1.INTRODUCTION

Travel and Tourism Management System is a web-based application. The main purpose of Travel and Tourism management system is to provide a convenient way for a customer to book hotels, flight, train and bus for tour purposes. The objective of this project is to develop a system that automates the processes and activities of a travel agency. In this project. We will make an easier task of searching places and for booking train, flight or bus. 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. We provide approach skills to critically examine how a tourist visits and its ability to operate in an appropriate way when dealing with the consequences of tourism, locally, regionally, and nationally including visitor security and ecological influences. It is tedious for a customer to plan a particular journey and have it executed properly. The project 'Travel and Tourism Management System' is developed to replace the currently existing system, which helps in keeping records of the customer details.

1.1EXISTITING SYSTEM

In the existing system, each task is carried out manually and processing is also a tedious job. In previous system travelers were maintaining time table details manually in pen and paper, which was time taking and costly. The travelers are able to achieve its need in time and also the results may not accurate. Because of the manual maintenance there are number of difficulties and drawbacks exist in the system.

Drawbacks of the Existing System:

- Increased transaction leads to increased source document and hence maintenance becomes difficult.
- If any admin, user enter wrongly made then the maintenance becomes very difficult.

1.2 PROPOSED SYSTEM

The proposed system is designed to be more efficient than the manual system. It invokes all base tasks that are now carried out manually, such as the forms transactions and reports which is added advantage. The proposed System is completely computer-based application. Thousands of records can search and displayed without taking any significant time

Advantages of the Proposed System:

- Gives accurate information
- Simplifies the manual work
- It minimizes the documentation related work
- Provides up to date information
- Friendly Environment by providing warning messages.
- Traveler's details can be provided ·
- Booking confirmation notification

2. PROCEDURE

2.1Modules of travel and tourism management system

2.1(a) User Management

a) Login

b) User Profile

c) Update Information

d) Role Based Rights

2.1(b) Administrator module:

In This module user provides administrator related functionality. This module use can add route information, bus information, train information, flight information, tour packages, travel packages, bus seat details, etc. From this module Admin can view daily, weekly and monthly report. This module is developed for admin of the website and admin can add, delete, edit and view the data related to places, travels, routes, bookings from this module

a) Manage User Information

b) Update Information

c) Manage Trips

d) Manage Transportation

e) Manage Hotel, Bookings

f) Hotel details

Details of the hotels in which the accommodation of the customer will be done during the tours. Details like availability of meals, station-pickup, drop facility and contact no. of the hotels are also provide to the customers on special request

a) Registration (as user)

b) Registration (as hotel)

c) Search

2.1(c)Transportation Module

a) Flight

b) Train

c) Bus

2.1(d)Package Module:

User can view different tour packages available for tourist. User can select any packages from this module he can also check the details of various travel agencies. A user can select any travel agency from this module.

2.1(e)Testimonial's module :

In this testimonial module passenger can post feedback after the journey and they can share their experience. Users of this application can post their opinions,complaints and suggestions.

a) Photos

b) Videos

2.1(f) Payment Modules :

Payment through Paypal, Deamnd Draft etc;

2.1(g) Search Module:

Search City wise hotels, Flights, Packages, Bus and Railways.

2.1(h) Routes Modules:

This will display the route information of Source location and destination location. User can also check best routes for his destination. User can check the best route train tour and car route for his journey and can select any route packages from the available tour packages. From this module user can also get information related to various routes connecting sources and destinations. For each route, information such as source, destination, fare, reservation details, pick up points etc are provided.

2.1(i) Reservation Modules:

This module is for passengers where passenger can reserve the seats by making payment. Using this module user can book tickets. From this module user can also book tickets or cancel previously booked tickets. The module maintains the details of all reservations made so far and allows administrator to either confirm or reject the bookings. this portal services to the administrator. Accordingly, the administrator can take various steps to act on the complaints and suggestions.

2.1(j) Tour Details:

Details of different types of tours which includes tours like family tours, couple tours, general tours, date and time of departure and the fair of the tours etc are maintained. As the customer ask for the details of a particular tour, the tours and travel management system give the details of the related place where tourist wants to go, the date, time of the tour and number of seats.

2.2. DATA BASE

The user has to provide details.

This involves the following steps:

2.2.1 Open the website.

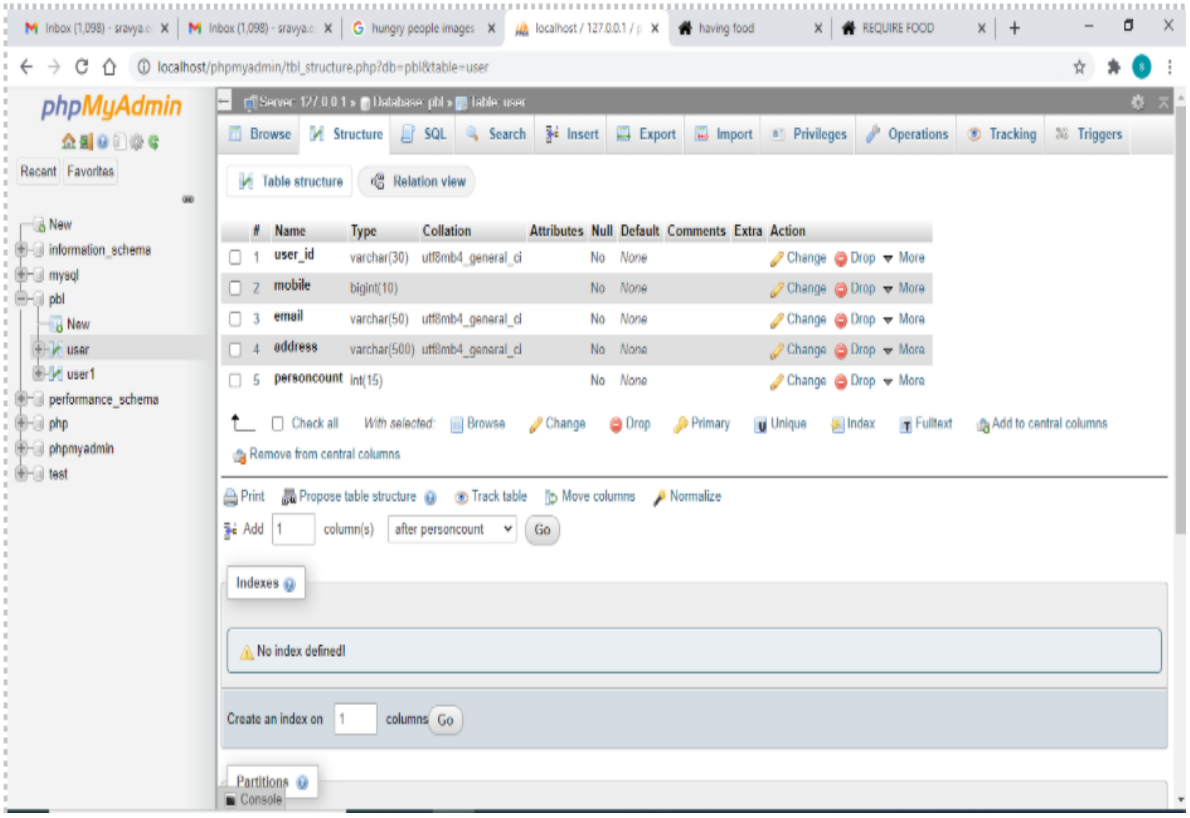
2.2.2 Go to registration page and sign up.

