A Project Report on

TOURS&TRAVELS MANAGEMENT SYSTEM

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as a part of
Partial fulfillment of the degree of Bachelor of Technoloy in
Computer Science and Engineering

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CERTIFICATE

This is to certify that the report entitled "**TOURS&TRAVELS MANAGE - MENT SYSTEM"** submitted by ***B.Drakshayni(R170555),N.Bhumika(R170836), Md.Shaistha Afreen(R170552)*** in partial fulfillment of the requirements for the award of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out by them under my supervision and guidance.

The report has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree or diploma.

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My sincere thanks to all the members who helped me directly and indirectly in the completion of project work. I express my profound gratitude to all our friends and family members for their encouragement.

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Abstract

In this project a detailed review of tour and travels management system. The main objectives of this website to know the package related to the trip and journey with best facility and current offer. Searching will be very easy .At a single click will be able to fetch the required data. Nowadays, there are multiple travel packages existing from the various websites to approximately all the locations over the world.

A customer demonstrates that it is extremely complicated to search for the multiple of the packages as for significant websites, contact, and communication with the travel agents and more options that exists in it which is a passive method and time-consuming.

This project will assist travellers to recommend the best Travel Package among all the packages relevant information such as image, hotel facility, Google map facility, transport facility and description about the places where they want to visit. The tour and travels management system will be helpful for tourism.

Introduction

The main purpose of Tour and travels management system is to provide a best fa cility and travelling services for a customer to book hotels, flight and bus ticket for trip purpose. We have developed tour and travels management system to provide a search platform find their tour places according to their choices.

This is instead of to provide the best traveling services to the customers and travel agents.We have expanded tours and travel administration strategy to provide an exploration platform where a tourist can find their trip spots according to their choices.

This method further assists to promote reliable and fascinating tourism so that people can celebrate their vacations in their favourite places.

This process also encourages to expanding tourism with different cultures, communities, so that they enhance the tourism experience, adventure, and build pride.

We create this system to establish and expand the structure of tourism that provides healthy interaction opportunities for tourists and natives and improves a Better awareness of different cultures, traditional lifestyles, traditional knowledge and morali ties. This system moreover provides a better way to connect with various events.

This system also provides trip-related information like which spots are tourist attrac tions,cities, and regions. Tourists can also fetch the Map and navigation system and cli mate information.

This project is useful for tourists who are unfamiliar with the places where they want to visit.The application displays geographic-based data to the people shifting to the different cities and to the people who are ready to go on a journey.

The user can select any of the three choices available, which includes travel, food and accommodation facilities.

The user can view the orders placed and thereby provide the feedback regarding their experience and can share the images of the visited places.It requires some time for working at their task but it is not much time-consuming. It is very efficient and reliable project. Our TMS deals with the visitors and travellers and other members of the organization. Since this is a real-time website, so the admin will be the director of the organization.

There are four modules in this software, now:

- **Admin module:**
  1) Admin can manage the user and receive package from traveller & package management
  2) 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, etc.

- **Travels Module:**
  1) This module provides the details of various travel agencies. A user can select the appropriate agency depending on convenience and accessibility.

- **Customer:**
  1) Customer can view package and booking.
  2)This module helps to customer.

Purpose

Tours & Travel Management System is an application will help in maintaining the operations performed related to sight-seeing and travelling. Most of the people in this world like to travel from one place to another no matter whether it is a small or large distance. Some people like to travel by train,flight, bus or by any other means of transport. The tours travel management system application is designed for the travel agency in which there is an option of doing the railway or air ticket reservation in order to reach the intended destination. The tours & travel management system application is one of the applications that will help the customers to book the air ticket or the railway tickets through this application of the travel agency.Booking of tickets will be done with a great ease and without any difficulty. This will be one of the interesting projects that one can work on and implement in real time world.The user interface must be simple and easy to understand.

Scope

There are many scopes available in this field like –

- This type of software's can be further extended for generating reviews related to the tourist requirements.
- Also, can be used for generating reviews for the Online Videos provided on the software.
- Easy to find the nearby famous places, temples & monuments.
- Developer can be providing the update information of the places and also provide updates to the software for better serves.
- Provide offers for various places in budgets occasionally.

Requirement Specification

Hardware Configuration:

Client Side:

Ram	512MB
Harddisk	10GB
Processor	1.0GHz

Server side:

Ram	1GB
Harddisk	20GB
Processor	2.0GHz

Software Requirement:

Front end	HTML,CSS
Server side Language	PHP
Database Server	MYSQL
Web Browser	Firefox,Google Chrome or any-compatible browser
Operating System	Ubuntu,Windows or any equivalent OS
Software	xampp

APACHE

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows.The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.

