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BELAGAVI - 590018**



**A MINI-PROJECT REPORT ON
“TRAVEL AGENCY MANGEMENT SYSTEM”**

Submitted in partial fulfillment of the requirements of the award of degree of

**BACHELOR OF ENGINEERING IN
COMPUTER SCIENCE & ENGINEERING**

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CERTIFICATE

This is to certify that the mini-project report entitled “**TRAVEL AGENCY MANAGEMENT SYSTEM**” is a bona fide work carried out by **PARJANYA H K (4VV19CS105), PRATHEEK N (4VV19CS111)** students of 5th semester Computer Science and Engineering, **Vidyavardhaka College of Engineering, Mysuru** in partial fulfillment for the award of the degree of **Bachelor of Engineering in Computer Science & Engineering** of the **Visvesvaraya Technological University, Belagavi**, during the academic year **2021-2022**. It is certified that all the suggestions and corrections indicated for the internal assessment have been incorporated in the report deposited in the department library. The report has been approved as it satisfies the requirements in respect of mini-project work prescribed for the said degree.

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Name of the Examiners

1)

2)

Signature with Date

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In the end, we are anxious to offer our sincere thanks to our family members and friends for their valuable suggestions and encouragement.

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ABSTRACT

Travel Agency Management System is an application made for the travel agencies to handle tour packages, package bookings, issues and other enquiries on a package.

Everybody plans for a perfect vacation and by this system it is possible for the agencies to plan a perfect trip to the customers.

The main purpose is to help tourism companies to manage its customers and trips.

This motivated us to develop an application to ease the administrative activities for travel agencies.

There is a home page which contains features like admin login, new user login/sign up, home, about, tour packages, privacy policy, terms of use and enquiries.

There is a dashboard in the admin page, which contains the overview of total number of users, bookings, enquiries, packages and issues raised.

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CHAPTER 1

INTRODUCTION

1.1 OVERVIEW

Travel Agency Management System is a web application which provides various controls to admins and customers. The various features include, package creation, booking, modification, viewing, buying, enquiries, raising issue tickets.

1.2 OBJECTIVE

This software can be used in by any travel agency to store their customer details, package details, and the details of the trips booked by the customers.

The main advantage of this application is that it provides a user interface for the administrator. For managing the travel agency and reduces the time of recording the data.

This is an efficient way of storing the data in database. It is also used to override the problems prevailing in the manual system.

1.3 PROPOSED SYSTEM

The administrator will be able to add, remove and edit the details of tour packages.

The customer will be able to view the packages and buy them if they wish to.

The customer can also report a package if there are any issues.

Enquiries are also received from the customers.

The issues raised will be in the form of tickets and the admin can view and respond accordingly.

1.4 APPLICATION

This web application provides a user interface for admins and customers to handle and manage data much more efficiently.

It also keeps a record of customers, trips, enquiries and issues.

CHAPTER 2

HARDWARE AND SOFTWARE REQUIREMENTS

2.1 HARDWARE REQUIREMENTS

Processor: 1.8Ghz frequency or above

RAM: A minimum of 1 GB of RAM

Hard Disk: Minimum of 20 GB of available space

2.2 SOFTWARE REQUIREMENTS

Operating System: Windows XP or higher

Language: CSS, php, JavaScript

IDE: XAMPP

Back End: MySQL/MariaDB

2.2.1 INTRODUCTION TO LANGUAGE

CSS

Cascading Style Sheets (CSS) is a stylesheet language used to describe the presentation of a document written in HTML or XML.

Cascading Style Sheets, fondly referred to as CSS, is a simply designed language intended to simplify the process of making webpages presentable. CSS allows you to apply styles to webpages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document.

JavaScript

JavaScript is a lightweight, cross-platform, and interpreted scripting language. It is well-known for the development of web pages; many non-browser environments also use it. JavaScript can be used for Client-side developments as well as Server-side developments. JavaScript contains a standard library of objects, like Array, Date, and Math, and a core set of language elements like operators, control structures, and statements.

2.2.2 INTRODUCTION TO IDE

XAMPP

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible.

XAMPP's ease of deployment means a WAMP or LAMP stack can be installed quickly and simply on an operating system by a developer, with the advantage that common add-in applications such as WordPress and Joomla! can also be installed with similar ease using Bitnami.

2.2.3 INTRODUCTION TO BACKEND

MySQL

MySQL is an Oracle-backed open-source relational database management system based on Structured Query Language. MySQL runs on virtually all platforms, including LINUX, UNIX and Windows. Although it can be used in a wide range of applications, MySQL is most often associated with web applications and online publishing.

PHP

PHP: Hypertext Preprocessor (or simply PHP) is a general-purpose programming language originally designed for web development. PHP is a server-side scripting language designed specifically for web development. PHP can be easily embedded in HTML files and HTML codes can also be written in a PHP file. The thing that differentiates PHP with client-side language like HTML is, PHP codes are executed on the server whereas HTML codes are directly rendered on the browser.

