# TOURISM MANAGEMENT SYSTEM

## A PROJECT REPORT

*Submitted by*

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# RAJALAKSHMI ENGINEERING COLLEGE, CHENNAI

## BONAFIDE CERTIFICATE

Certified that this Thesis titled **"TOURISM MANAGEMENT SYSTEM"** is the bonafide work of "**G HARINI  (2116210701068), HARINI S (2116210701070), KEERTHIKA V(2116210701121)"** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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# ABSTRACT

This project redefines travel exploration with its seamless amalgamation of HTML, CSS, JavaScript, and PHP technologies. Delve into a treasure trove of destination details, spanning renowned landmarks to off-the-beaten-path gems, igniting wanderlust and curiosity. Effortlessly navigate through diverse tour packages, tailored to individual preferences and budgets, and secure bookings with ease, all within a few clicks. Immerse yourself in the enchanting beauty of our curated image galleries, offering a visual feast of breathtaking landscapes and vibrant cityscapes from around the globe. This harmonious integration ensures a fluid and engaging user experience, adaptable across various devices and platforms, enhancing accessibility for all travelers.

# ACKNOWLEDGMENT

First, we thank the almighty god for the successful completion of the project. Our sincere thanks to our chairman **Mr. S. Meganathan B.E., F.I.E.,** for his sincere endeavor in educating us in his premier institution. We would like to express our deep gratitude to our beloved Chairperson **Dr. Thangam Meganathan Ph.D.,** for her enthusiastic motivation which inspired us a lot in completing this project and Vice Chairman **Mr. Abhay Shankar Meganathan B.E., M.S.,** for providing us with the requisite infrastructure.

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# TABLE OF CONTENTS

# LIST OF FIGURES

# CHAPTER 1

## INTRODUCTION

Embark on a journey of exploration and discovery with a revolutionary online platform designed to simplify the way travelers plan and book their dream vacations. At the heart of our project lies a dedication to providing users with a seamless and immersive experience, combining detailed destination information, convenient tour booking facilities, and captivating image galleries into one intuitive interface. With the integration of HTML, CSS, JavaScript, and PHP technologies, we have created a dynamic platform that caters to the diverse needs and preferences of modern adventurers.

Our project aims to inspire and empower travelers of all backgrounds to embark on unforgettable adventures, from exploring ancient ruins to lounging on tropical beaches. By offering comprehensive destination details, including historical backgrounds, fascinating facts, and insider tips, we seek to ignite curiosity and fuel wanderlust. Whether you're planning a solo backpacking expedition or a family vacation, our platform provides the tools and resources needed to turn your travel dreams into reality

Through seamless tour booking facilities and an interactive image gallery showcasing the world's most breathtaking destinations, "Explore & Book" offers a truly immersive experience that transcends traditional travel planning. Our project is not just about booking tickets and accommodations; it's about fostering a sense of excitement, possibility, and discovery. Join us on this journey and unlock a world of exploration, adventure.

We understand that every traveler is unique, with distinct preferences and requirements, which is why our platform is designed to be intuitive and easy to navigate for users of all skill levels. Whether you're a tech-savvy adventurer or a first-time traveler, our website offers a seamless experience, allowing you to effortlessly browse destinations, compare tour packages, and make bookings with confidence.

## 1.1 PROBLEM STATEMENT

The current process of vacation planning is fragmented and cumbersome, requiring travelers to navigate multiple platforms for destination information and tour bookings. This inefficiency often leads to frustration and uncertainty, highlighting the need for a unified online solution. Thus, there is a clear demand for a comprehensive platform that seamlessly integrates destination details, tour booking facilities, and captivating visual content.

## 1.2 SCOPE OF WORK

The project scope entails developing an intuitive online travel platform with detailed destination information and seamless tour booking capabilities. It involves extensive research, design, and development using HTML, CSS, JavaScript, and PHP. The platform will feature captivating image galleries and responsive design for optimal user experience across devices. Rigorous testing and quality assurance will be conducted before deployment, followed by user training and ongoing support.

## 1.3 AIM AND OBJECTIVES OF THE PROJECT

The aim of this project is to revolutionize the way travelers plan and book their vacations by creating an integrated online travel platform. This platform will serve as a one-stop destination for users to access comprehensive destination information, seamlessly book tours, explore captivating image galleries, and enjoy a user-friendly experience across various devices. By amalgamating advanced web technologies such as HTML, CSS, JavaScript, and PHP, the project endeavors to simplify the travel planning process and inspire users to embark on memorable journeys with confidence and ease.

Firstly, it aims to develop a user-centric interface that prioritizes ease of navigation and accessibility. Secondly, the project aims to compile and present detailed destination information, including historical backgrounds and points of interest, to empower users with the knowledge needed to make informed travel decisions. Thirdly, it seeks to implement a seamless tour booking system that offers flexibility and convenience to users. Additionally, the project aims to curate visually captivating image galleries to inspire wanderlust and showcase the beauty of various destinations.

## 1.4 RESOURCES

This project has been developed through widespread secondary research of accredited manuscripts, standard papers, business journals, white papers, analysts' information, and conference reviews. Significant resources are required to achieve an efficacious completion of this project.