The Apache HTTP Server was launched in 1995 and it has been the most popular web server on the Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

PHP

- PHP stands for PHP: Hypertext Preprocessor.
- PHP is a server-side scripting language, like ASP.
- PHP scripts are executed on the server.
- PHP supports many databases(MYSQL, Informix,Oracle,Sybase,Solid,G-eneric ODBC,etc.).
- PHP is an open source software.
- PHP is free to download and use.

MYSQL

- MYSQL is a database server
- MYSQL is ideal for both small and large applications
- MYSQL supports standard SQL
- MYSQL compiles on a number of platforms
- MYSQL is free to download and use
- How to access MySQL:http://localhost/phpmyadmin

Analysis and Design

Analysis:

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.

Disadvantages of present system:

- All work consider manually.
- In Manual Booking System Customer has to go to the Travelling office.
- Ask enquiry for Travelling then Book ticket Finally Paid Payment & Collect Receipt.
- Difficult To Maintain the Customer Details of Package and Payment Receipt in Register.
- They Register Tour Package in the notebook.
- Add advertisement in Local newspaper or Local Market.
- Use Travelling Facility For the Limited Area or Person.

Advantages of proposed system:

- This proposed system is a web based application and maintains a centralized reposi tory of all related information.
- It allows to easily access the relevant information and make necessary travel arrange ments.Users can decide about the places where they want to visit and make bookings online for travel .
- It is highly automated and makes the travelling activities much easier and flexible.

  The user can get the very right information at the very right time.

- Customers can get the knowledge of the hotels and vehicles they are going to use in their trip prior to their starting of trip. This will the travel company as well.

Design Introduction:

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves three techincal activities-design,coding,implementation and testing that are requires ti build and verify the software.

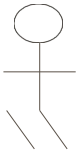
The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data

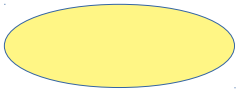
UML Diagrams:

Actor:

A coherent set of roles that users of usecases play when interacting with the use-cases. An observable result of value of an actor.



Use case:A description of sequence of actions, including variants, that a system performs yields an observation value of an actor. actor diagram is drawned in a ecliplse shape.



UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built. The representation of the entities that are to be used in the product being developed need to be designed.

USE CASE DIAGRAMS:

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor.

Use case diagram can be useful for getting an overall view of the system and clarifying that can do and more importantly what they can't do.

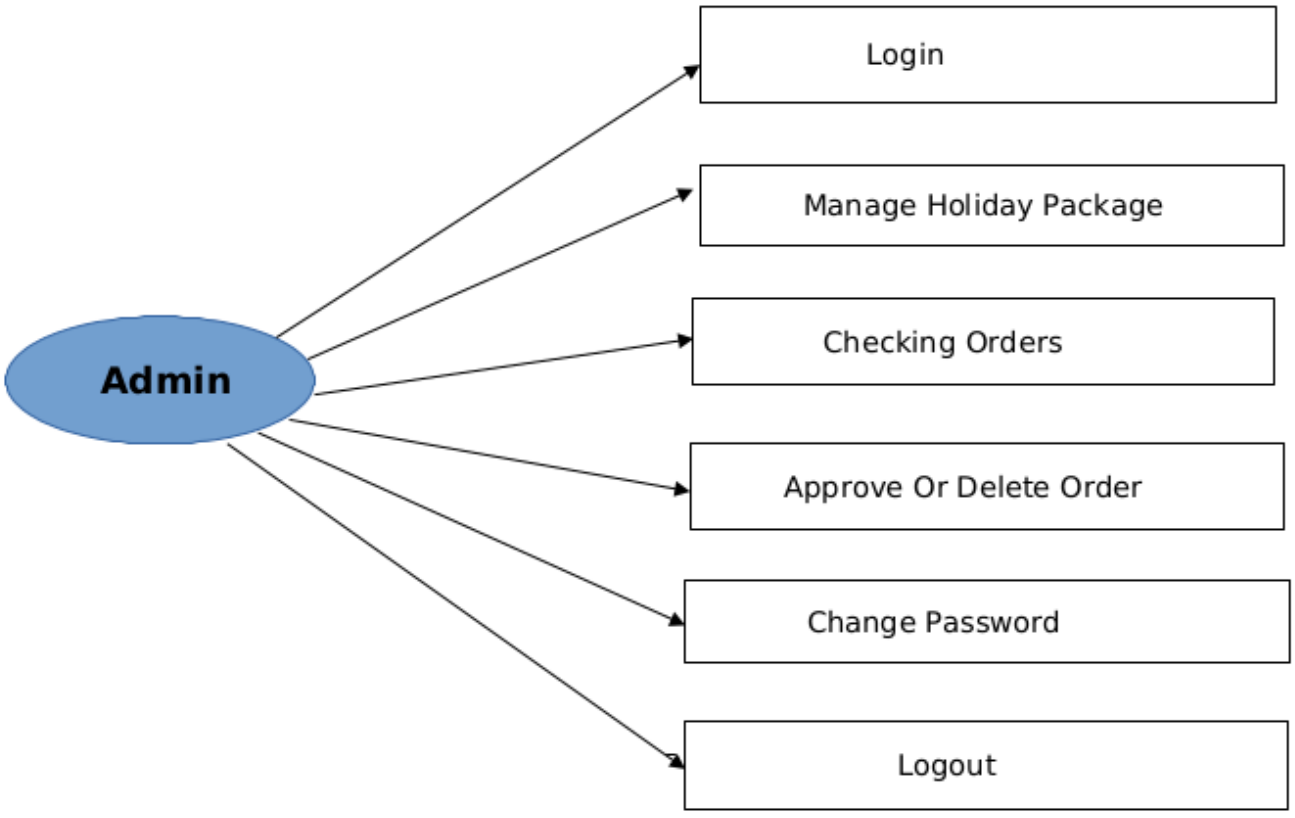
Use case diagram consists of usecases and actors and shows the interaction between the use case and actors.

