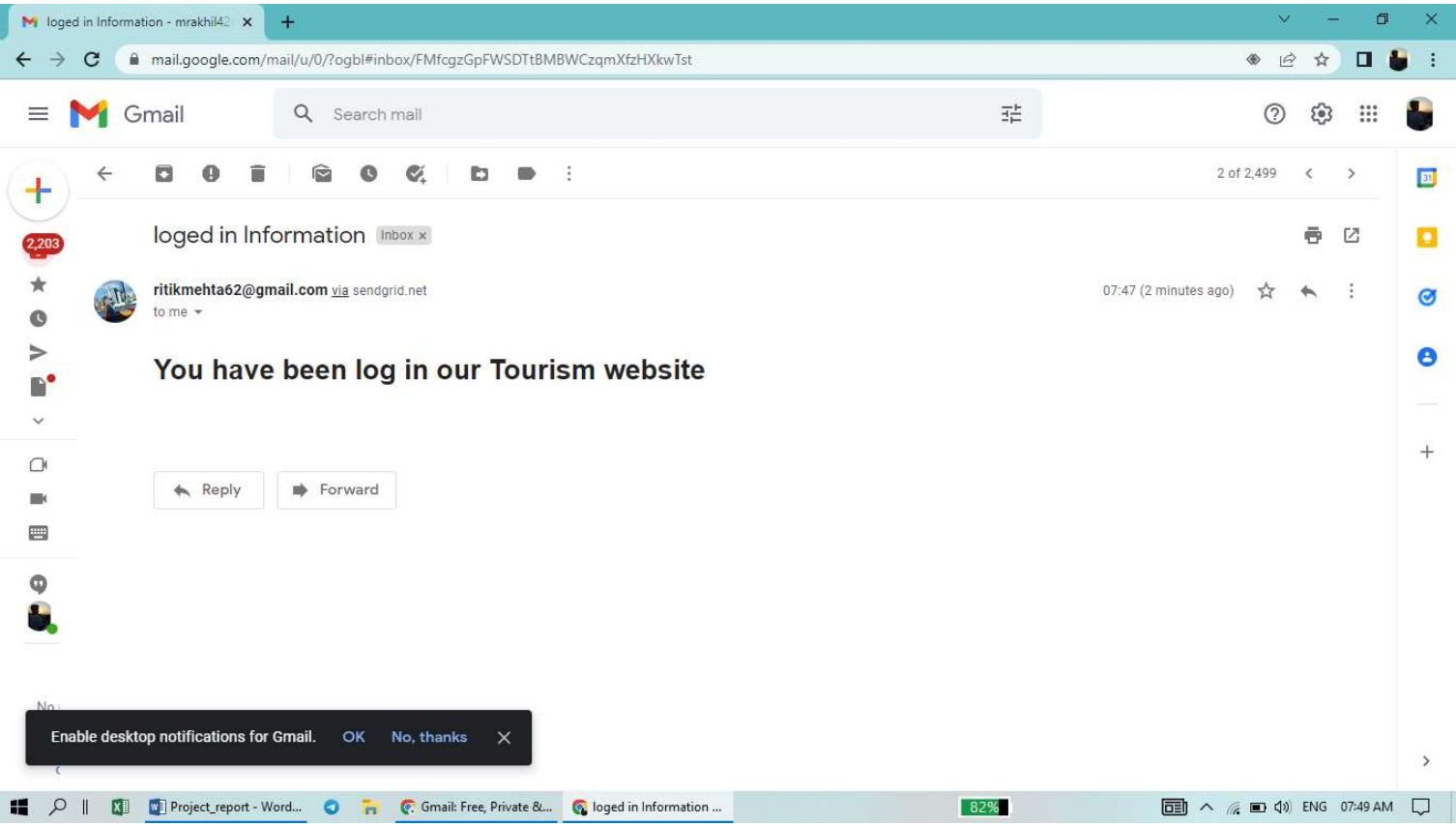
New Password

Confirm Password

Change