2.2.3 Enter all the details specified under that block that is to be stored in the database.

2.2.4 The user should fill all the details mentioned according to the constraints we provide

2.2.5 Finally, the details entered by the user will be stored in the database

In our website we are using phpMyAdmin which is a free software tool to handle the administration of SQL over the webpage



3. HARDWARE AND SOFTWARE REQUIREMENTS

Recommended Operating Systems:

- Windows: 7 or newer
- MAC: OS X v10.7 or higher
- Linux: Ubuntu

3.1 HARDWARE REQUIREMENTS

- Processor: Minimum 1 GHz; Recommended 2GHz or more
- Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)
- Hard Drive: Minimum 32 GB; Recommended 64 GB or more
- Memory (RAM): Minimum 1 GB; Recommended 4 GB or above
- Sound card w/speakers
- Some classes require a camera and microphone

3.2 SOFTWARE REQUIREMENTS

3.2(a) Operating System:

Windows7 An Operating System (OS) is an interface between a computer user and computer hardware. An operating system is a software which performs all the basic tasks like file management, memory management, process management, handling input and output, and controlling peripheral devices such as disk drives and printers. Functions of an operating system:

- Memory Management
- Processor Management
- Device Management
- File Management
- Security
- Control over system performance
- Job accounting
- Error detecting aids
- Coordination between other software and users 11

3.2(b) XAMPP:

XAMPP is a source platform web solution package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDBdatabase, and interpreters for scripts written in the PHP and Perl programming. 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.

3.2(c) BOOTSTRAP:

Bootstrap is a free and open-source CSS framework directed at responsive, first front. It contains CSS and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components. Bootstrap also comes with several JavaScript components in the form of jQuery plugins. Bootstrap is a web framework that focuses on simplifying the development of informative web pages (as opposed to web apps). The primary purpose of adding it to a web project is to apply Bootstrap's choices of color, size, font and layout to that project. As such, the primary factor is whether the developers in charge find those choices to their liking. Once added to a project, Bootstrap provides basic style definitions for all HTML elements. The result is a uniform appearance for prose, tables and form elements across web browsers. In addition, developers can take advantage of CSS classes defined in Bootstrap to further customize the appearance of their contents.

4. HTML & CSS

4.1 HTML

HTML is the standard markup language for creating Web pages.

HTML stands for Hyper Text Markup Language

- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements are represented by tags
- HTML files are saved using .html extension
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on

Browsers do not display the HTML tags, but use them to render the content of the page.

Structure of a HTML page:

```
<html>
<head><title></title>
</head
<body>
</body>
</html>
```

4.2 CSS

CSS stands for Cascading Style Sheets.

- CSS is a style sheet language used for describing the presentation of a Webpage
- CSS provides more flexibility and control in the specification of presentation.
- CSS enables multiple webpages to share formatting.
- CSS files are saved using .css extension.
- CSS provides Site-wide consistency

5. SCRIPTING LANGUAGES

PHP

PHP stands for Hypertext PreProcessor.

PHP is server scripting language.

At Present we are using PHP 7

PHP 8 is in beta

PHP files are saved using .php extension

Example PHP code for printing “Hello, World!”

```
<?php
 Echo ‘Hello, World!’;
?>
```

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**.**

5.1 UML DIAGRAMS

UML is a way of visualizing a software program using a collection of diagrams. The notation has evolved from the work of Grady Booch, James Rumbaugh, Ivar Jacobson, and the Rational Software Corporation to be used for object-oriented design, but it has since been extended to cover a wider variety of software engineering projects. Today, UML is accepted by the Object Management Group (OMG) as the standard for modeling software development.