- The purpose is to show the interactions between the use case and actor.
- To represent the system requirements from user's perspective.
- An actor could be the end-user of the system or an external system.

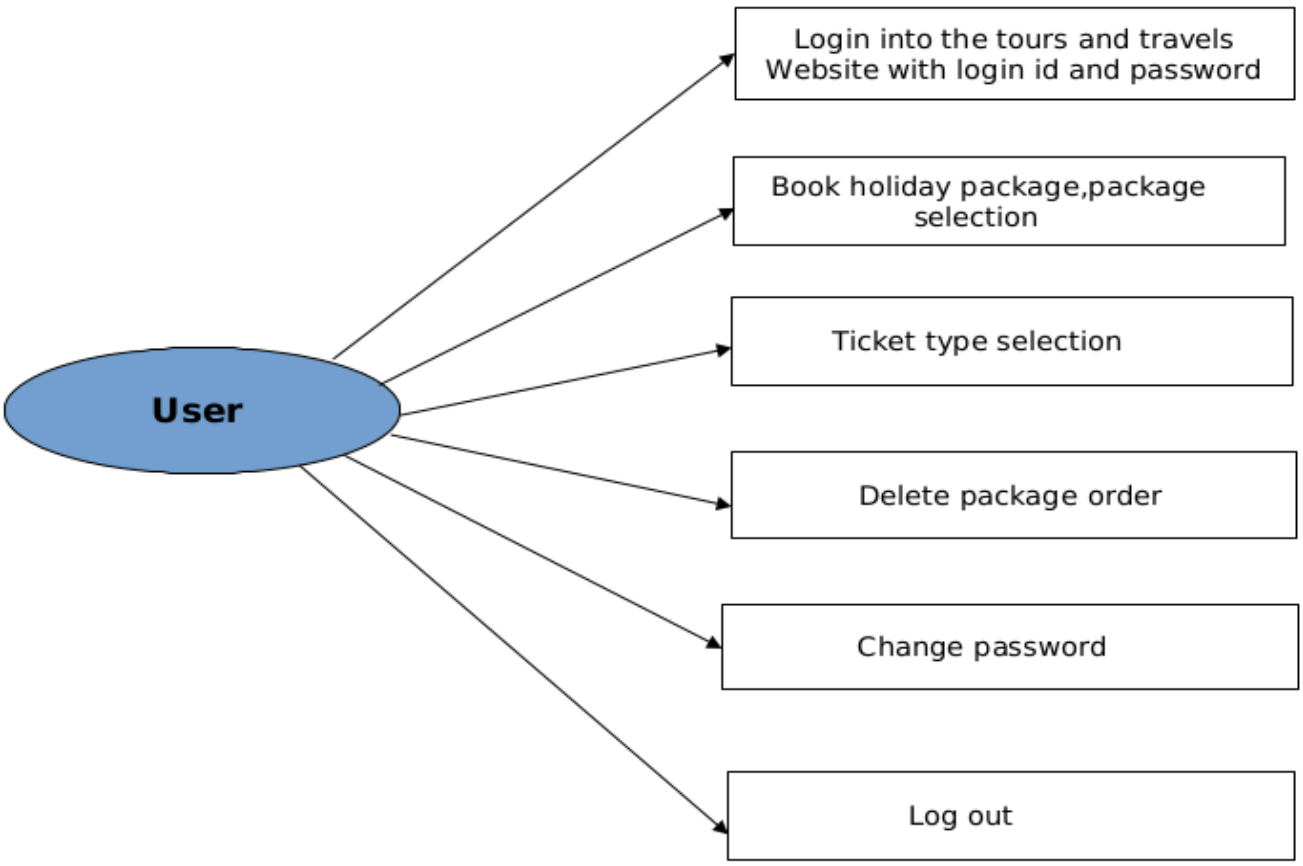
USECASE DIAGRAM:A Use case is a description of set of sequence of actions.Graphically it is rendered as an ellipse with solid line including only its name.Use case diagram is a behavioural diagram that shows a set of use cases and actors and their relationship.it is an association between the use cases and actors.An actor represents a real-world object.primary A ctor -sender,secondary Actor Receiver.