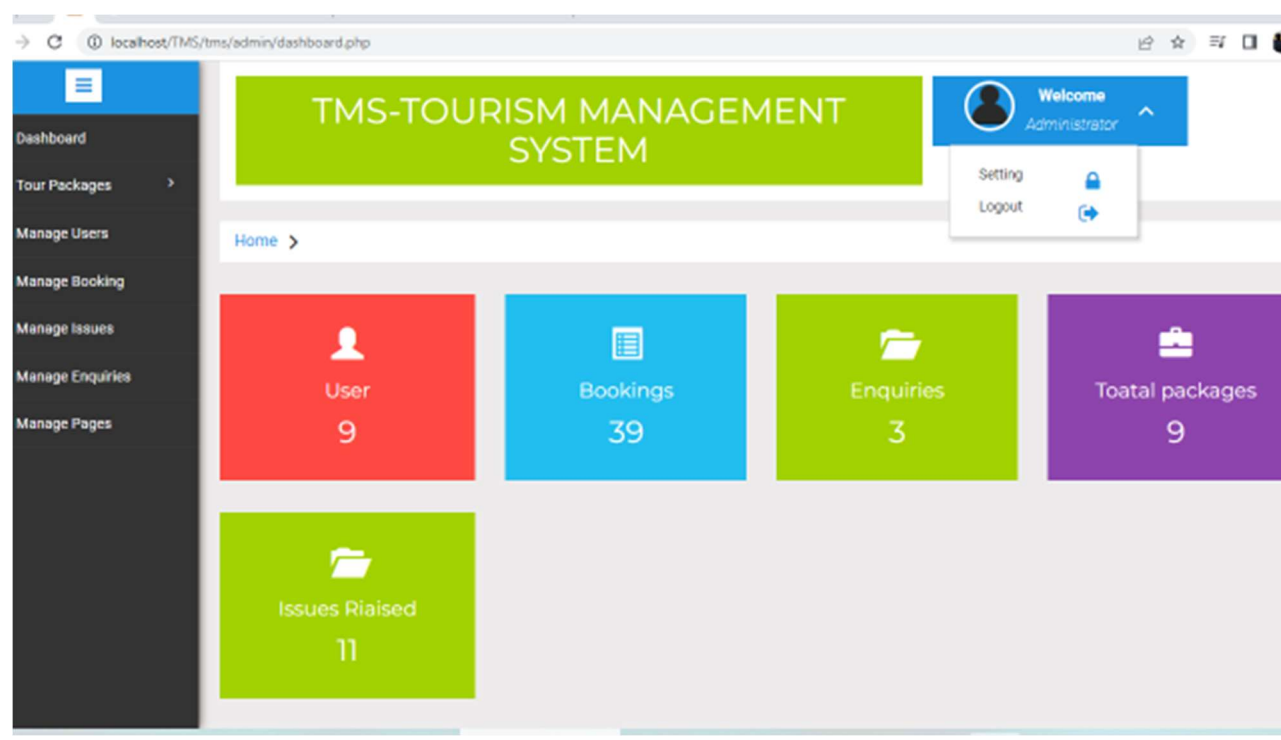
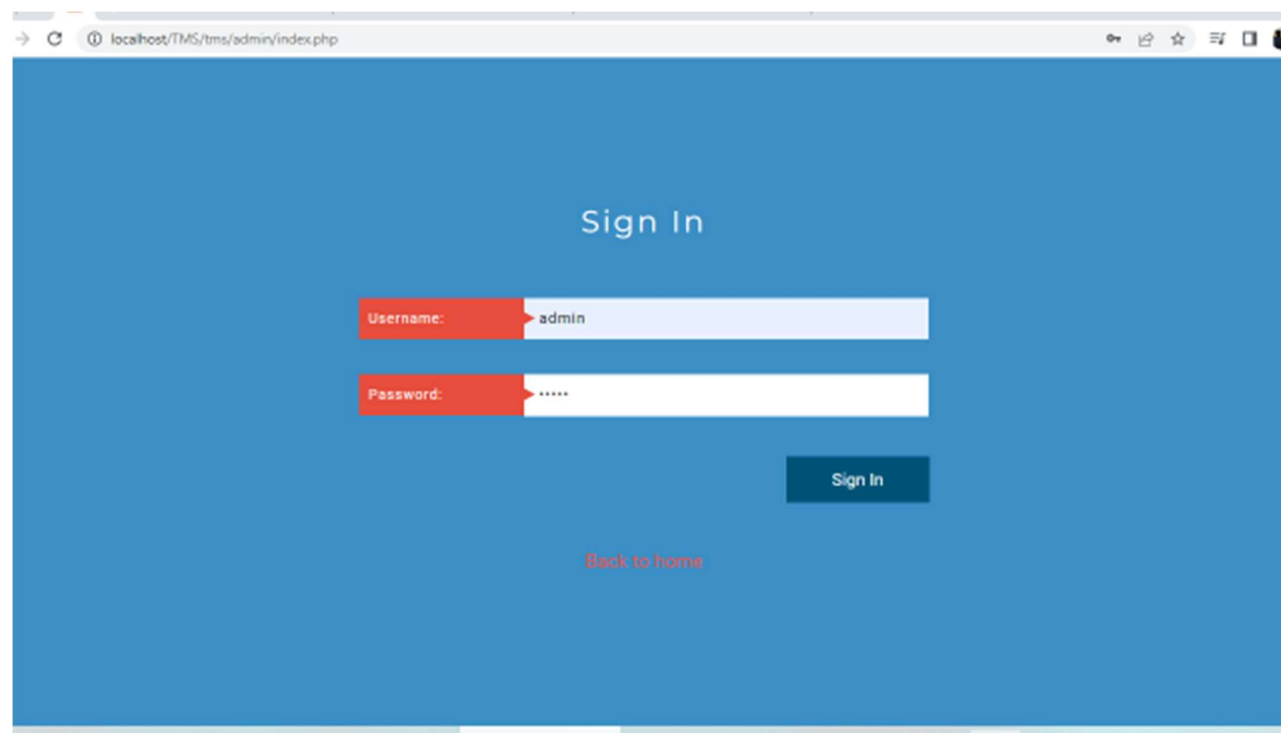