The following prospectus details a list of resources that will play a primary role in the successful execution of our project:

- A properly functioning workstation (PC, laptop, net-books etc.) to carry out desired research and collect relevant content.
- Unlimited internet access.
- Unrestricted access to the university lab in order to gather a variety of literature including academic resources (for e.g. Prolog tutorials, online programming examples, bulletins, publications, e-books, journals etc.), technical manuscripts, etc.

## 1.5 MOTIVATION

The motivation for embarking on this project stems from the recognition of the complexities and challenges inherent in the traditional process of travel planning and booking. The desire to simplify and streamline this process, coupled with the aspiration to empower travelers with comprehensive information and seamless booking facilities, serves as the driving force behind the project. Furthermore, the increasing demand for online travel platforms, fueled by technological advancements and changing consumer behaviors, underscores the importance and relevance of developing a user-friendly and integrated solution. By harnessing the power of technology and innovation, the project aims to revolutionize the way travelers explore, plan, and book their vacations, ultimately enhancing the overall travel experience and inspiring wanderlust in users around the world.

# CHAPTER 2

# LITERATURE SURVEY

[1]The paper discusses the development of a tourism culture management platform within the context of the internet's expansive information landscape. It covers various aspects including technology overview, demand analysis, system architecture design, and system implementation. Emphasizing the core advertising management module, the paper provides detailed insights into its functions such as plan creation, material creation, data reporting, and directional content package management. By systematically addressing these components, the paper aims to provide a comprehensive understanding of the platform's implementation process and its potential impact on managing tourism and cultural information in the digital age.

[2] The research focuses on addressing the inadequate information regarding mosque locations in Bukittinggi, West Sumatra, Indonesia, a significant tourism destination for Muslim travelers. To facilitate easier navigation for these tourists, a web-based and mobile-based Geographic Information System (GIS) for Places of Worship Information (GPWI) was developed. Following the waterfall method, the GPWI allows users to search for mosques based on specific criteria, providing detailed information, routes, and local transportation options. Utilizing Free Open Source Software (FOSS) such as PostgreSQL/PostGIS, PHP, JavaScript, and Basic4Android, the system's main contribution lies in its spatial-based database and programs. Evaluation results indicate the GPWI effectively meets the needs of Muslim tourists, enhancing their experience in navigating Bukittinggi's mosques and surrounding tourism sites and amenities.

[3]The paper addresses the lack of a comprehensive method for assessing the effectiveness of tourist destination websites, crucial channels for communication and promotion in the tourism industry. Introducing a novel assessment system, the Web Quality Index (WQI), the paper evaluates destination websites based on twelve parameters, enabling communication managers to gauge their website's performance and compare it with competitors. The WQI provides an overall index and allows for comparisons across different parameters, offering insights into areas of strength and weakness. Through a pilot sample of ten destination websites, the paper demonstrates the validity and potential of the proposed model, showcasing its applicability in evaluating and improving destination website effectiveness.
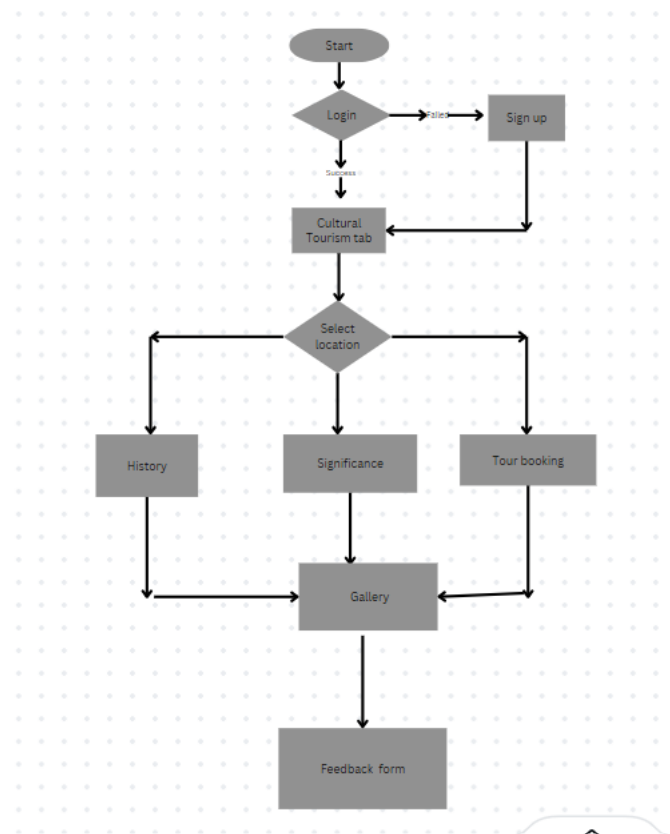
# CHAPTER 3

# SYSTEM DESIGN

## 3.1 GENERAL

In this section, we would like to show how the general outline of how all the components end up working when organized and arranged together. It is further represented in the form of a flow chart below.

## 3.2 SYSTEM ARCHITECTURE DIAGRAM



**Fig 3.2.1: System Architecture**

## 3.3 DEVELOPMENTAL ENVIRONMENT

### 3.3.1 HARDWARE REQUIREMENTS

The hardware requirements may serve as the basis for a contract for the system's implementation. It should therefore be a complete and consistent specification of the entire system. It is generally used by software engineers as the starting point for the system design.