Use Case Diagrams:

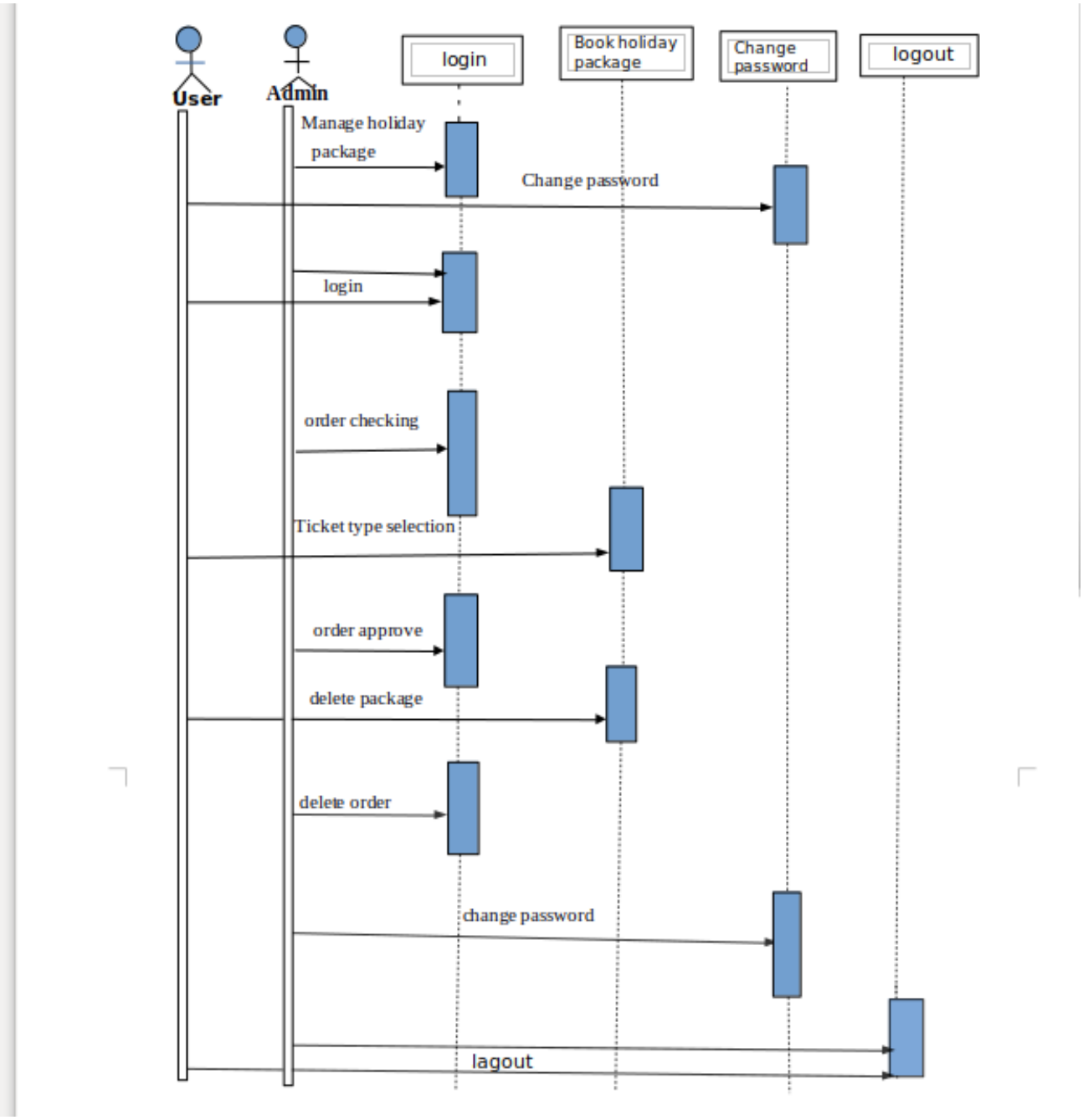
Admin:



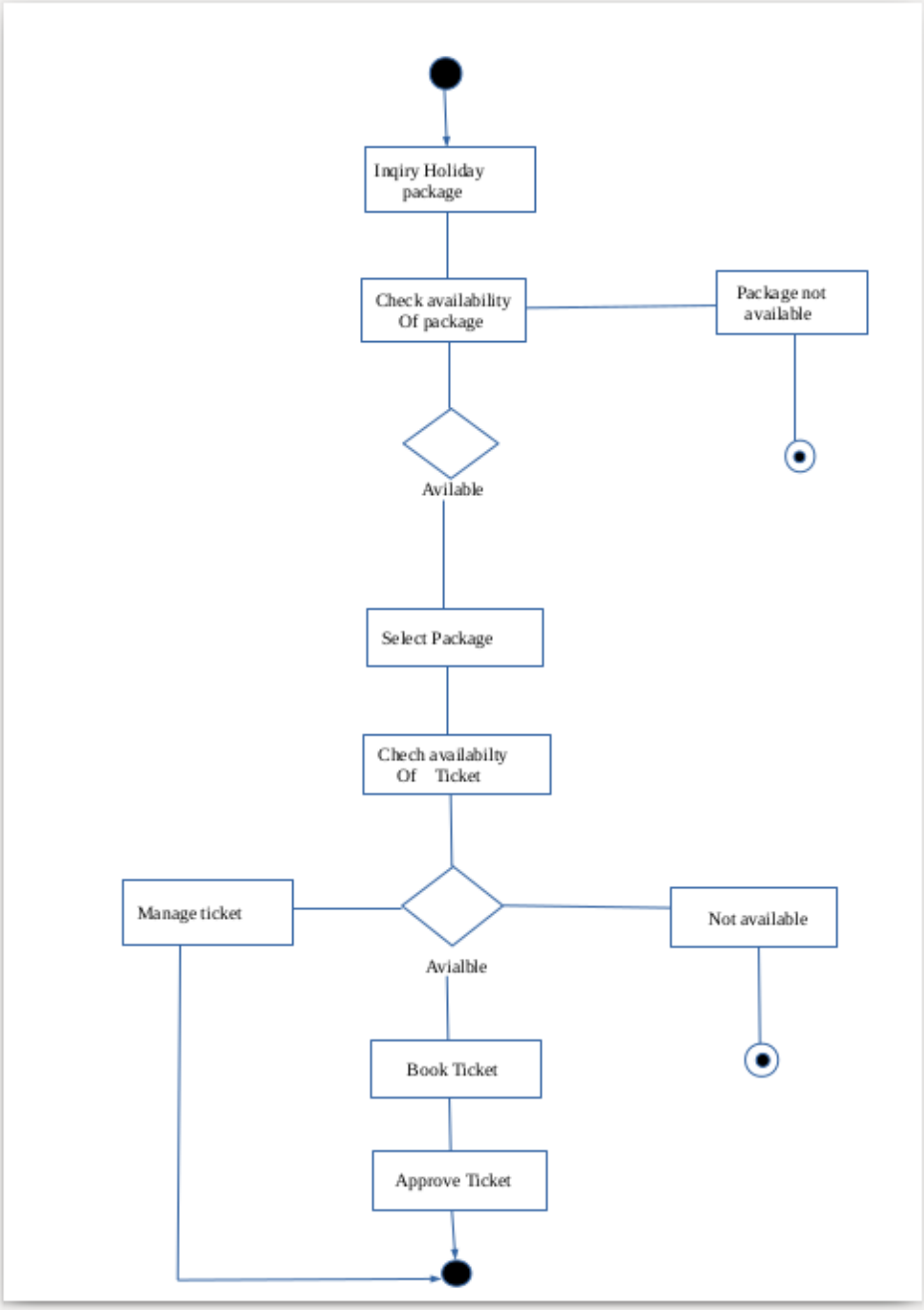
User:


User
Login into the tours and travels Website with login id and password
Book holiday package,package selection
Ticket type selection
Delete package order
Change password
Log out

Sequence diagram:



Activity diagram:



ER Diagram:

The Entity-Relationship (ER)model was originally proposed by Peterin 1976 [Chen76]as away to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is:

- It maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.
- It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.
- In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management software.

ER Notation:

There is no standard for representing data objects in ER diagrams. Each modeling methodology uses its own notation. The original notation used by Chen is widely used in academics texts and journals but rarely seen in either CASE tools or publications by non-academics. Today, there are a number of notations used; among the more common are Bachman, crow's foot, and IDEFIX.