CHAPTER 3

DESIGN AND IMPLEMENTATION

3.1 SYSTEM DESIGN

3.1.1 ER DIAGRAM

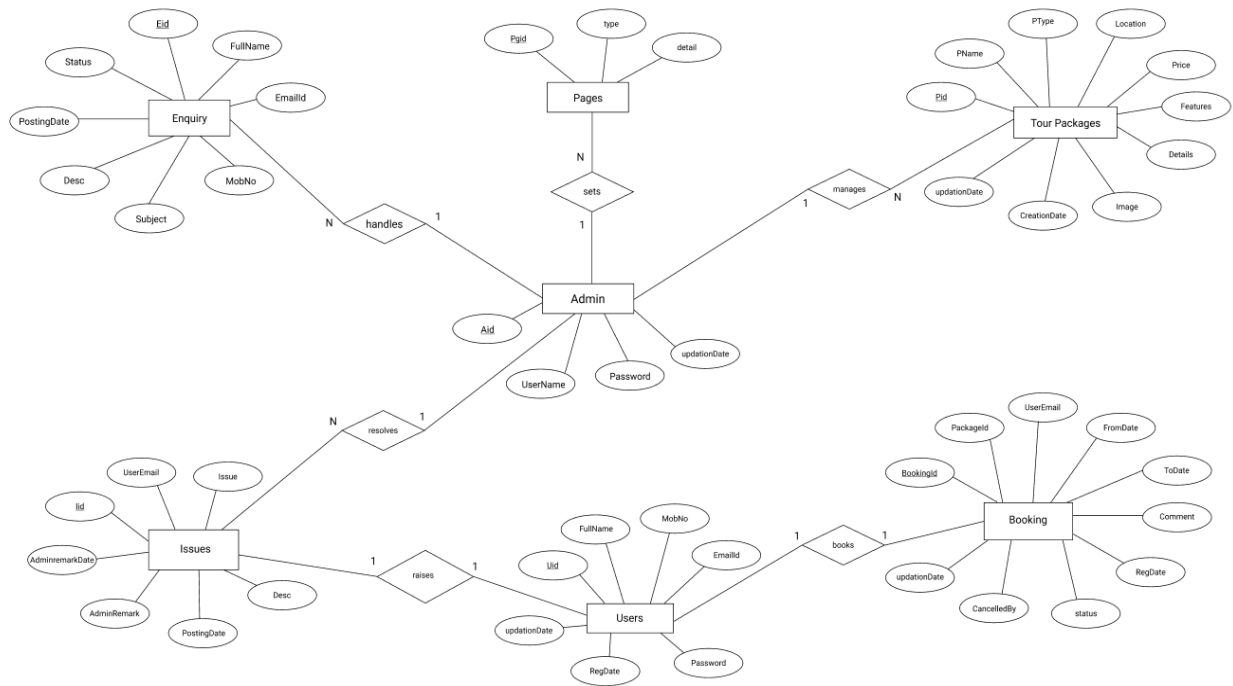


FIGURE 3.1.1 ER DIAGRAM

An ER diagram shows the relationships among the entity sets. The Admin table has 1:N cardinality ratio for the relationship (manages) to the Tour Packages table. The Admin table has 1:N cardinality ratio for the relationship (sets) to the Pages table. The Admin table has 1:N cardinality ratio for the relationship (handles) to the Enquiry table. The Admin table has 1:N cardinality ratio for the relationship (resolves) to the Issues table. The Users table has 1:1 cardinality ratio for the relationship (raises) to the Issues table. The Users table has 1:1 cardinality ratio for the relationship (books) to the Booking table.