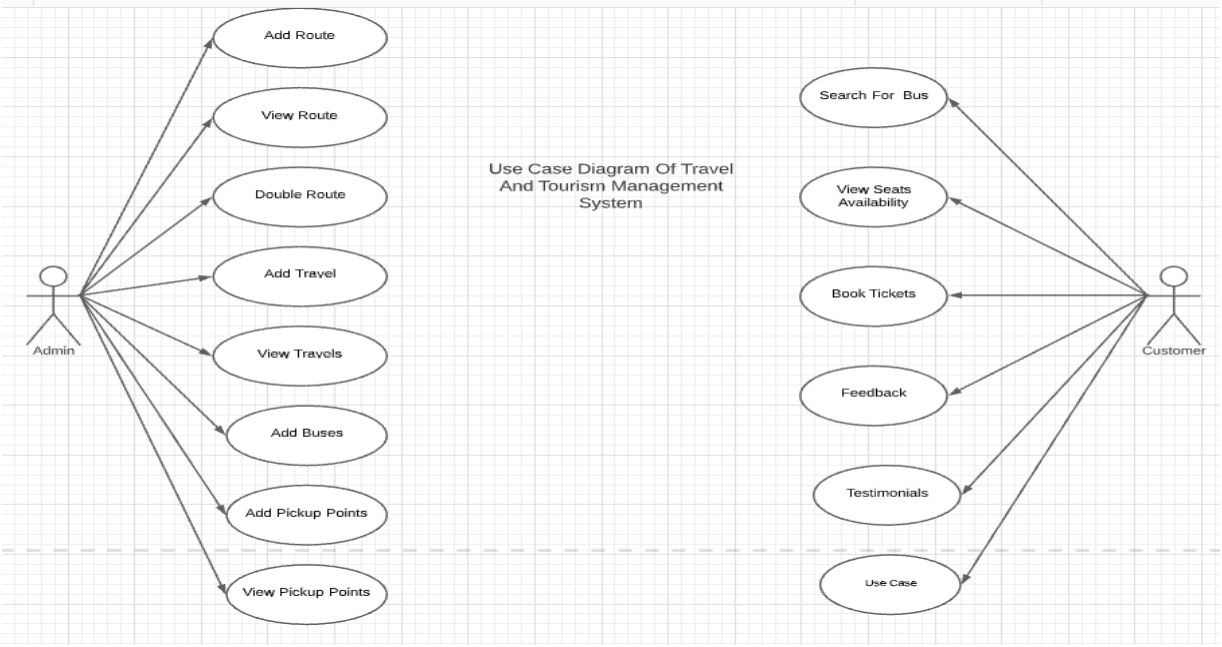
Structural UML diagrams

- Class diagram

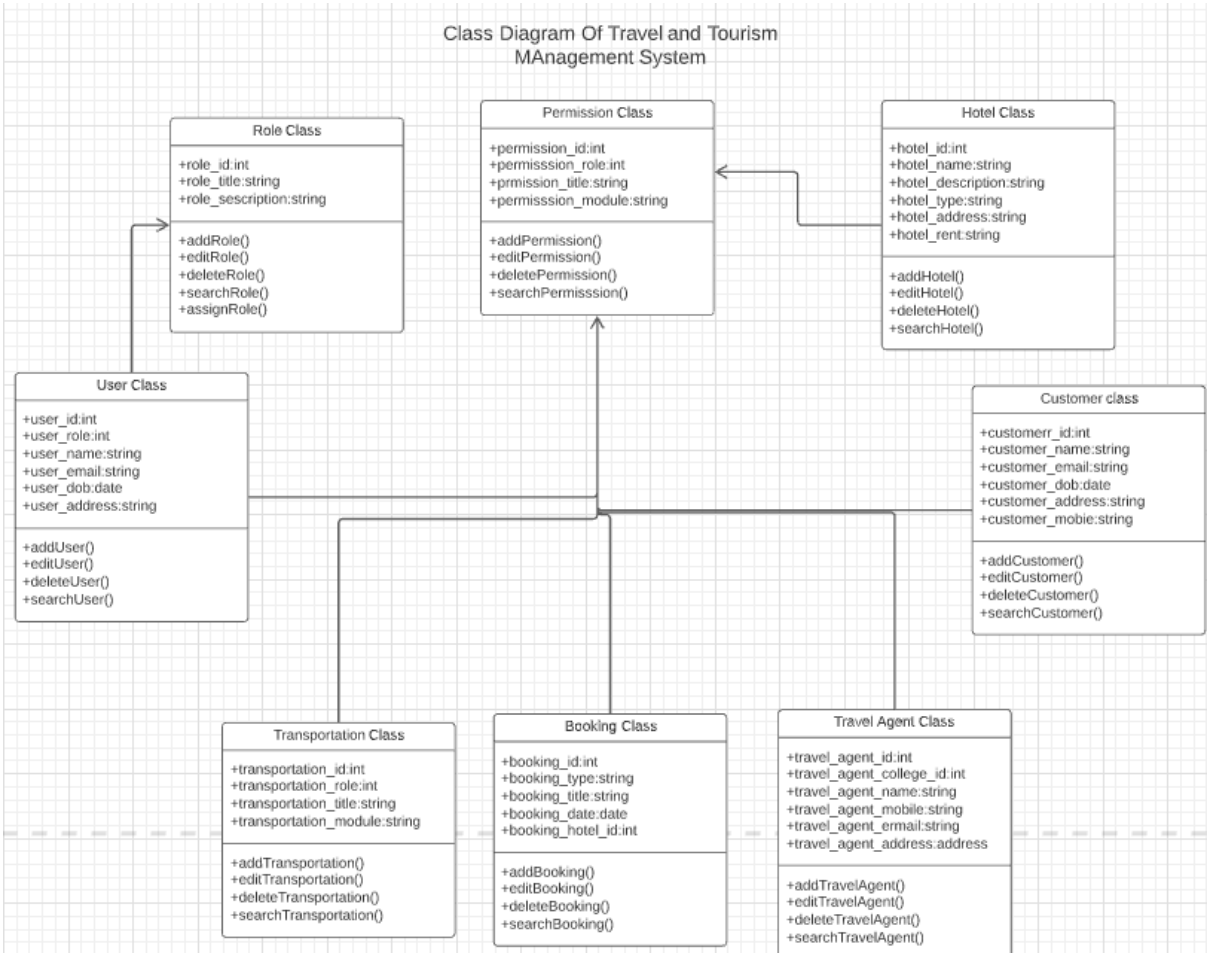
Behavioral UML diagrams

- Activity diagram
- Sequence diagram
- Use case diagram
- State diagram

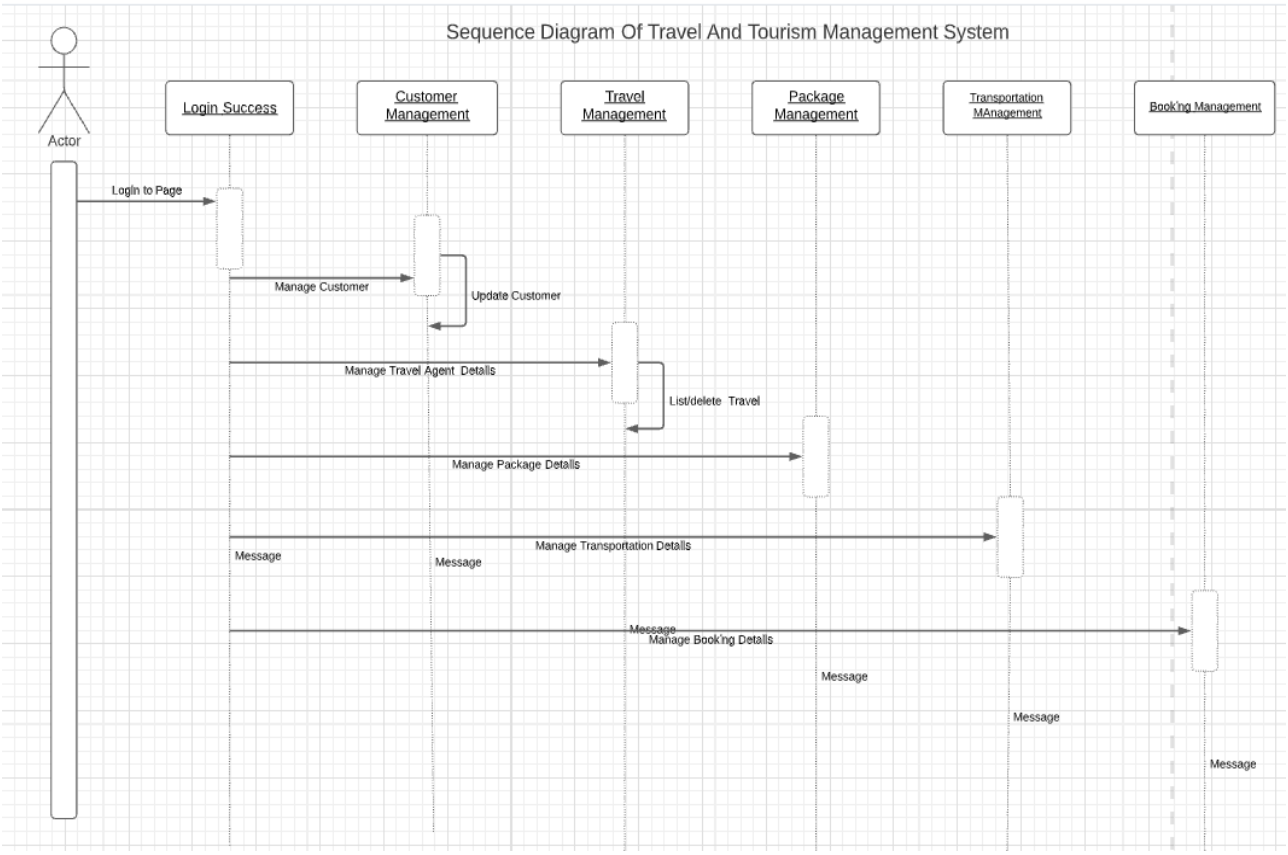
Usecase Diagram



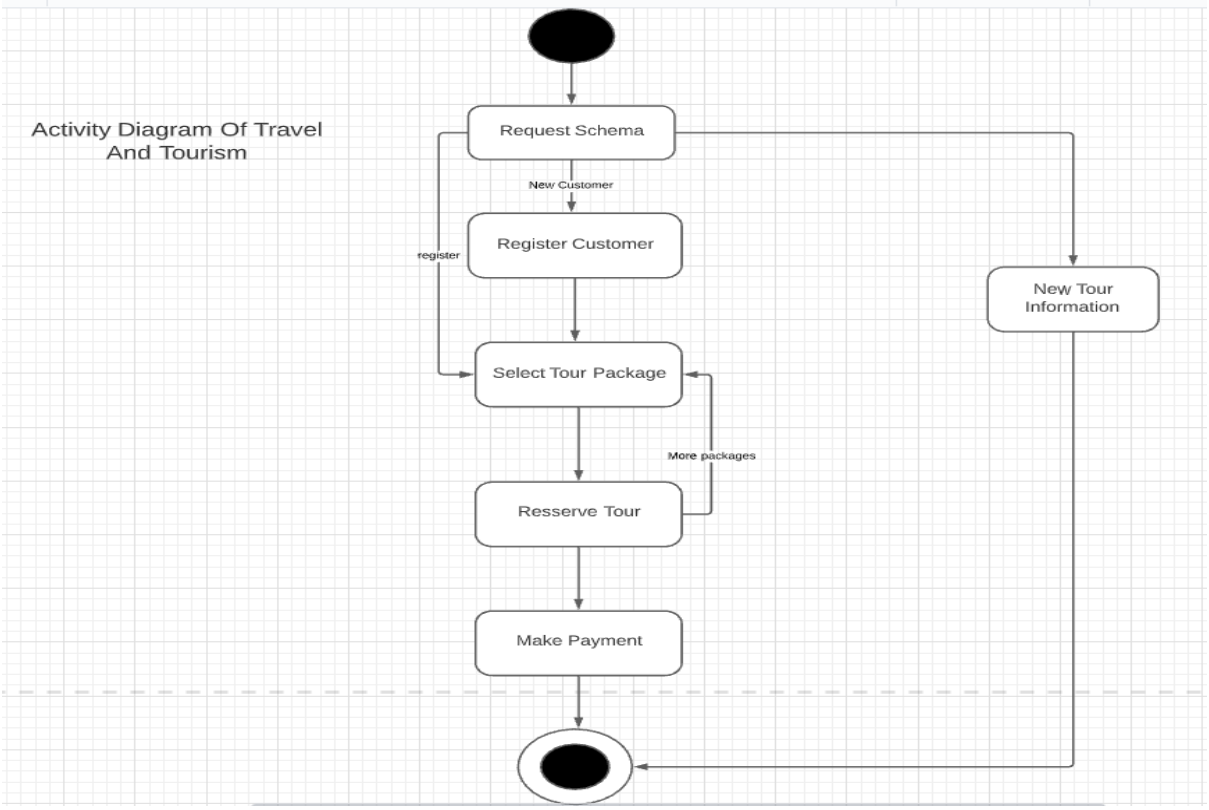
Class Diagram



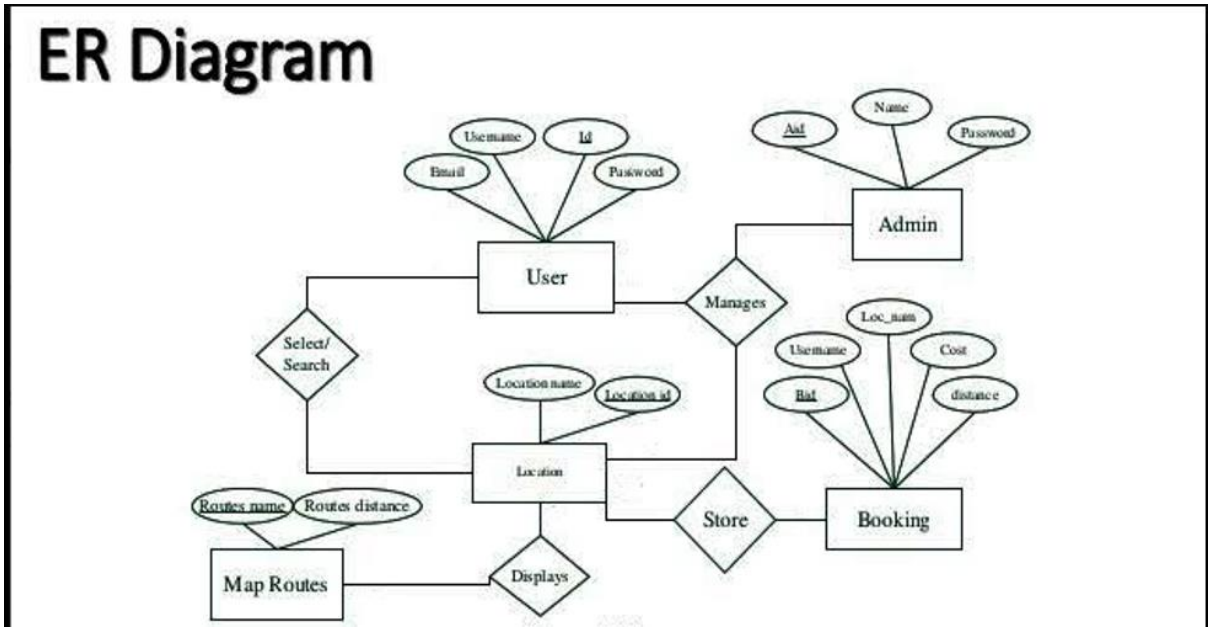
Sequence Diagram



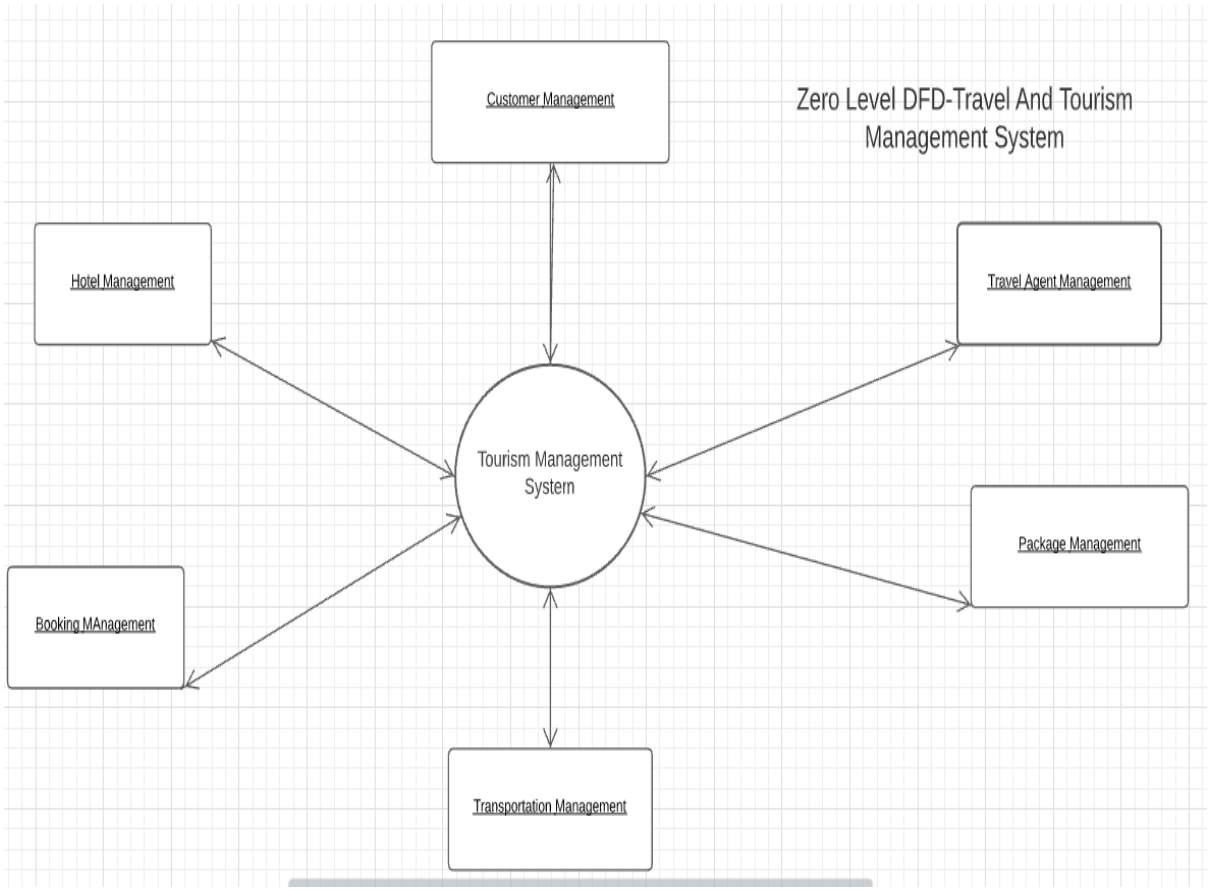
Activity Diagram



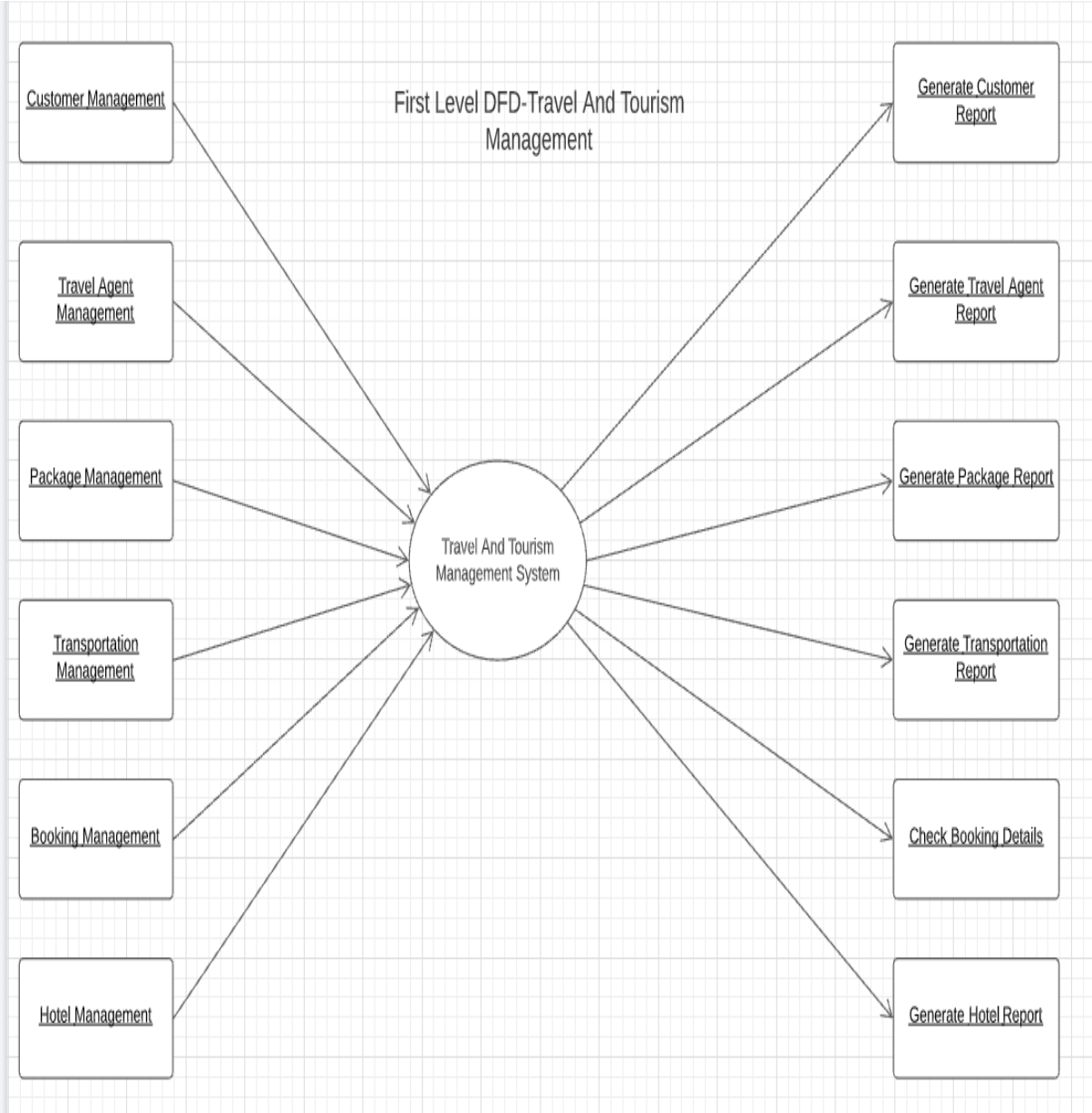