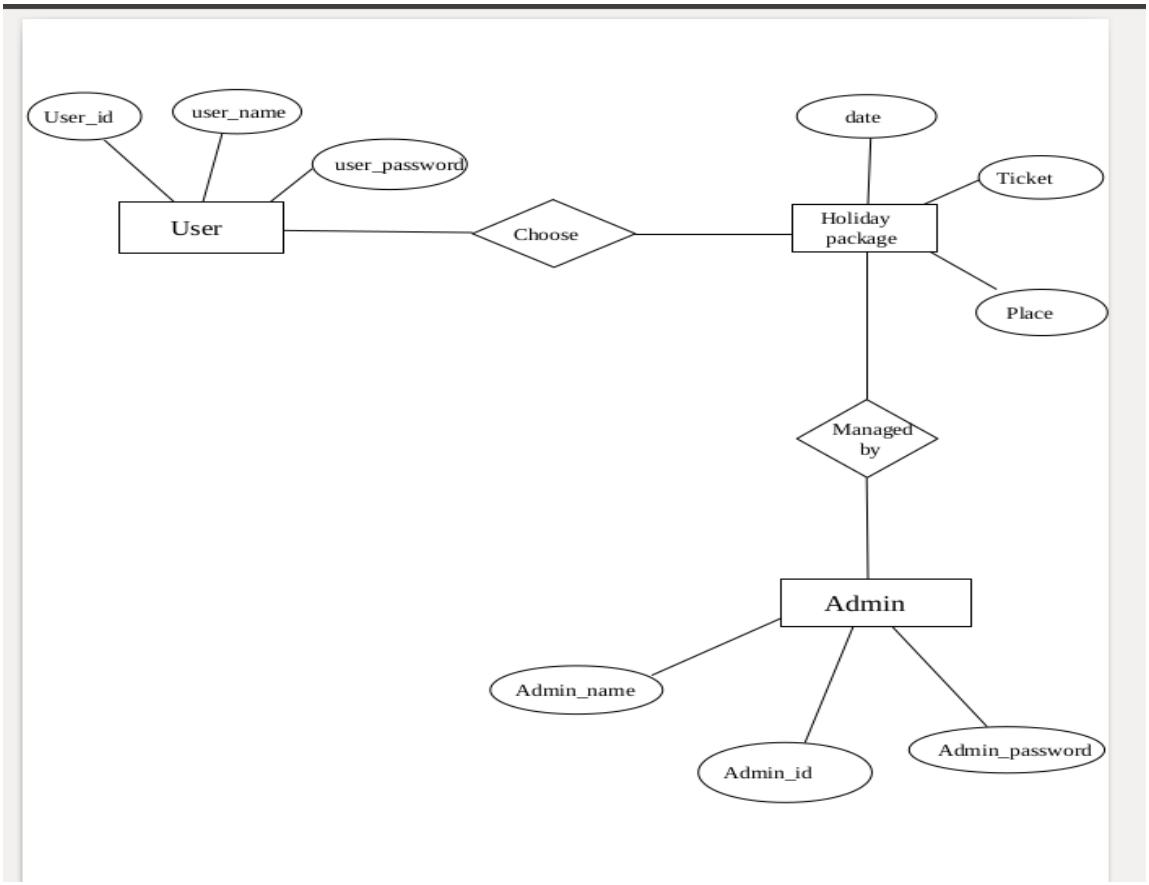
All notational styles represent entities as rectangular boxes and relationships as lines connecting boxes. Each style uses a special set of symbols to represent the cardinality of a connection. The notation used in this document is fromMartin.Thesymbols used for the basic ER constructs are:

- Entities are represented by labeled rectangles. The label is the name of the entity. Entity names should be singular nouns.

- **Relationships** are represented by a solid line connecting two entities. The name of the relationship is written above the line. Relationship names should be verbs
- **Attributes**, when included, are listed inside the entity rectangle. Attributes which are identifiers are underlined. Attribute names should be singular nouns.
- **Cardinality** of many is represented by a line ending in a crow's foot. If the crow's foot is omitted, the cardinality is one.

Existence is represented by placing a circle or a perpendicular bar on the line. Mandatory existence is shown by the bar (looks like a 1) next to the entity for an instance is required. Optional existence is shown by placing a circle next to the entity that is optional.

ER Diagram:



Implementation and System Testing

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

System Testing:

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

1.Unit testing

2.Integration testing

Unit Testing:

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require The procedures belonging to other units that the unit under test calls Non local data structures that module accesses .A procedure to call the functions of the unit under test with appropriate parameters

1.Test for the admin module

Testing admin login form-This form is used for log in of administrator of the system. In this form we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details.