Changepassword

your email is
ntikmehta695@gmail.com

Change Password



localhost/TMS/tms/admin/manage-bookings.php

TMS-TOURISM MANAGEMENT SYSTEM

Welcome Administrator

Home > Manage Bookings

Manage Bookings

BOOKIN ID	NAME	MOBILE NO.	EMAIL ID	REGDATE	FROM /TO	COMMENT	STATUS	ACTION
#BK-3	Abir	4780756456	abir@gmail.com	Kerala - A Lovers Paradise - Value Added	2020-07-11 To 2020-07-15	When I get conformation	Canceled by you at 2020-07-08 12:19:55	Cancelled
#BK-4	Test	1987894654	anuj@gmail.com	Swiss Paris Delight Premium 2022 (Group Package)	2022-02-09 To 2022-02-26	who are you?	Pending	Cancel / Confirm

localhost/TMS/tms/admin/create-package.php

Home > Create Package

Create Package

Package Name

Swiss Paris Delight Premium 2022 (Group Package)

Package Type

Group

Package Location

France

Package Price

12346

Package Features

Round trip Economy class airfare valid for the duration of the holiday - Airport taxes - Accommodation for 3 night

Package Details

Pick this holiday for a relaxing vacation in Paris and Switzerland. Your tour embarks from Paris. Enjoy an excursion to popular attractions like the iconic Eiffel Tower. After experiencing the beautiful city, you will drive past mustard fields through Burgundy to reach Switzerland. While there, you can opt for a tour to Interlaken and then to the Trummelbach Falls. Photostop at Zurich Lake and a cable car ride to Mt. Titlis are the main highlights of the holiday.

Package Image

Choose File

c3.jpg

CREATE

RESET

localhost/TMS/tms/admin/manage-users.php

Home > Manage Users

Manage Users

#	NAME	MOBILE NO.	EMAIL ID	REGDATE	UPDATION DATE
1	Manju Srivastav	4456464654	manju@gmail.com	2020-07-08 12:03:20	
2	Kishan	9871987979	kishan@gmail.com	2020-07-08 12:03:56	
3	Salvi Chandra	1398756416	salvi@gmail.com	2020-07-08 12:04:20	
4	Abir	4789756456	abir@gmail.com	2020-07-08 12:04:38	
5	Test	1987894654	anuj@gmail.com	2020-07-08 12:05:06	2021-05-11 10:07:41
6	ritik mehta	1234567890	ritikmehta695@gmail.com	2022-03-09 14:33:15	2022-04-11 16:50:22
7	aman	1234567890	aman62625@gmail.com	2022-03-10 10:32:31	2022-03-10 10:36:48
8	AKHIL PANDEY	3456789012	mrakhi42@gmail.com	2022-03-10 20:36:19	2022-03-16 14:04:10
9	anil	1234567890	ak4254749@gmail.com	2022-03-14 10:38:24	2022-03-14 10:40:55