ER Diagram



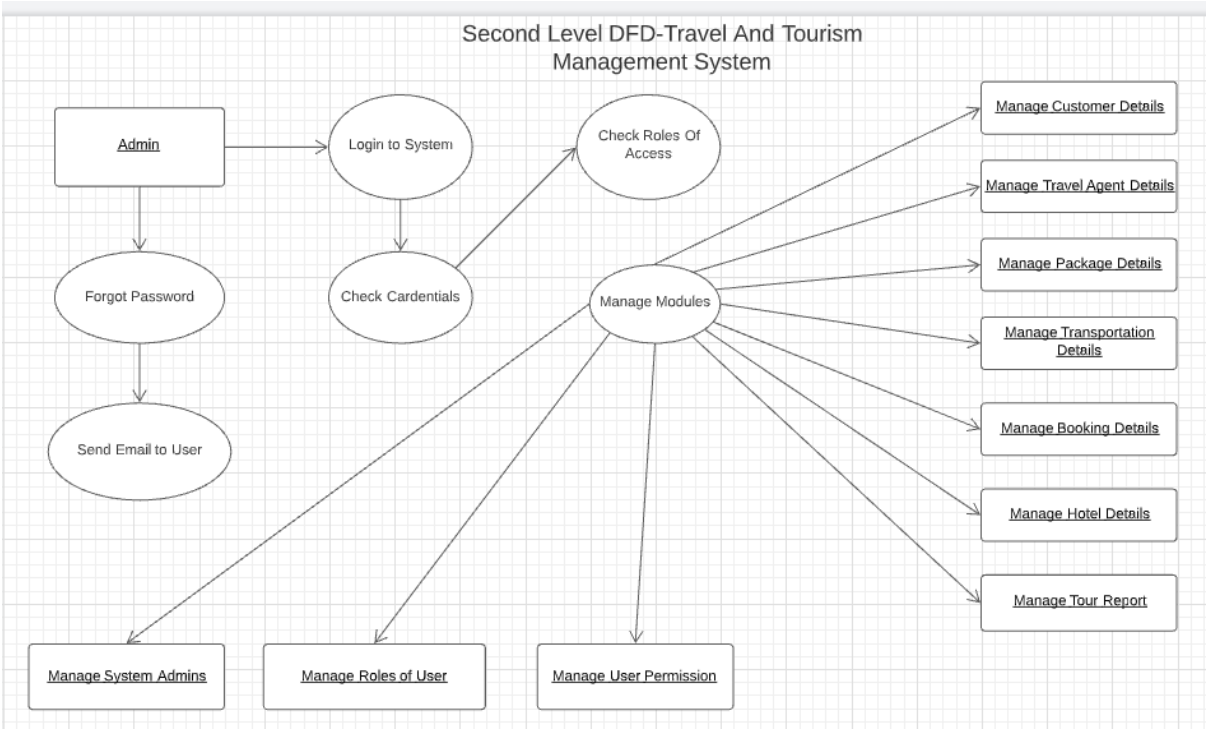
Zero level DFD



First Level DFD



Second Level DFD



6. IMPLEMENTATION

Source code

Implentation

HTML part

```
<!DOCTYPE html>
<html>
<head>
	<title>TRAVEL AND TOURISM</title>
	<link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>
	<header>
		<div class="main">
			<div class="logo">
				<img src="3.jpg">
			</div>
			<ul>
				<li class><a href="index.html">Home</a></li>
				<li class><a href="index2.html">Registration</a></li>
				<li class><a href="index4.html">Gallery</a></li>
				<li class><a href="index5.html">About</a></li>
				<li class><a href="index3.html">Contact</a></li>
			</ul>
		</div>
<div class="title">
			<h1>TRAVEL AND TOURISM</h1>
		</div>
```

```
            <div class="button">
                <a href="index6.html" class="btn">Watch Video</a>
                <a href="index7.html" class="btn">Login Form</a>
            </div>
        </header>
</body>
</html>
```