**Table 3.1 Hardware Requirements**

| COMPONENTS | SPECIFICATION |
|---|---|
| PROCESSOR | Intel Core i5 |
| RAM | 8 GB RAM |
| GPU | NVIDIA GeForce GTX 1650 |
| HARD DISK | 512 GB |
| PROCESSOR SPEED | MINIMUM 1.1 GHz |

### 3.3.2 SOFTWARE REQUIREMENTS

The software requirements document is the specifications of the system. It should include both a definition and a specification of requirements. It is a set of what the system should rather be doing than focus on how it should be done. The software requirements provide a basis for creating the software requirements specification. It is useful in estimating the cost, planning team activities, performing tasks, tracking the team, and tracking the team's progress throughout the development activity.

**Xampp ,Visual studio,** and **chrome** would all be required.

## 3.4   SEQUENCE DIAGRAM
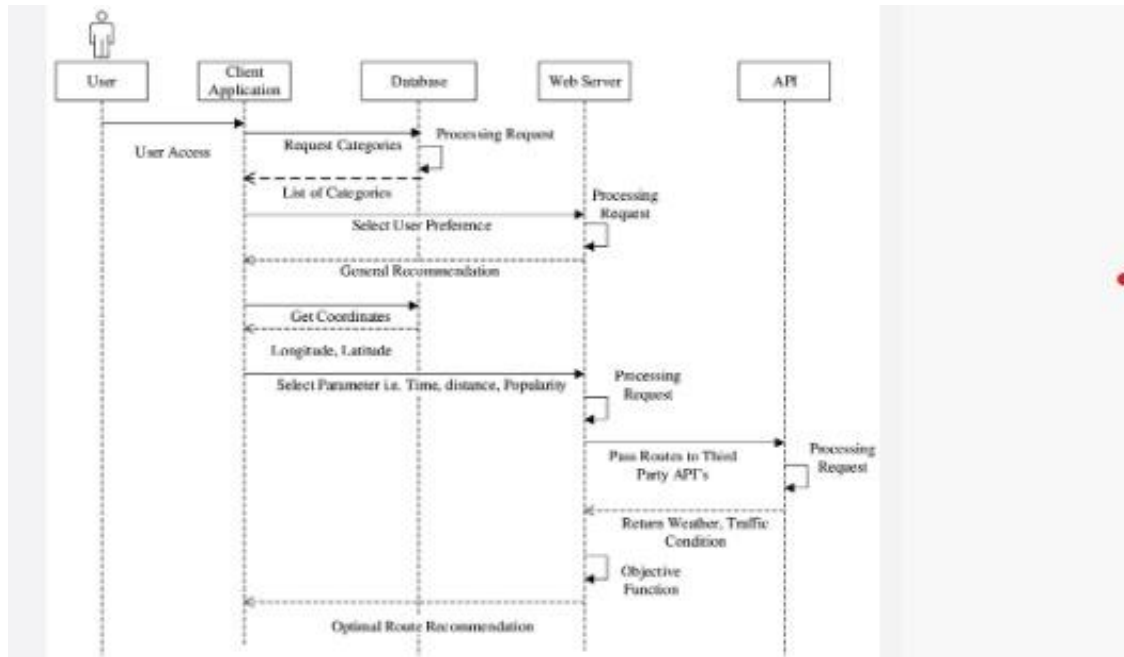


**Fig 3.4.1: Sequence Diagram**

# CHAPTER 4

# PROJECT DESCRIPTION

## 4.1 METHODOLOGY

The project aims to develop an integrated online travel platform using a systematic methodology that ensures efficiency and effectiveness throughout the development process. Following an iterative approach, the methodology begins with requirements gathering and analysis to define the project scope, objectives, and user needs. This phase involves conducting research, stakeholder consultations, and user interviews to gather insights into user preferences, industry trends, and technological requirements. Subsequently, the project progresses to the design phase, where wireframes, mockups, and prototypes are created to visualize the user interface and user experience.

Once the design is finalized, the development phase commences, where the backend and frontend components are implemented using HTML, CSS, JavaScript, and PHP technologies. This phase involves coding, testing, and integration of features, with a focus on scalability, performance, and security. Continuous testing and quality assurance processes are employed to identify and address any issues or bugs, ensuring a reliable and robust system. Finally, the deployment phase involves launching the platform on a reliable hosting server and providing user training and support.

## 4.2 MODULE DESCRIPTION

The project comprises several interconnected modules to facilitate a seamless travel experience: The Destination Information module offers comprehensive details about various tourist spots, including descriptions, historical backgrounds, and points of interest. The Tour Booking module enables users to browse and book tour packages, specify travel dates, and make reservations effortlessly. The Image Gallery module showcases captivating photographs of destinations worldwide, inspiring users and enhancing their exploration experience. The User Authentication module ensures secure access to the platform, while the Responsive Design module ensures optimal performance across devices. Finally, the Admin Dashboard module provides administrators with tools to manage destinations, tours, and user bookings efficiently, ensuring smooth operation and user satisfaction.

### Sign-In page:

The sign-in page of a tourist website facilitates user access to personalized features and bookings, offering fields for credentials input and options for social authentication.