3.1.2 SCHEMA DIAGRAM

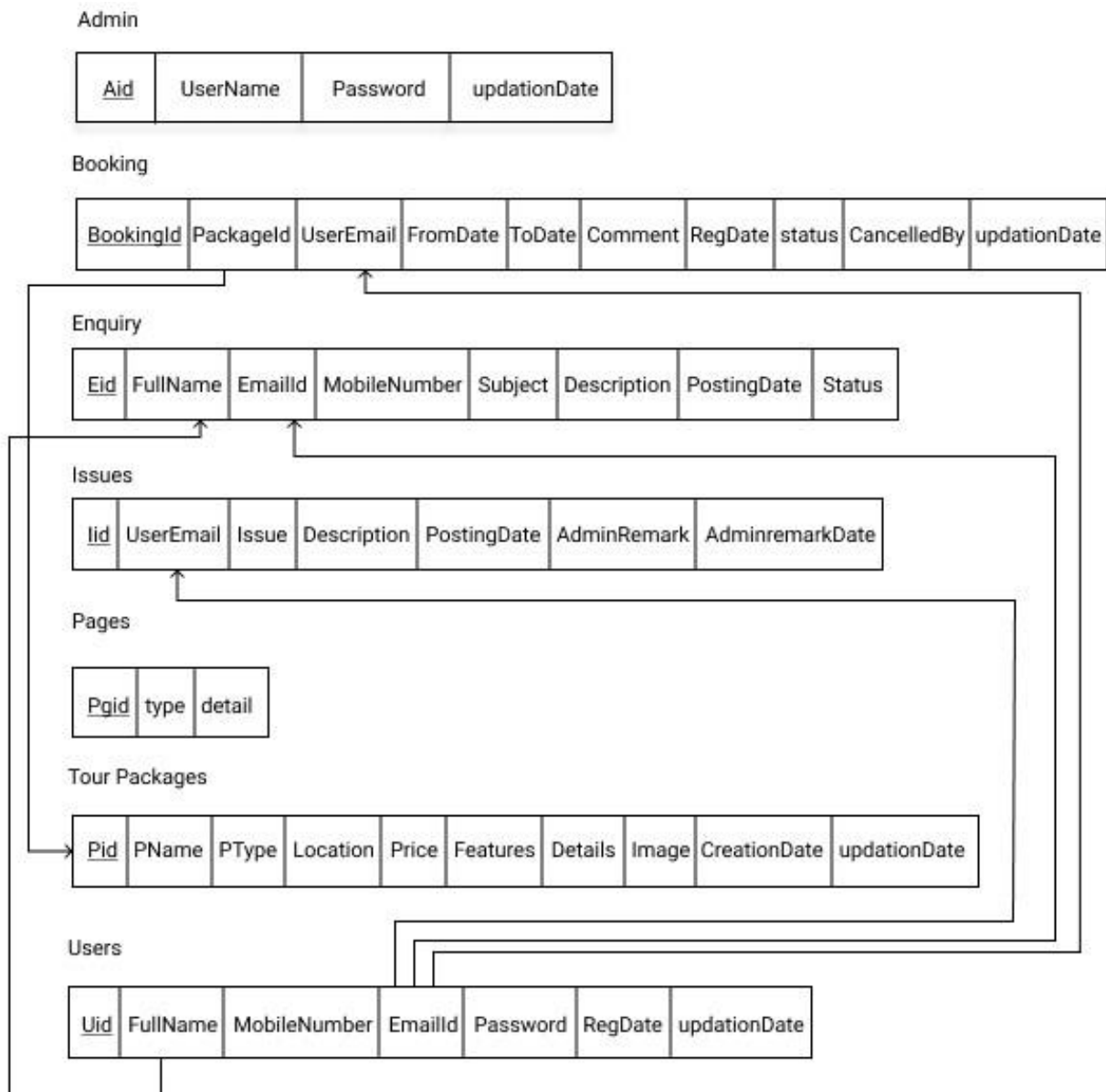


FIGURE 3.1.2 SCHEMA DIAGRAM

The Schema diagram is a diagram which contains entities and attributes that will define that schema. The entities are Admin, Booking, Enquiry, Issues, Pages, Tour Packages and Users.

3.2 PSUEDO CODE

```
<?php
session_start();
include('includes/config.php');
if(isset($_POST['login']))
{
$username=$_POST['username'];
$password=md5($_POST['password']);
$sql ="SELECT UserName,Password FROM admin WHERE UserName=:uname and
Password=:password";
$query= $dbh -> prepare($sql);
$query-> bindParam(':uname', $uname, PDO::PARAM_STR);
$query-> bindParam(':password', $password, PDO::PARAM_STR);
$query-> execute();
$results=$query->fetchAll(PDO::FETCH_OBJ);
if($query->rowCount() > 0)
{
$_SESSION['alogin']=$_POST['username'];
echo "<script type='text/javascript'> document.location = 'dashboard.php'; </script>";
} else{
        echo "<script>alert('Invalid Details');</script>";
    }
}
?>

<!DOCTYPE HTML>
<html>
<head>
<title>TAMS | Admin Sign in</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){ window.scrollTo(0,1); }
</script>
```

```
<!-- Bootstrap Core CSS -->
<link href="css/bootstrap.min.css" rel='stylesheet' type='text/css' />
<!-- Custom CSS -->
<link href="css/style.css" rel='stylesheet' type='text/css' />
<link rel="stylesheet" href="css/morris.css" type="text/css"/>
<!-- Graph CSS -->
<link href="css/font-awesome.css" rel="stylesheet">
<link rel="stylesheet" href="css/jquery-ui.css">
<!-- jQuery -->
<script src="js/jquery-2.1.4.min.js"></script>
<!-- //jQuery -->
<link href='//fonts.googleapis.com/css?family=Roboto:700,500,300,100italic,100,400'
rel='stylesheet' type='text/css'/>
<link href='//fonts.googleapis.com/css?family=Montserrat:400,700' rel='stylesheet'
type='text/css'>
<!-- lined-icons -->
<link rel="stylesheet" href="css/icon-font.min.css" type='text/css' />
<!-- //lined-icons -->
</head>
<body>
    <div class="main-wthree">
        <div class="container">
            <div class="sin-w3-agile">
                <h2>Sign In</h2>
                <form method="post">
                    <div class="username">
                        <span class="username">Username:</span>
                        <input type="text" name="username" class="name"
placeholder="" required="">
                    <div class="clearfix"></div>
                </div>
                <div class="password-agileits">
                    <span class="username">Password:</span>
                    <input type="password" name="password" class="password"
```

```
placeholder="" required="">
        <div class="clearfix"></div>
    </div>
    <div class="login-w3">
        <input type="submit" class="login" name="login"
value="Sign In">
    </div>
    <div class="clearfix"></div>
</form>

    <div class="back">
        <a href="../index.php">Back to home</a>
    </div>

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

```
CREATE TABLE `admin` (
  `id` int(11) NOT NULL,
  `UserName` varchar(100) DEFAULT NULL,
  `Password` varchar(100) DEFAULT NULL,
  `updataionDate` timestamp NULL DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
INSERT INTO `admin` (`id`, `UserName`, `Password`, `updataionDate`) VALUES
(1, 'admin', 'f925916e2754e5e03f75dd58a5733251', '2022-05-13 11:18:49');
```

```
CREATE TABLE `tblbooking` (
  `BookingId` int(11) NOT NULL,
  `PackageId` int(11) DEFAULT NULL,
  `UserEmail` varchar(100) DEFAULT NULL,
```

```

`FromDate` varchar(100) DEFAULT NULL,
`ToDate` varchar(100) DEFAULT NULL,
`Comment` mediumtext DEFAULT NULL,
`RegDate` timestamp NULL DEFAULT current_timestamp(),
`status` int(11) DEFAULT NULL,
`CancelledBy` varchar(5) DEFAULT NULL,
`UpdationDate` timestamp NULL DEFAULT NULL ON UPDATE current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

INSERT INTO `tblbooking` (`BookingId`, `PackageId`, `UserEmail`, `FromDate`, `ToDate`,
`Comment`, `RegDate`, `status`, `CancelledBy`, `UpdationDate`) VALUES
(2, 1, 'test@gmail.com', '05/18/2022', '05/31/2022', '\"Lorem ipsum dolor sit amet, cpariatu
Excepteur sint ', '2022-05-13 19:01:10', 2, 'u', '2022-05-13 21:30:23');

```