CSS Part

```
*{
    margin: 0;
    padding: 0;
    font-family: Century Gothic;
}

header{
    background-image:  url(../1.jpg);
    height: 100vh;
    background-size: cover;
    background-position: center;

}

ul{
    float: right;
    list-style-type: none;
    margin-top: 25px;
}
```

```
ul li{
        display: inline-block;
}

ul li a{
        text-decoration: none;
        color: #fff;
        padding: 5px 20px;
        border: 1px solid transparent;
        transition: 0.65 ease;
}

ul li a:hover{
        background-color: #fff;
        color: #000;
}

ul li.active a{
        background-color: #fff;
        color: #000;
}

.logo img{
        float: left;
        width: 100px;
        height: auto;
}

.main{
        max-width: 1200pr;
```

```
        margin: auto
}

.title{
        position: absolute;
        top: 50%;
        left: 50%;
        transform: translate(-50%,-50%);
}

.title h1{
        color: #fff;
        font-size: 70px;
}

.button{
        position: absolute;
        top: 62%;
        left: 50%;
        transform: translate(-50%,-50%);
}

.btn{
        border: 1px solid #fff;
        padding: 10px 30px;
        color: #fff;
        text-decoration: none;
        transition: 0.65 ease;
}
```

```
.btn:hover{
        background-color: #fff;
        color: #000;
}
```

6.1 APPENDICES

Home page

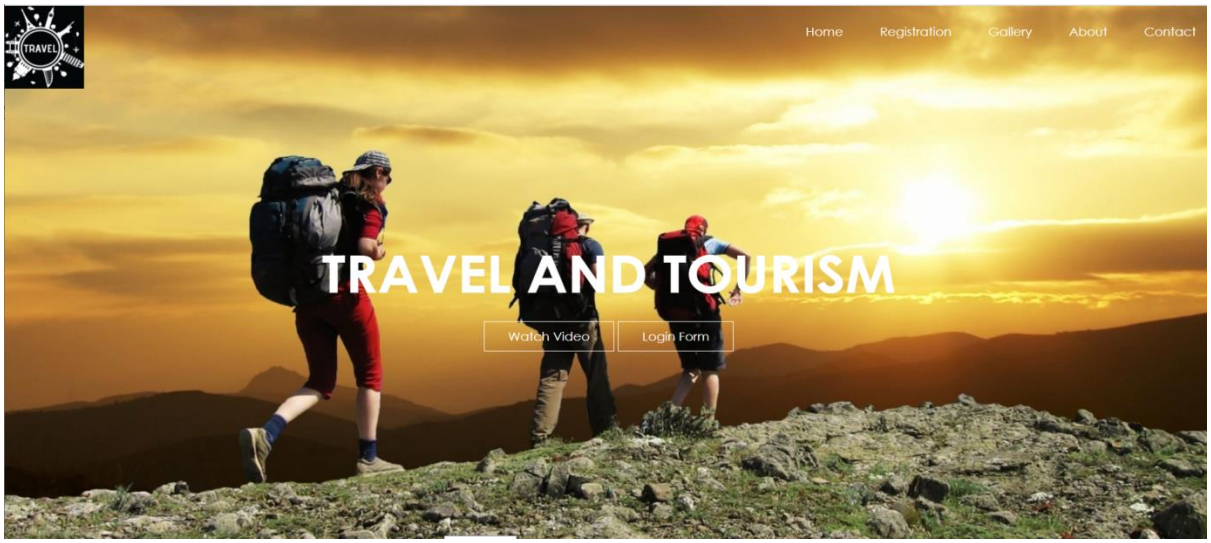


Fig-6(1)

Registration page

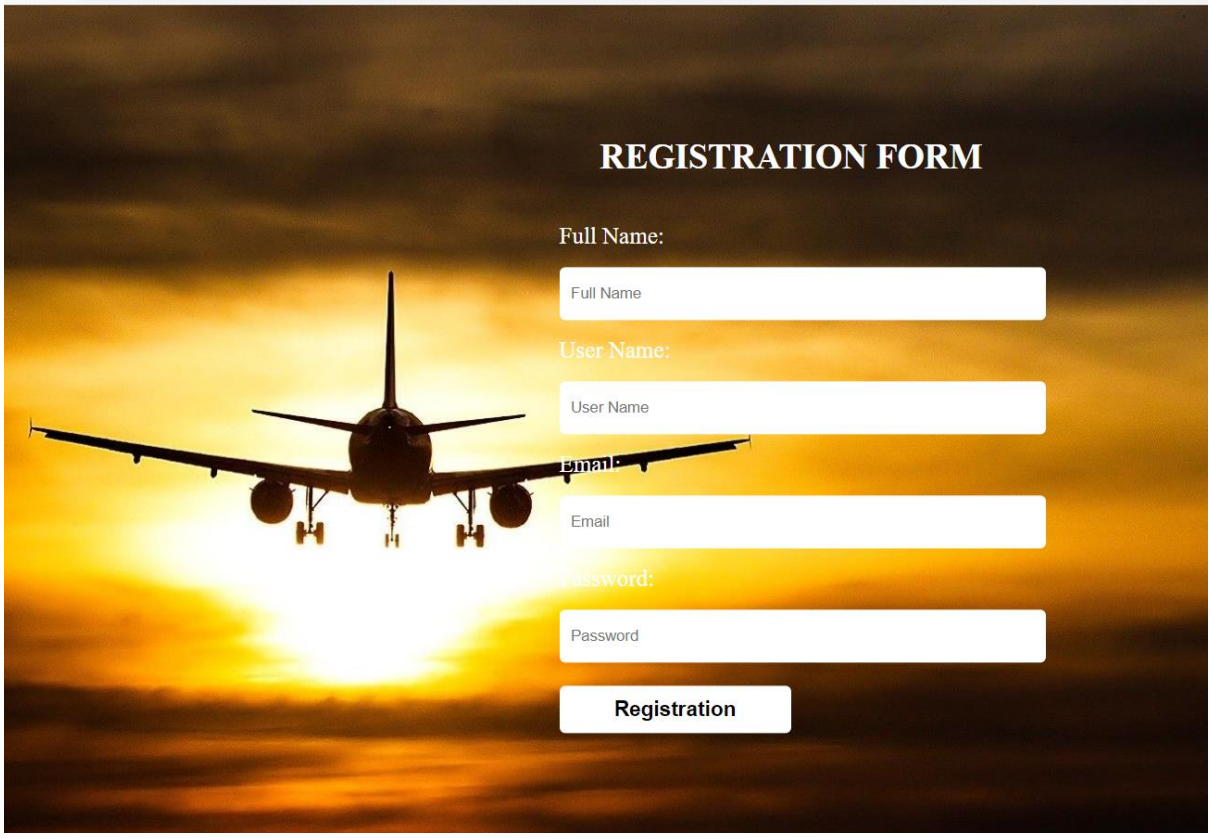


Fig-6(2)