localhost/TMS/tms/admin/manageissues.php

Home > Manage Issues

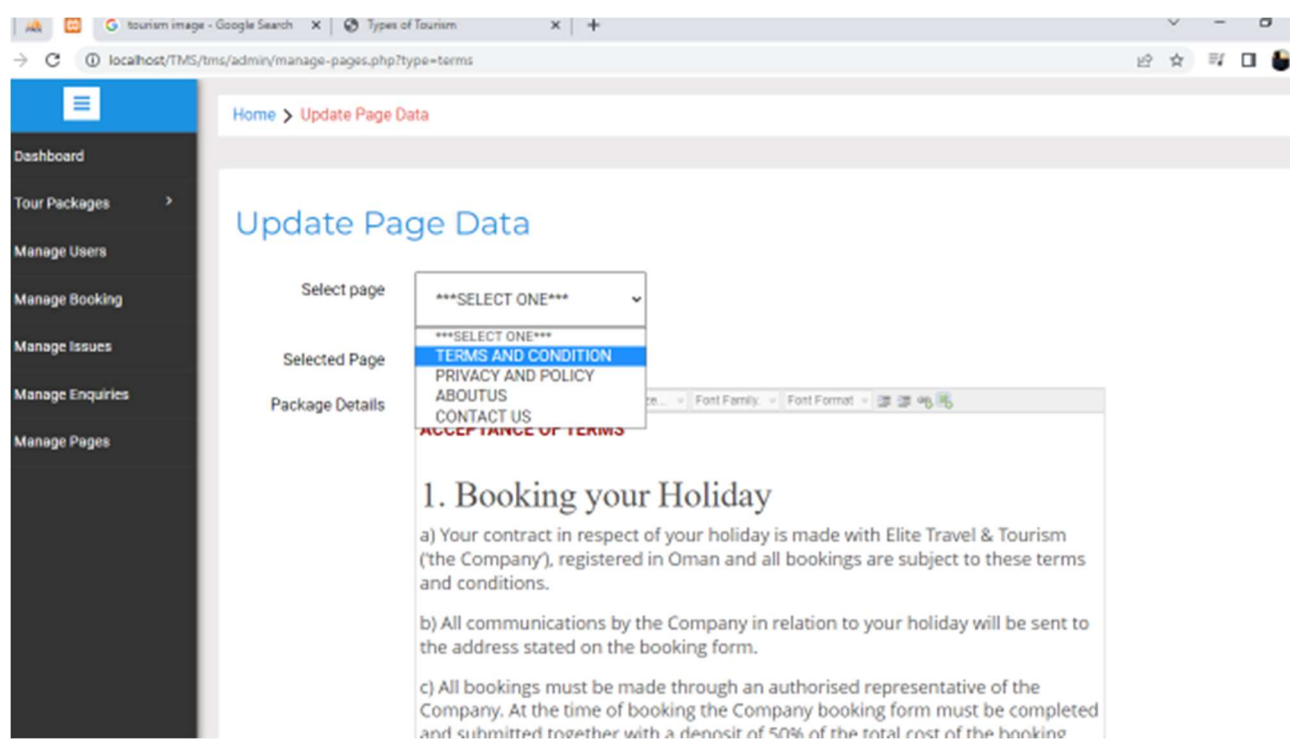
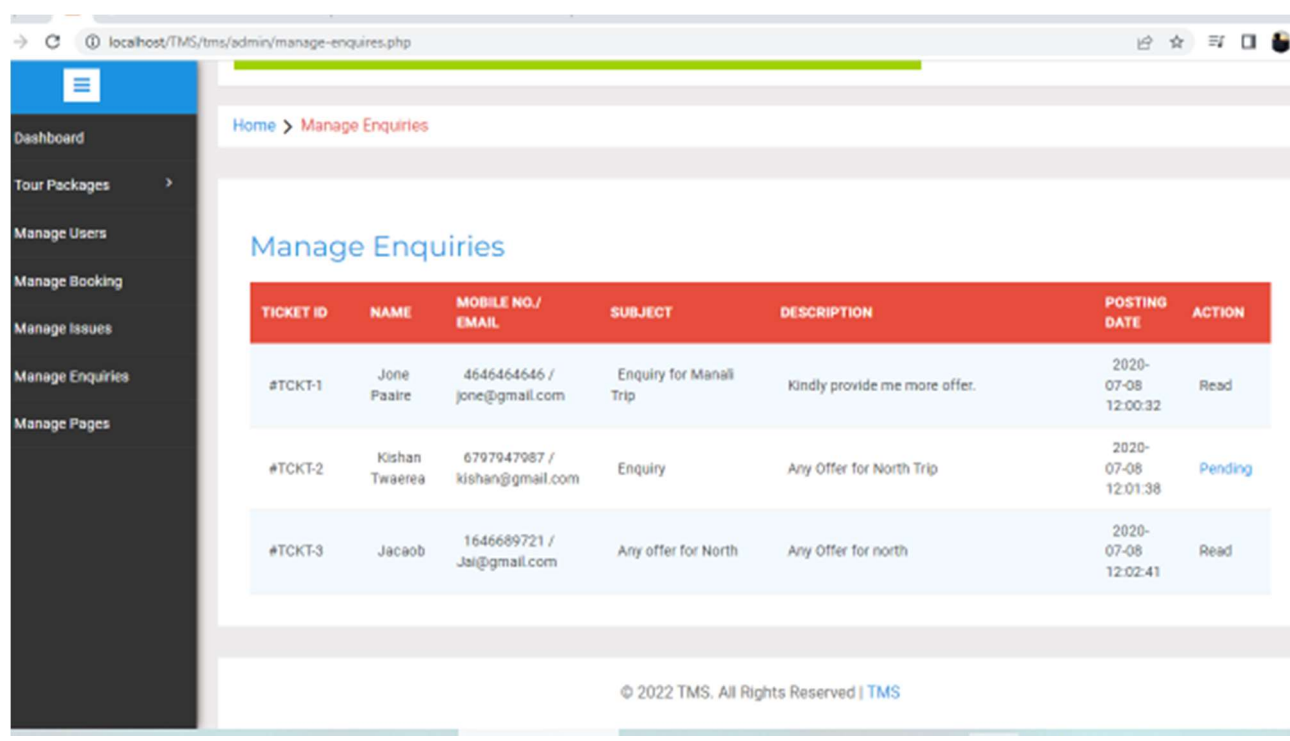
TMS-TOURISM MANAGEMENT SYSTEM