```

CREATE TABLE `tblenquiry` (
`id` int(11) NOT NULL,
`FullName` varchar(100) DEFAULT NULL,
`EmailId` varchar(100) DEFAULT NULL,
`MobileNumber` char(10) DEFAULT NULL,
`Subject` varchar(100) DEFAULT NULL,
`Description` mediumtext DEFAULT NULL,
`PostingDate` timestamp NULL DEFAULT current_timestamp(),
`Status` int(1) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

```

```

INSERT INTO `tblenquiry` (`id`, `FullName`, `EmailId`, `MobileNumber`, `Subject`,
`Description`, `PostingDate`, `Status`) VALUES
(4, 'Test', 'test@gm.com', '4747474747', 'Test',
'iidiidiidiidiidiidiidiidiidiidiidiidiidiidiidiidiidiidiidiidiidiidiid', '2017-05-14 07:54:07', 1);

```

CHAPTER 4

RESULTS

4.1 SNAPSHOTS

4.1.1 HOME PAGE

This is the home page of Travel Agency Management System Website

Here, we can find all the features of the website and contains information about enquiries, users and bookings with a footer.

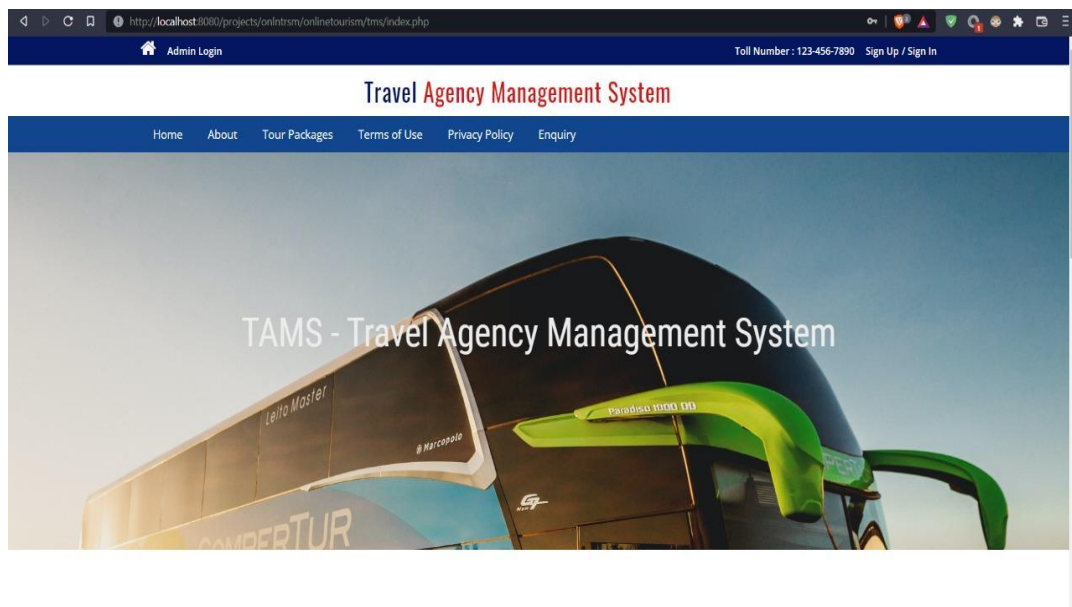


FIGURE 4.1.1 HOME PAGE

4.1.2 PACKAGE LIST

This page contains the list of tour packages provides by the agency
It also has information about the prices of packages

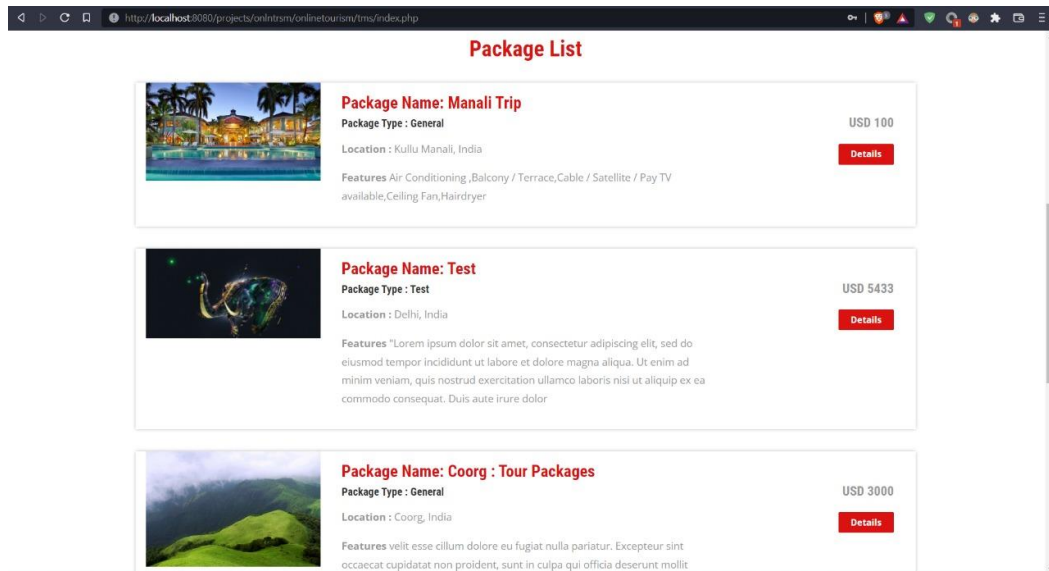


FIGURE 4.1.2 PACKAGE LIST

4.1.3 ADMIN LOGIN

This image shows the admin sign in page