### Sign-Up page:

The signup page on a tourist website enables new users to create accounts, providing fields for essential information and options for account customization.
It streamlines the onboarding process, ensuring a seamless experience for users as they register and access personalized features on the platform.

### Home page:

The home page of a tourist website welcomes visitors with stunning imagery and intuitive navigation, enticing them to explore destinations, accommodations, and activities. It serves as a gateway to a wealth of travel information, offering enticing deals, featured destinations, and user-friendly search functionality to inspire and assist travelers in planning their adventures.

**Aboutus page:**

The "About Us" page on a tourist website offers a glimpse into the company's ethos and history, building credibility and fostering trust with visitors.
It often highlights the team behind the platform, their expertise, and commitment to providing exceptional travel experiences, fostering a connection with potential customers and reinforcing the brand's identity within the tourism industry.

**Booking page:**

The booking page on a tourist website streamlines reservation processes, offering intuitive interfaces for selecting dates, accommodations, and additional services.
It inspires visitors to explore attractions, accommodations, dining options, and activities, providing valuable insights to help them plan and immerse themselves in unforgettable experiences.

**Destination page:**

The destination page on a tourist website showcases captivating imagery, detailed descriptions, and essential information about specific travel locations.
It serves as a virtual travel guide, inspiring visitors with highlights, attractions, accommodations, and activities, facilitating trip planning and igniting wanderlust.

**Feedback page:**

The feedback page on a tourist website invites users to share their experiences, suggestions, and concerns, fostering a sense of community and enhancing customer engagement.