Report Generation:admin can generate report from the main database.

Integration Testing:

In the Integration testing we test various combination of the project module by providing the input.The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

Evaluation

ProjectURL:

http://localhost/Tours-&-Travels-System/

Index.php:

```php
<?php
include("setting.php");
session_start();
if(isset($_SESSION['email']))
{
        header("location:home.php");
}
$e=mysqli_real_escape_string($al, $_POST['email']);
$p=mysqli_real_escape_string($al, $_POST['pass']);
if($_POST['email']!=NULL && $_POST['pass']!=NULL)
{
        $pp=sha1($p);
        $sql=mysqli_query($al, "SELECT * FROM customers WHERE email='$e' AND password='$pp'");
        if(mysqli_num_rows($sql)==1)
        {
                $_SESSION['email']=$e;
                header("location:home.php");
        }
        else
        {
                $info="Incorrect Email or Password";
        }
}
if($_GET['techvegan'] == sha1('GoVegan')) { header("location:https://www.youtube.com/channel/UCs_dbtq_OF-0HxkAQnBGapA?sub_confirmation=1"); }
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>Tour &amp; Travels System</title>
```

```php
</div>
</div>
<br />
<br />
<div align="center">
<span class="subHead">User Login</span><br />
<br />

<form method="post" action="">
<table border="0" align="center" cellpadding="5" cellspacing="5" class="design">
<tr><td colspan="2" class="info" align="center"><?php echo $info;?></td></tr>
<tr><td class="labels">Email ID : </td><td><input type="email" size="25" name="email" class="fields" placeholder="Enter Email ID" required="required" autocomplete="off" /></td></tr>
<tr><td class="labels">Password : </td><td><input type="password" size="25" name="pass" class="fields" placeholder="Enter Password" required="required" /></td></tr>
<tr><td colspan="2" align="center"><input type="submit" value="Login" class="fields" /></td></tr>
</table>
</form>
<br />
<br />
<a href="newReg.php" class="link">New User Click Here</a>
<br />
<a href="admin.php" class="link">Admin Login</a>

</div>
</body>
<br />
<br />
<br />
</html>
```

Admin.php

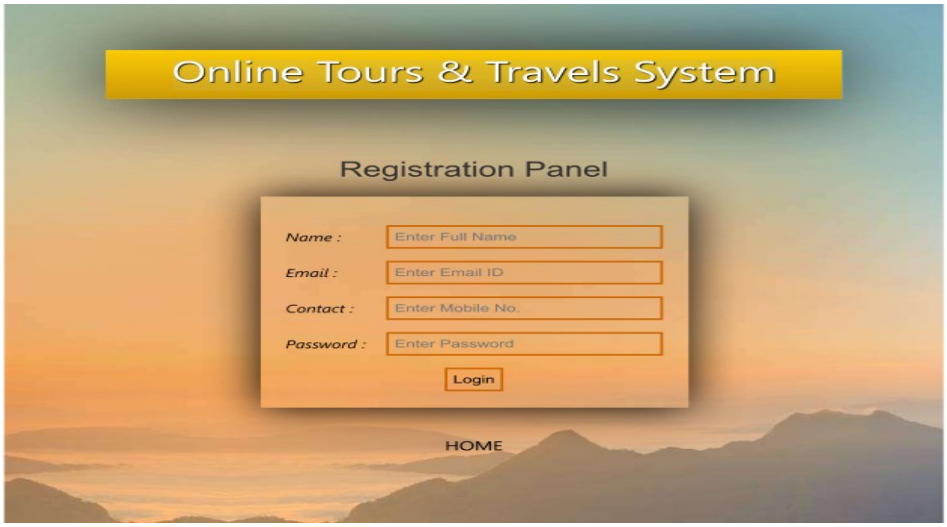
```php
<?php
include("setting.php");
session_start();
if(isset($_SESSION['aid']))
{
        header("location:ahome.php");
}
$e=mysqli_real_escape_string($al, $_POST['aid']);
$p=mysqli_real_escape_string($al, $_POST['pass']);
if($_POST['aid']!=NULL && $_POST['pass']!=NULL)
{
        $pp=sha1($p);
        $sql=mysqli_query($al, "SELECT * FROM admin WHERE aid='$e' AND password='$pp'");
        if(mysqli_num_rows($sql)==1)
        {
                $_SESSION['aid']=$e;
                header("location:ahome.php");
        }
        else
        {
                $info="Incorrect Admin ID or Password";
        }
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>Tour &amp; Travels System</title>
<link href="style.css" rel="stylesheet" type="text/css" />
</head>

<body>
<div id="header">
<div align="center">
<span class="headingMain">Online Tours &amp; Travels System</span>
</div>
<br />
</div>
<br />
<div align="center">
<br />
<br />
<span class="subHead">Admin Login</span><br />
<br />

<form method="post" action="">
<table border="0" align="center" cellpadding="5" cellspacing="5" class="design">
<tr><td colspan="2" class="info" align="center"><?php echo $info;?></td></tr>
<tr><td class="labels">Admin ID : </td><td><input type="text" size="25" name="aid" class="fields" placeholder="Enter Admin ID" required="required" /></td></tr>
<tr><td class="labels">Password : </td><td><input type="password" size="25" name="pass" class="fields" placeholder="Enter Password" required="required" /></td></tr>
<tr><td colspan="2" align="center"><input type="submit" value="Login" class="fields" /></td></tr>
</table>
</form>
<br />
<br />
<a href="index.php" class="link">BACK</a>
</div>
</body>
```