Welcome Administrator

Manage Issues

#	NAME	MOBILE NO.	EMAIL ID	ISSUES	DESCRIPTION	POSTING DATE	ACTION
---	------	------------	----------	--------	-------------	--------------	--------

© 2022 TMS. All Rights Reserved | TMS



localhost/TMS/tms/admin/change-password.php

Dashboard

Tour Packages

Manage Users

Manage Booking

Manage Issues

Manage Enquiries

Manage Pages

TMS-TOURISM MANAGEMENT SYSTEM

Welcome Administrator

Home

Change Password

Current Password

New Password

Confirm Password

SUBMIT

RESET

49

Testing

Testing Plan

The role of the test plan is to guide all testing activities. It describes what is to be tested and what is to be overlooked, how the testing is to be performed and by whom. It is therefore a managerial document, not technical one-in essence; it is a project plan for testing. Therefore the target audience of the plan should be a manager with a decent grasp of the technical issues involved. You can find information about test plans that good planning can save a lot of time, even in an exercise, so do not under estimate the efforts required for this phase

The testing process:

Developer tests the software process activities such as design, and requirement engineering. As, design error are quite costly to repair once system has been started to operate, therefore, it is quite obvious to repair them at early stage of the system. So analysis is the most important of any project. Requirement traceability:

At most interested portion is whether the system is meaning its requirements or not, for that testing should be planned so that all the requirements are individually tested.

Developer checked the output of concern combination of inputs, which gives desirable results, or not. Strictly sticking to your requirement specification, gives you the path to get desirable results from the system.

Tested items:

The tested items are:

- Adding new record
- Update the details
- Cancel / delete detail
- View details

Testing Schedule:

Developer has tested each procedure back-to-back so that errors and omission can be found as early as possible. Once the system has been developed fully, developer tested it on other machines, which differ in configuration.

Conclusion

To conclude the description about the project. The project, developed using PHP and MySQL is based on the requirement specification of the user and the analysis of the existing system, with flexibility for future enhancement.

The expanded functionality of today's software requires an appropriate approach towards software development. This tour management software is designed for people who want to manage various tour of customer. For the past few years the number of people who want to travel around the world or within the country has increase. Thereby the number of tourism has increase drastically. And hence there is a lot of strain on the person who are running the tour company and software's are not usually used in this context. This particular project deals with the problems on managing a Tour booking and avoids the problems which occur when carried manually.

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.

It is extremely wonderful moment while we are concluding this report. This is our first experience to perform such professional work. Objective of this system is to design a user friendly and easy to operate system.

At last we are very thankful to the Veer Narmada South Gujarat University to include this project work as part of our Bachelor in Computer Application. This project work really gives chance to earn something out of typical reference books.

Reference

- www.w3schools.com
- in.php.net
- en.wikipedia.org/wiki/PHP
- www.hotscripts.com/category/php
- www.apache.org
- www.mysql.com/click.php?e=35050
- www.php.net/manual/en/mysqlquickstart-prepared-statements.php