**Gallery page:**

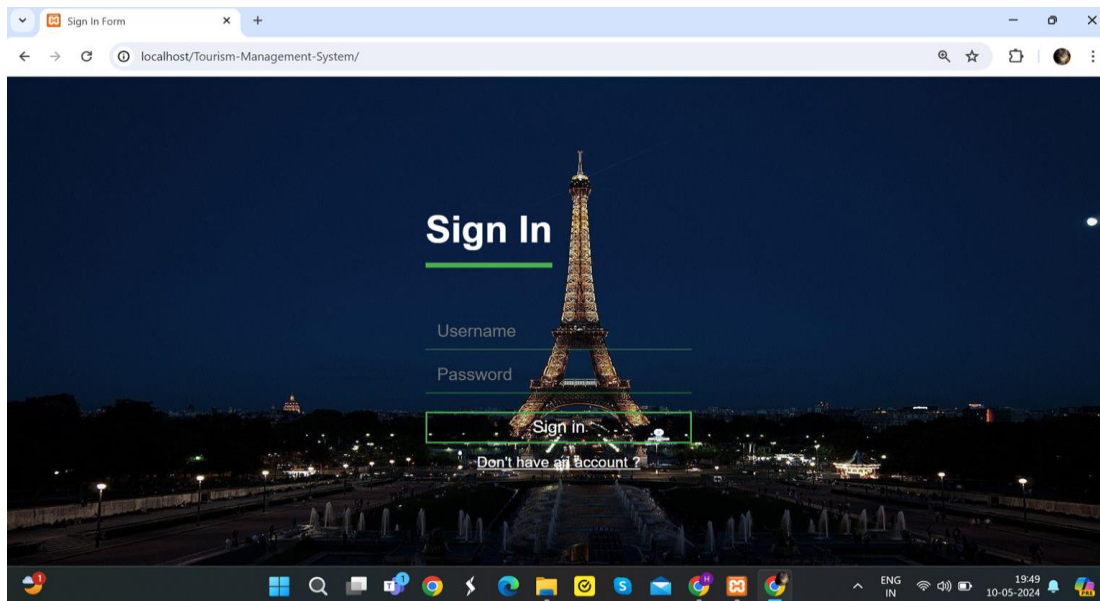The gallery page of a tourist website showcases a stunning array of images, offering visual inspiration and insight into destinations, accommodations, and activities.