It contains a field for Email-Id and Password for the admin to enter

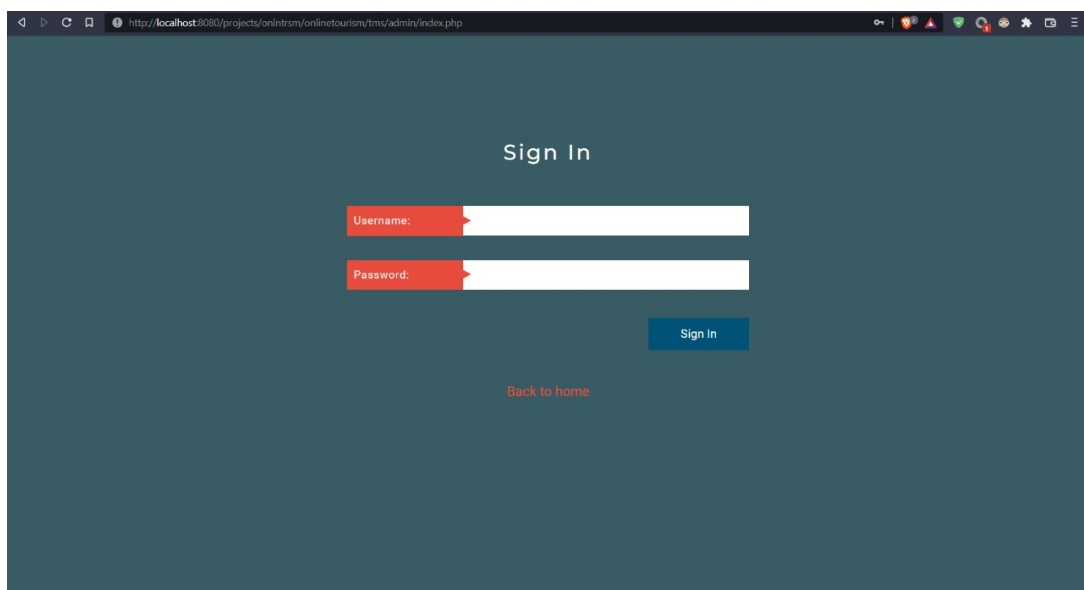


FIGURE 4.1.3 ADMIN LOGIN

4.1.4 ADMIN DASHBOARD

This page contains admin features like manage users, bookings, packages, enquiries and issues of customers

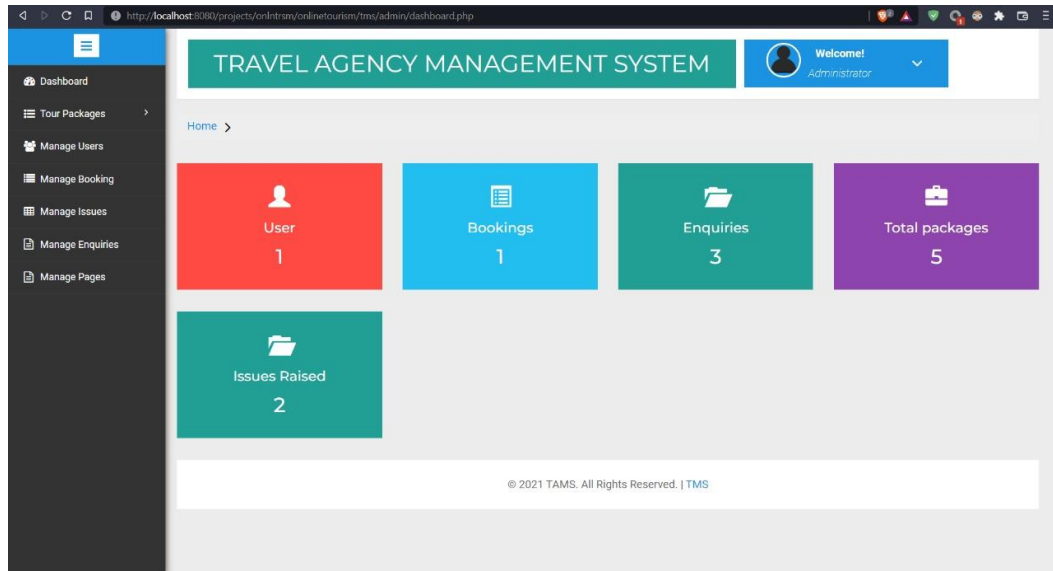


FIGURE 4.1.4 ADMIN DASHBOARD

4.1.5 SIGN IN/ SIGN UP

This is the page which shows the SIGN UP for new users or SIGN IN for existing users. Google and Facebook integration can also be done.

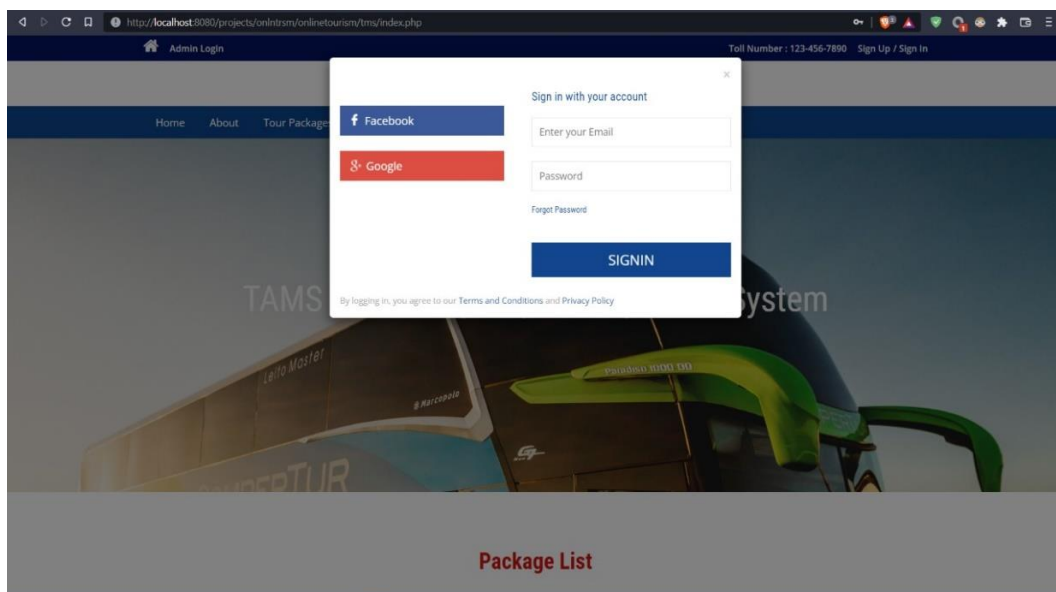


FIGURE 4.1.5 SIGN IN/ SIGN UP

4.1.6 TOUR HISTORY

This page shows the user's tour history booked through TAMS

It also shows the status of the booked trip

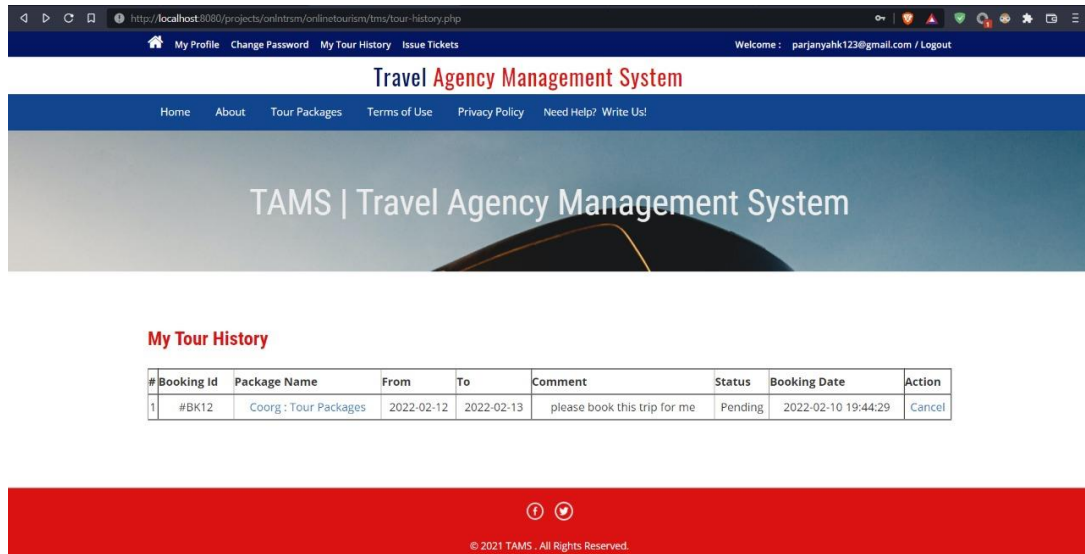


FIGURE 4.1.6 TOUR HISTORY

4.1.7 ISSUES PAGE

This webpage is used to raise an issue regarding the agency or any packages specified in the agency

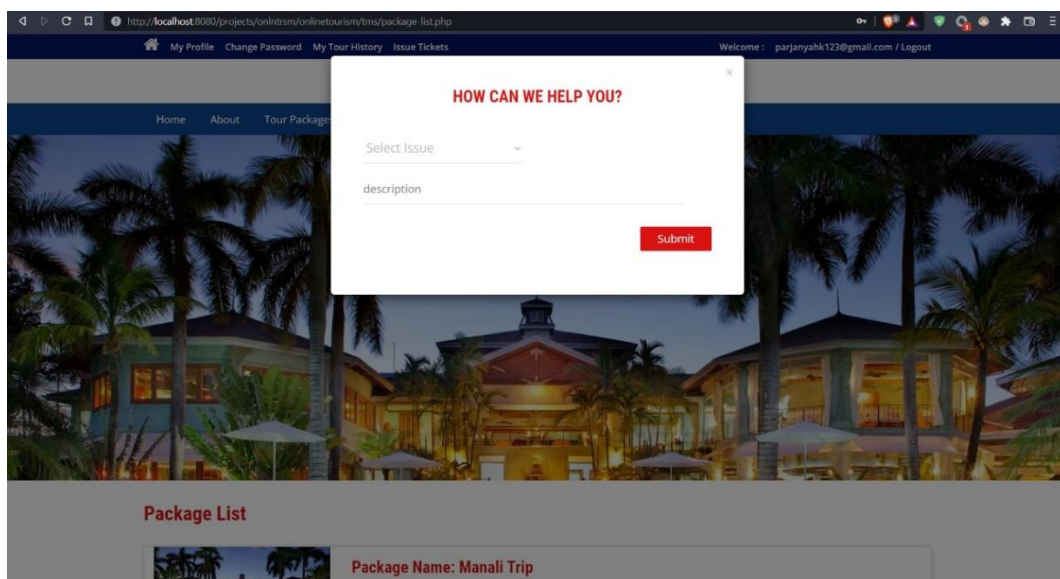
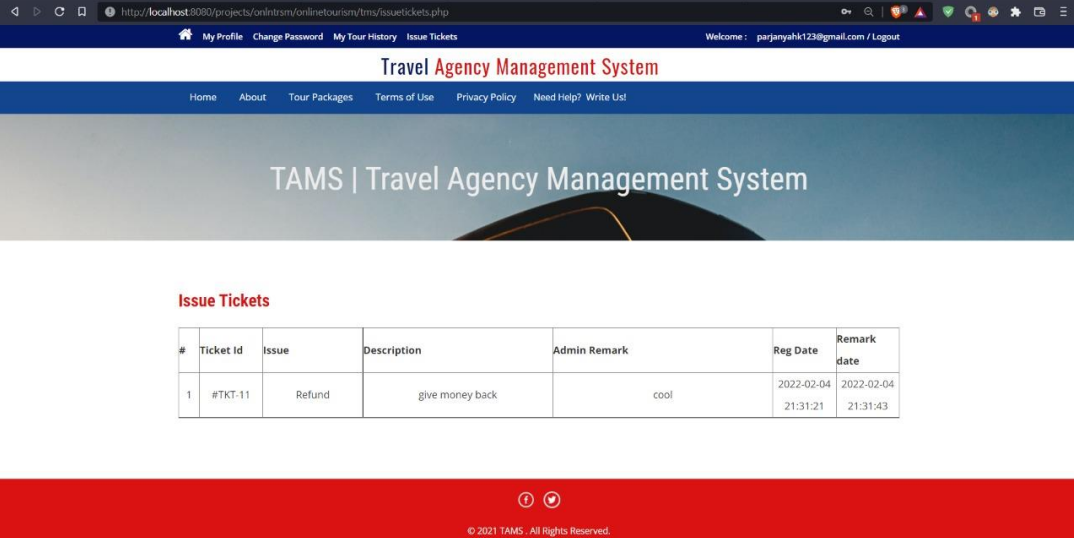


FIGURE 4.1.7 ISSUES PAGE

4.1.8 ISSUE TICKETS LIST

This webpage shows the list of issues raised by the users

Tickets are generated for each issue raised



The screenshot displays the 'Issue Tickets' section of the TAMS web application. The page header includes navigation links like 'Home', 'About', 'Tour Packages', 'Terms of Use', 'Privacy Policy', and 'Need Help? Write Us!'. The main content area features a table with the following data:

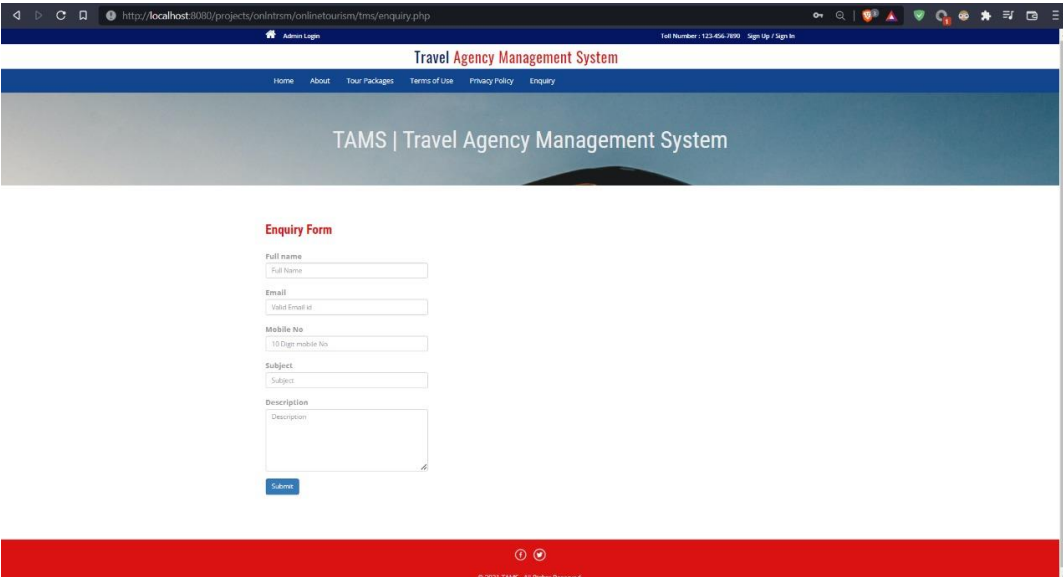
#	Ticket Id	Issue	Description	Admin Remark	Reg Date	Remark date
1	#TKT-11	Refund	give money back	cool	2022-02-04 21:31:21	2022-02-04 21:31:43

The footer of the page contains a red bar with the text '© 2021 TAMS. All Rights Reserved.'

FIGURE 4.1.8 ISSUE TICKETS LIST

4.1.9 ENQUIRY FORM

This webpage is used to enquire about any queries related to the trips



The screenshot shows the 'Enquiry Form' section of the TAMS web application. The form contains the following input fields:

- Full name (text input)
- Email (text input)
- Mobile No (text input)
- Subject (text input)
- Description (text area)

A 'Submit' button is located at the bottom of the form. The footer of the page contains a red bar with the text '© 2021 TAMS. All Rights Reserved.'

FIGURE 4.1.9 ENQUIRY FORM

4.1.10 CREATE/ MANAGE PACKAGES

This webpage is for the admins to create or manage the tour packages provided to the customers

The screenshot shows the 'Create Package' form in the Travel Agency Management System. The form has the following fields:

- Package Name: Create Package