Gallery page

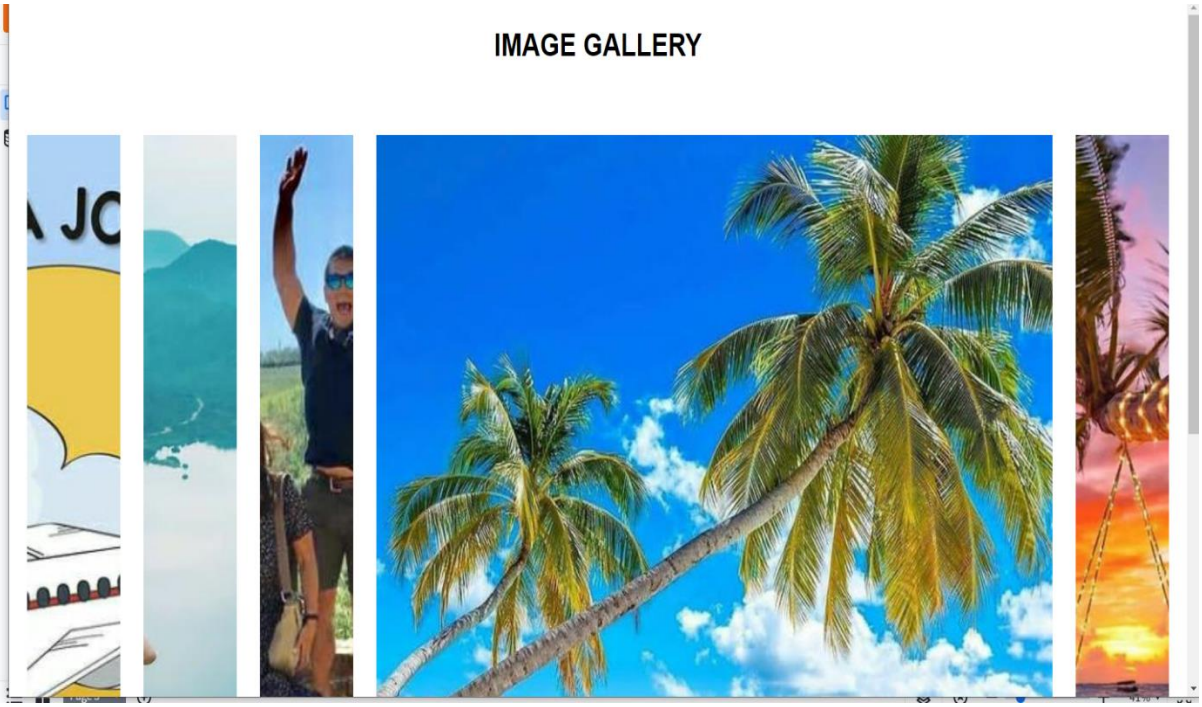


Fig-6(3)

About page

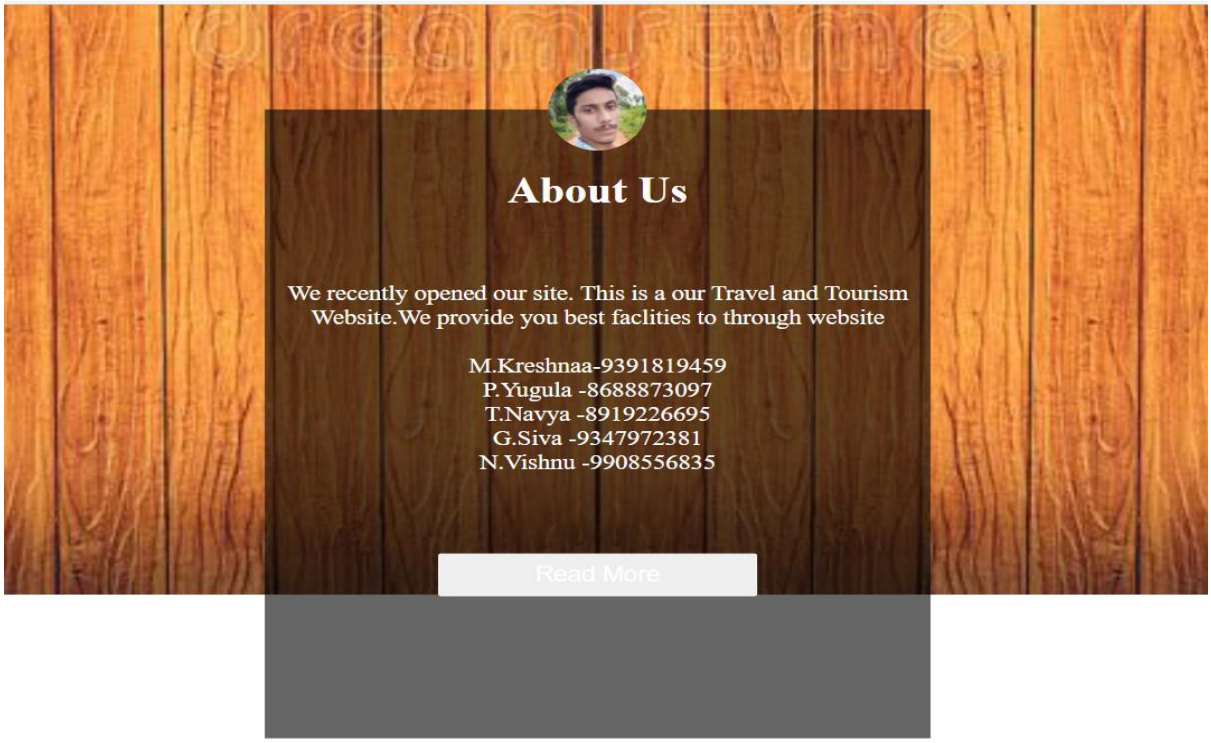


Fig-6(4)

Contact page

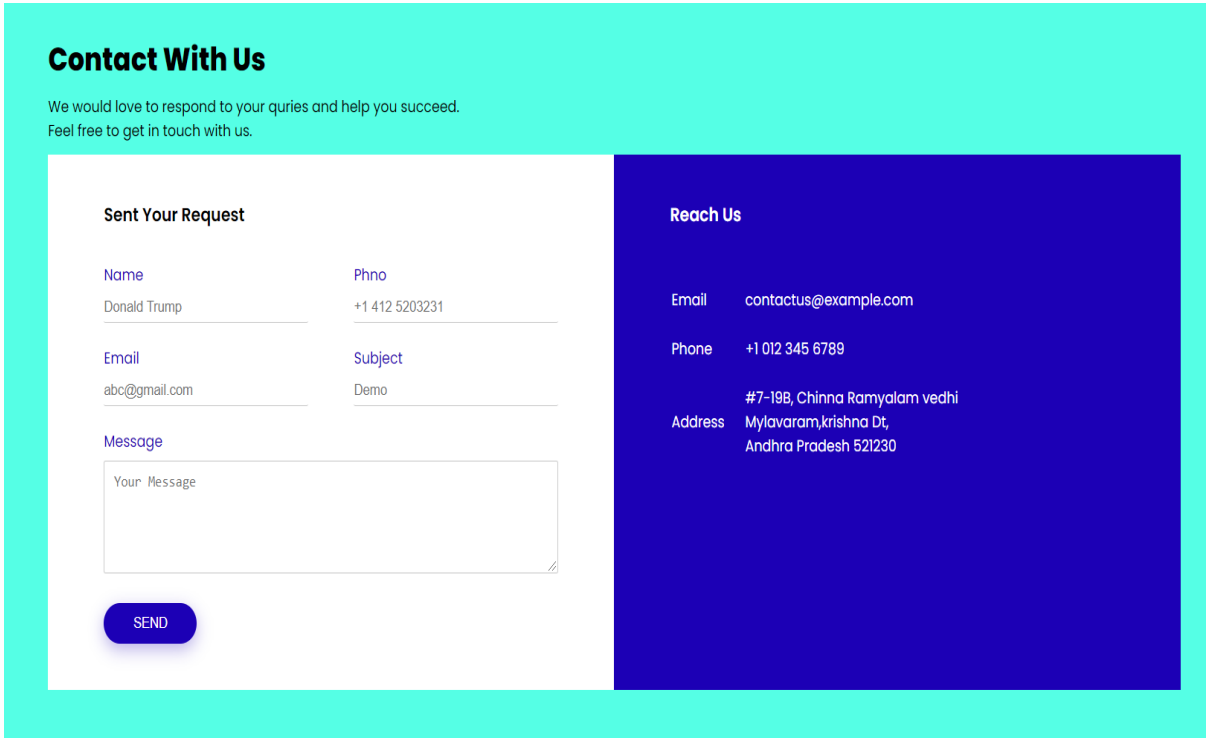


Fig-6(5)