It serves as a valuable platform for gathering insights, improving services, and demonstrating the website's commitment to customer satisfaction.
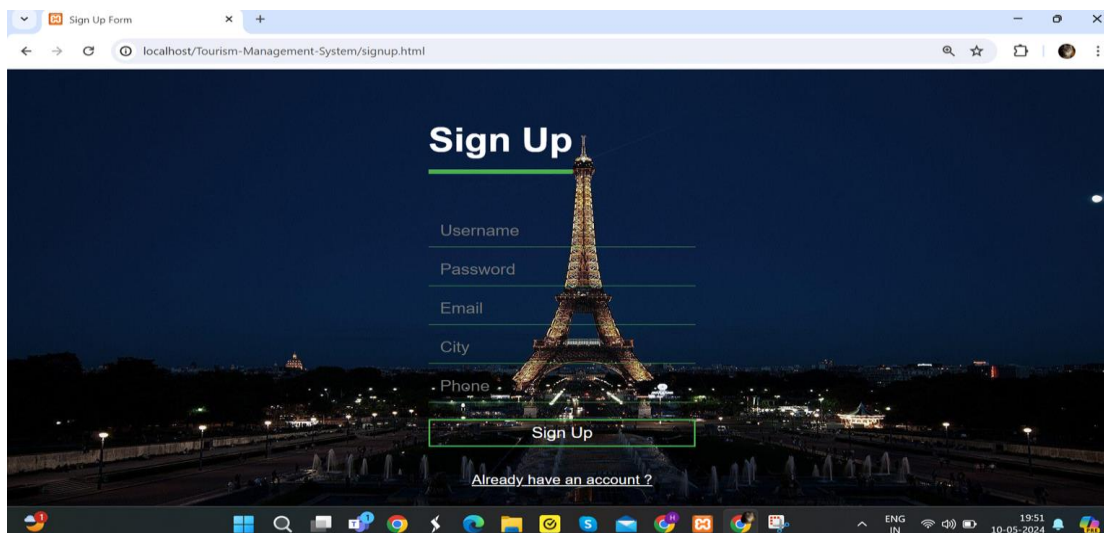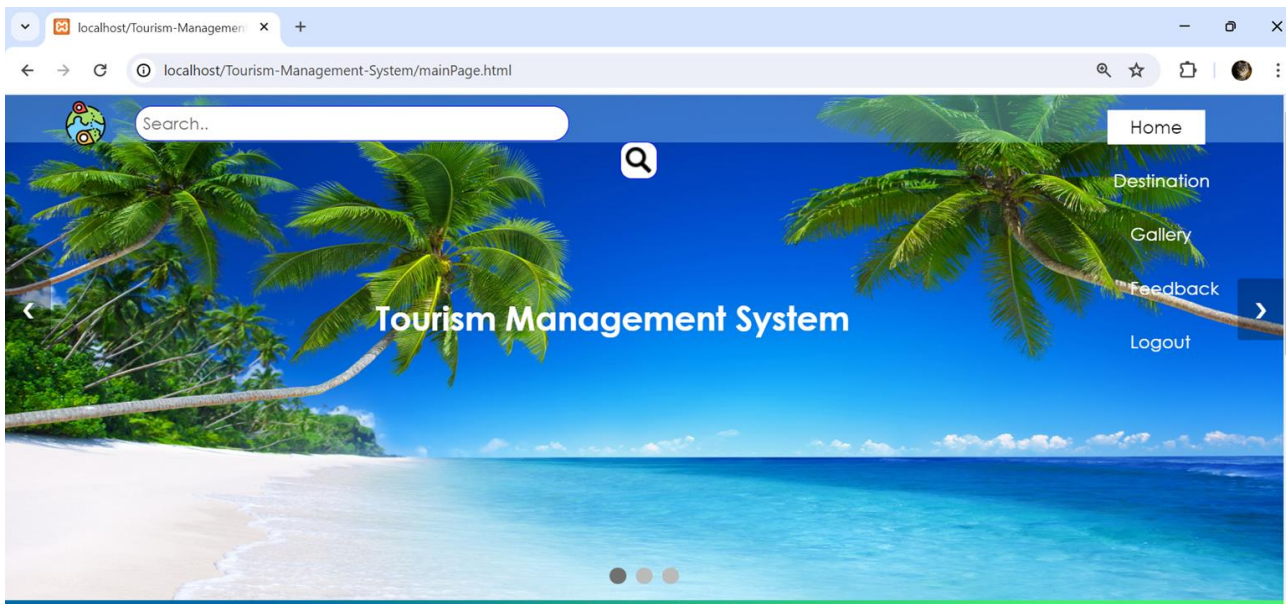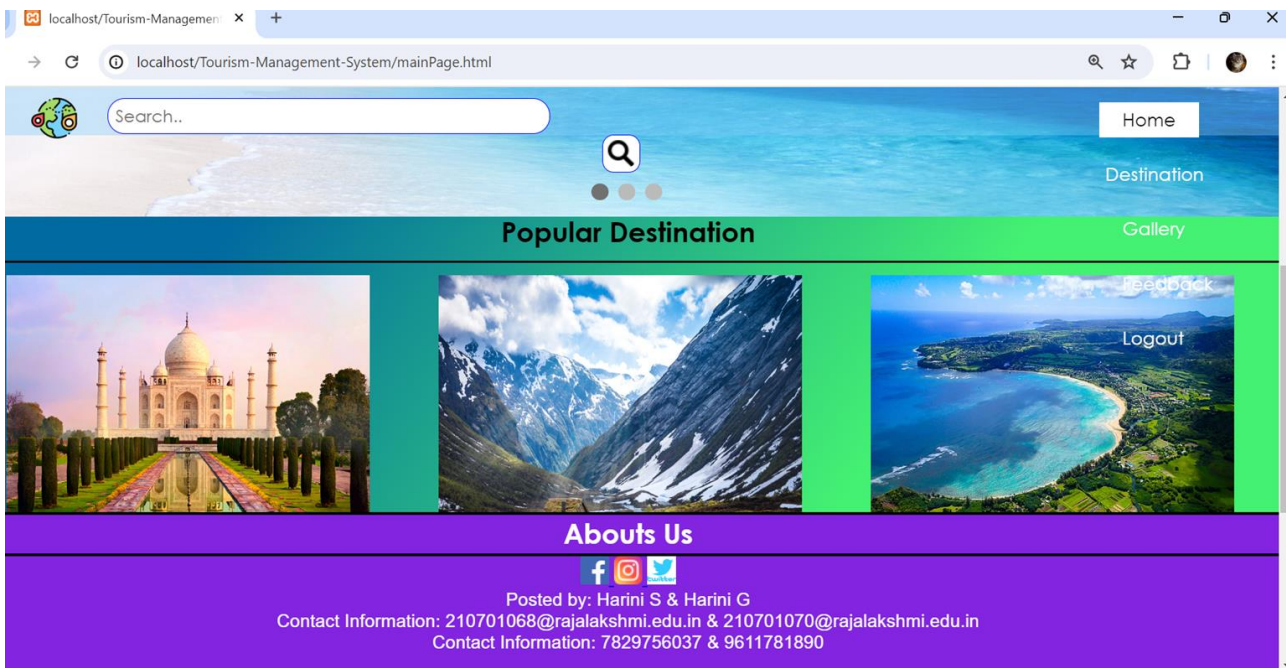
# CHAPTER 5