- Package Type: Package Type eg: Family Package / Couple Package
- Package Location: Package Location
- Package Price in USD: Package Price is USD
- Package Features: Package Features Eg: free Pickup-drop facility
- Package Details: Package Details
- Package Image: Choose File | No file chosen

Buttons: CREATE, RESET

FIGURE 4.1.10 CREATE/ MANAGE PACKAGES

4.1.11 CREATE/ MANAGE USERS

This webpage shows the list of users and lets the admin manage them

The screenshot shows the 'Manage Users' page in the Travel Agency Management System. The page displays a table with the following data:

#	NAME	MOBILE NO.	EMAIL ID	REGDATE	UPDATION DATE
1	Parjanya HK	11111	parjanyahk123@gmail.com	2022-02-02 00:52:11	

Footer: © 2021 TAMS. All Rights Reserved. | TMS

FIGURE 4.1.11 CREATE/ MANAGE USERS

4.1.12 MANAGE BOOKINGS

This webpage is for the admins to manage the bookings done by customers

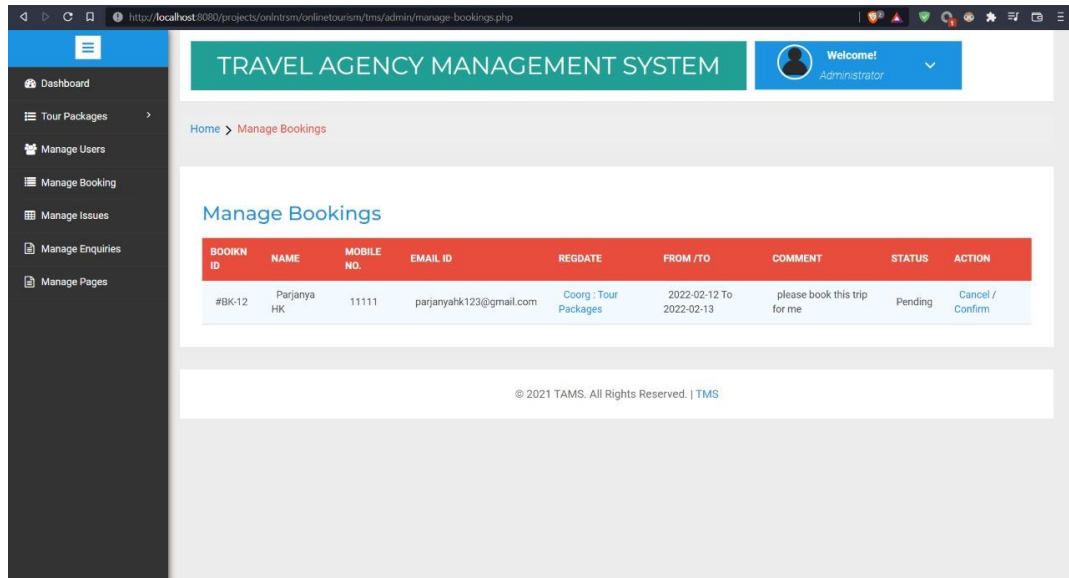


FIGURE 4.1.12 MANAGE BOOKINGS

4.1.13 MANAGE ISSUES

This webpage is for the admins to manage the issues raised by the customers

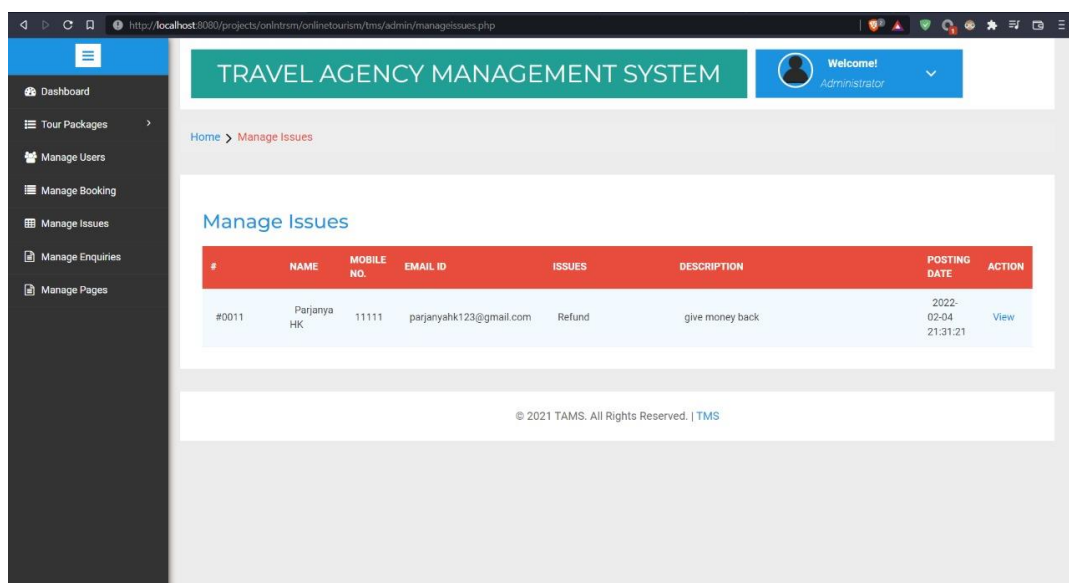


FIGURE 4.1.13 MANAGE ISSUES

CONCLUSION AND FUTURE ENHANCEMENT

CONCLUSION

It has been a matter of immense pleasure, honor and challenge to have this opportunity to take up this project and complete it successfully. Our project maintains the entire database of a Travel agency. The software can be used in any Travel Agency to maintain its booking details, trip details and users' details. While developing this project we have learnt a lot about Travel Agency Management, we have also learnt how to make it user friendly (easy to use and handle) by hiding the complicated parts of it from users. During the development process we studied more about developing a software, how to implement the backend stored database in the real time system. We have tried to implement the project making it as user friendly and error free as possible. In future this project can be improved by recording the day-to-day activities taking place in an Agency.

FUTURE ENHANCEMENT

Any website application has its flaws. This website does not have an in-depth control of the vehicles, drivers, trip distance and the detailed features of a trip in the admin panel.

We wish to update the website and include these features in the future.

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- [5] PHP: https://www.w3schools.com/php/php_syntax.asp
- [6] MYSQL: https://www.w3schools.com/mysql/mysql_sql.asp
- [7] XAMPP: <https://sourceforge.net/projects/xampp>