Video page

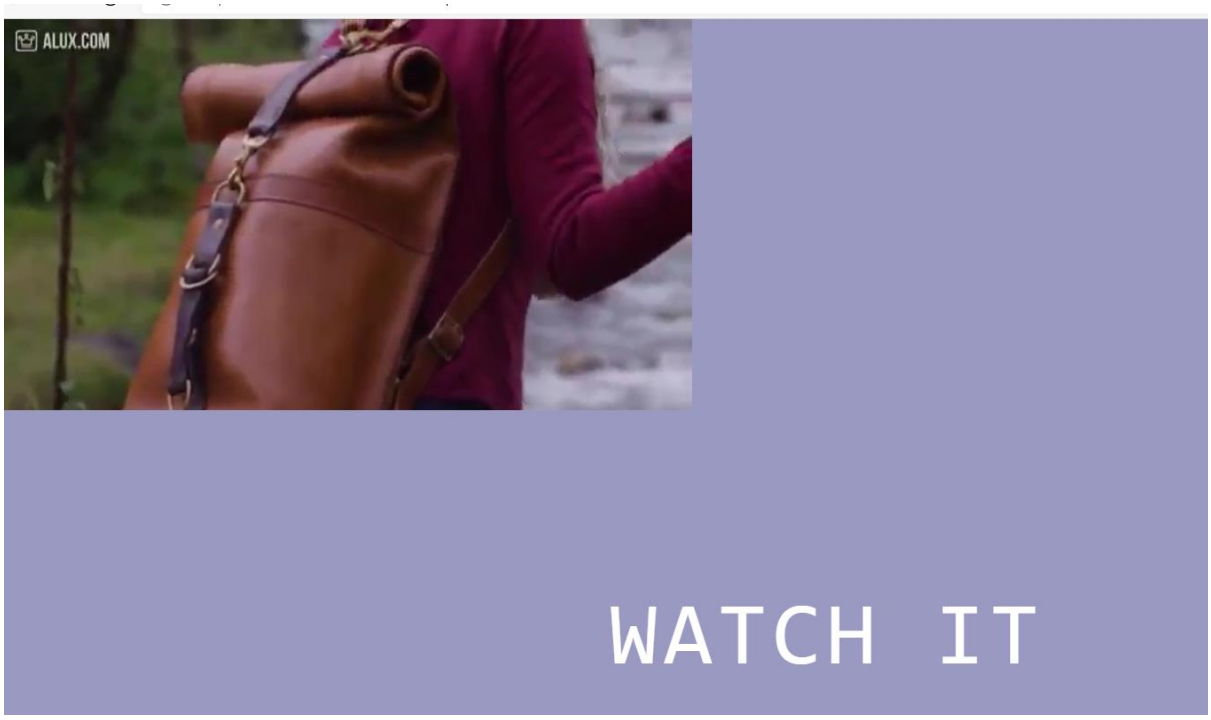


Fig-6(6)

Login page

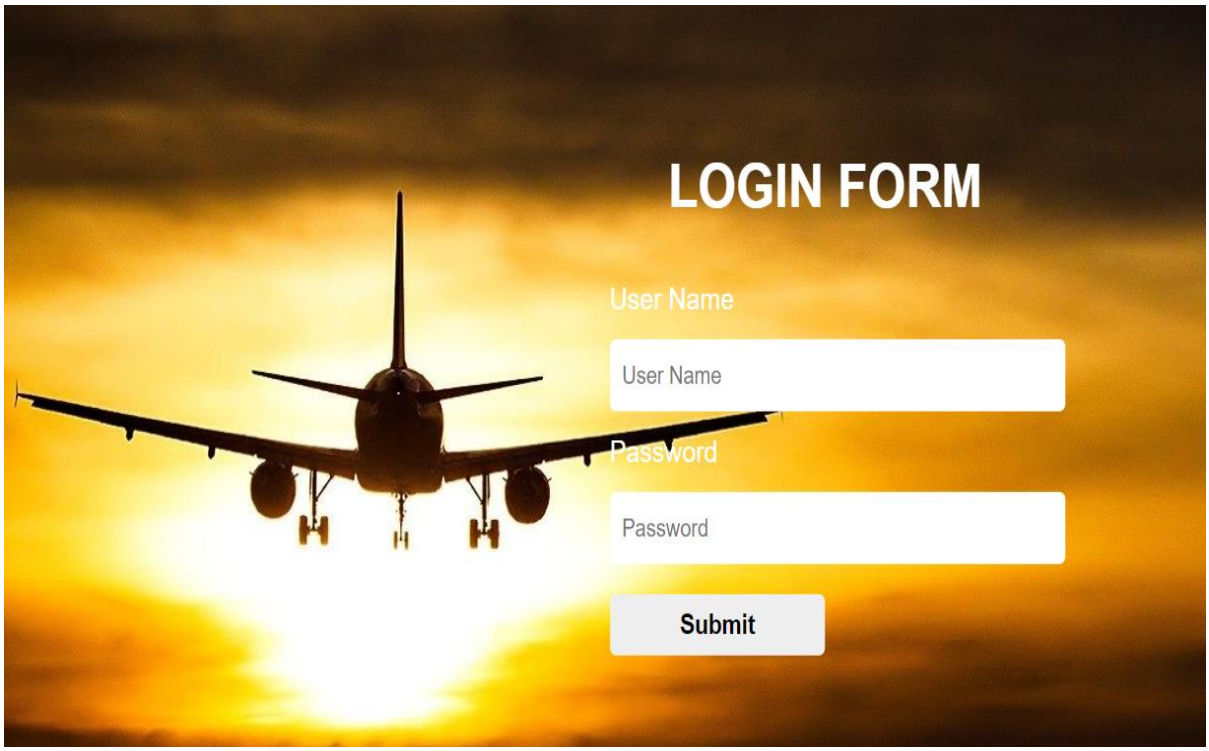


Fig-6(7)

7. CONCLUSION

This web application was successfully created and stored all the travel admin tourism package booking creating and managing tour details into the database using this application. The application was tested very well and the errors were properly debugged. Testing concluded that the performance of the system is satisfactory. All the necessary output is generated. This system provides an easy way to automate all the functionalities of consumption. If this application is implemented in few consumptions, it will be helpful. Further enhancements can be made to the project, so that the website works in a very attractive and useful manner than the present one. It is concluded that the application works well and satisfy the needs. It also acts as the sharing of files to the valuable resoures.

8. FUTURE SCOPE:

Any tourist can make use of it for saving customer details in database. Tourism group can use it for managing their location, hotel, vehicels details. We can add new features when we require. Reusability of this application also possible.

9. REFERENCES

Wang Y& Pizam, A. (2011). Destination marketing and management: theories and applications. London: CABI. Wanhill, S. R. C. (1980).

Tackling seasonality:

a technical note. International Journal of Tourism Management, 1, 243–245. WCED. (1987).

Our common future Oxford:

World Commission on Environment and Development and Oxford University Press. Weitzman, M. L. (1998).

Recombinant growth Quarterly Journal of Economics, 113, 331– 360. Wensveen, J. G. (2007). Air transportation: a management perspective. Aldershot: Ashgate. Werther, H., & Klein, S. (1999). Information technology and tourism – A challenging relationship. Vienna: Springer. Weston, R. (1986).

The ubiquity of room taxes. Tourism Management, 4, 194–198. Wheeler, M. (1994). The emergence of ethics in tourism and hospitality. Progress in Tourism, Recreation and Hospitality Management, 6, 647–654. White, P. R. (2008).