# RESULTS AND DISCUSSIONS

## 5.1 OUTPUT

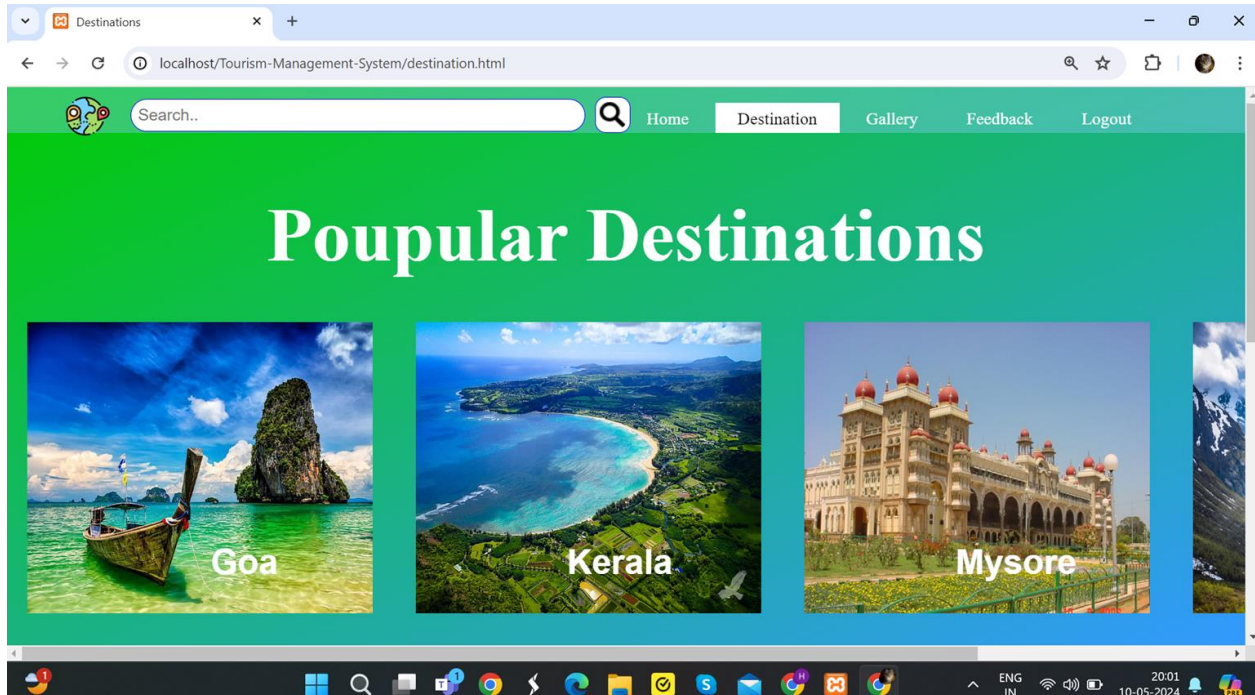

### 5.1.1 Sign-In page



### 5.1.2  Sign-Up page

**5.1.3 Home page**



**5.1.4 About page**

**5.1.5 Gallery**
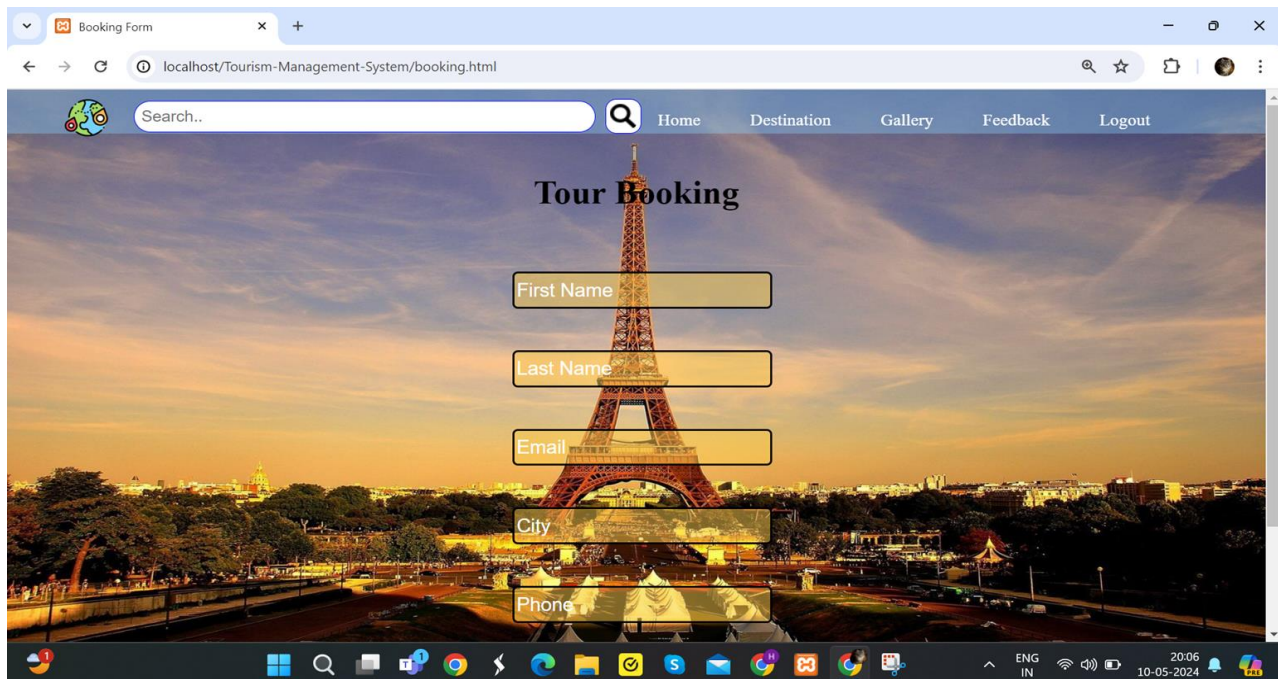


**5.1.6 Booking page**
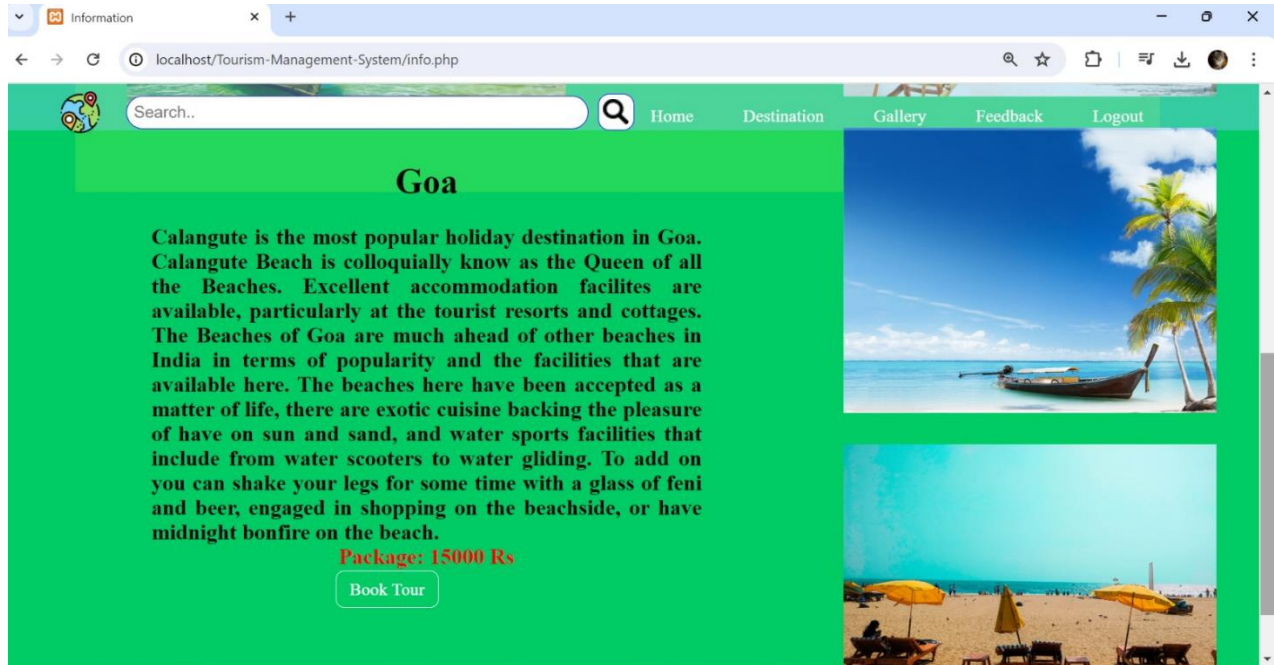
**5.1.7 Place Information**

## 5.2 RESULT

The project include the successful development and deployment of an integrated online travel platform that offers users a seamless and immersive travel experience. Users can access comprehensive destination information, including descriptions, historical backgrounds, and points of interest, enabling informed decision-making. The tour booking functionality allows users to browse, compare, and book tour packages with ease, streamlining the booking process. The image gallery showcases captivating photographs of destinations worldwide, inspiring users and enhancing their exploration experience. The platform's responsive design ensures optimal performance across devices, providing users with a consistent experience. Additionally, the user authentication system ensures secure access to the platform, protecting user data and privacy. Overall, the project's results contribute to enhancing the accessibility, convenience, and enjoyment of travel planning and booking for users, ultimately leading to increased user satisfaction and engagement.