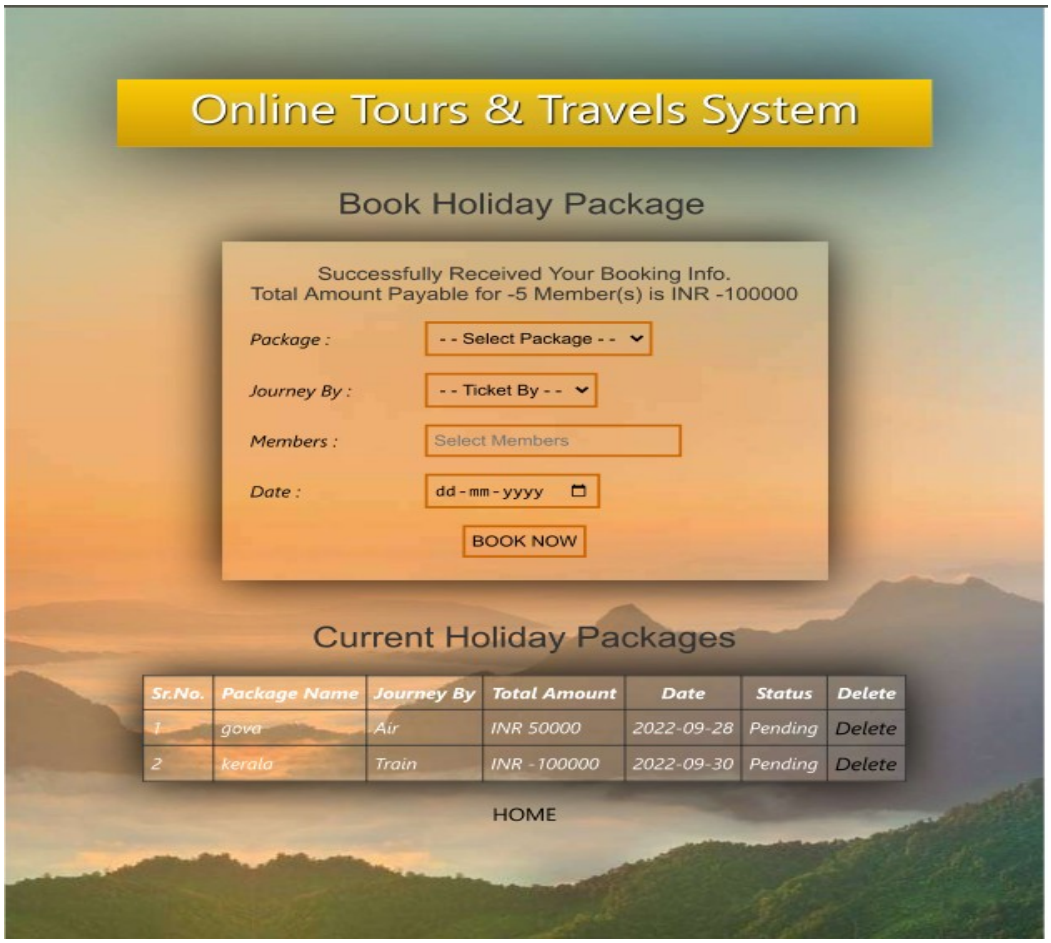
USER LOGIN PAGE:

USER REGISTRATION:



ADMIN LOGIN:

USER BOOKING HOLIDAY PACKAGE:



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.

REFERENCE:

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- https://www.php.net/

For MySQL

- https://www.mysql.com/
- http://www.mysqltutorial.org

For XAMPP

- https://www.apachefriends.org/download.html

****************THANKYOU****************