# CHAPTER 6

## CONCLUSION AND FUTURE ENHANCEMENT

### 6.1 CONCLUSION

In conclusion, the development of the integrated online travel platform has been successfully completed, marking a significant milestone in revolutionizing the way travelers plan and book their vacations. Through comprehensive destination information, seamless tour booking facilities, captivating image galleries, and responsive design, the platform offers users a user-friendly and immersive travel experience. The project has achieved its objectives of simplifying the travel planning process, empowering users with valuable information, and enhancing user engagement and satisfaction. The platform's deployment ensures accessibility and reliability for users across various devices, while robust security measures safeguard user data and privacy. Overall, the project demonstrates the potential of technology to transform the travel industry, providing travelers with a powerful tool to explore the world with confidence and ease. As the platform continues to evolve and grow, it is poised to become a leading destination for travelers seeking unforgettable experiences and adventures.

### FUTURE ENHANCEMENT

Personalization Features: Implement personalized recommendations based on user preferences, browsing history, and past bookings to enhance user experience and encourage engagement.

Integration of AI and Machine Learning: Integrate AI and machine learning algorithms to analyze user behavior, predict travel trends, and optimize tour recommendations and pricing strategies.

Expanded Destination Coverage: Continuously update and expand the destination database to include emerging travel destinations, off-the-beaten-path locations, and niche interests to cater to a wider range of travelers.

# APPENDIX

## SOURCE CODE:

### index.html

```html
<!DOCTYPE html>
<html lang="entered">
 <head>
 <title> Sign In Form </title>
 <meta name="viewport" content="width= device-width, initial-scale=1.0">
 <link rel="stylesheet" type="text/css" href="css/signin.css">
</head>
 <body>
 <form name="myForm" action ="signin.php" method="POST">
 <div class="login-box">
 <h1> Sign In </h1>
<div class="textbox">
 <input type="text" placeholder="Username" name="user" value="" required>
  </div>
    <div class="textbox">
     <input type="password" placeholder="Password" name="pass" value=""
maxlength="8" required>
    </div>
     <input class="btn" type="submit" name="submit" value="Sign in">
    <center> <a style="color: white;" href="signup.html"> Don't have an
account ? </a> <center>
   </div>
</form>
</body>
</html>
```

**signin.php**

```php
<?php
 $db = mysqli_connect('localhost:3306','root','','travel');
 $username = $_POST["user"];
 $password = $_POST["pass"];
 $d = date("Y-m-d h:i:sa");
 $i=0;
 $usern = "";
 $passd = "";
 $que="INSERT INTO `login` (`user`,`pass`,`date_time`) VALUES
('$username','$password','$d')";
 $sql="SELECT fname, password FROM `customer` WHERE fname='$username'
and password='$password'";
 $result2 = mysqli_query($db, $sql);
 if(isset($_POST['submit'])){
      if($username == 'admin' and $password == 'ad123'){
              $result = mysqli_query($db, $que);
              header('location:admin.php');
}
      elseif($result2) {
              while($rows = mysqli_fetch_assoc($result2) and $i==0)
              {

                      $usern = $rows['fname'];
                      $passd = $rows['password'];
                      $i= $i+1;
              }
              if ($usern==$username and $passd==$password) {
                      $result = mysqli_query($db, $que);
                      header("location:mainPage.html");
              }
              else{
                      ?>
                      <script>
                              alert("Invalid username or password");
                      </script>
                      <?php
```

```
                    }
                }
            }
        ?>
```

**booking.html**

```html
<!DOCTYPE html>
<html>
<head>
    <title>Booking Form</title>
    <link rel="stylesheet" type="text/css" href="css/booking.css">
    <script>
            function validateForm() {
                    if (isEmpty(document.getElementById('data_3').value.trim())) {
                            alert('First name is required!');
                            return false;
                    }
                    if (isEmpty(document.getElementById('data_4').value.trim())) {
                            alert('Last name is required!');
                            return false;
                    }
                    if
(!validateEmail(document.getElementById('data_5').value.trim())) {
                            alert('Email must be a valid email address!');
                            return false;
                    }
                    return true;
            }
            function isEmpty(str) { return (str.length == 0 || !str.trim()); }
            function validateEmail(email) {
                    var re = "";
                    return isEmpty(email) || re.test(email);
            }
    </script>
</head>
<body>
    <div class="main">
```

```
            <ul>
                    <ul class="list">
                    <li class="logo"><a href="mainPage.html"><img src="earth-
globe.png" alt="Logo" style="width:36px;height:36px"></a></li>
                    <div class="search">
            <form method="POST" action="info.php">
             <input type="text" name="search_p" placeholder="Search.." size="50">

             <input type="image" name="submit_p" src="search_icon.png"
alt="Search image" style="width:22;height:22; margin-left: 35px;">
            </form>
        </div>
                    </ul>
                    <ul class="list2">
                    <li><a href="mainPage.html">Home</a></li>
                    <li><a id="long" href="destination.html">Destination</a></li>
                    <li><a href="gallery.html">Gallery</a></li>
                    <li><a href="feedback.html">Feedback</a></li>
                    <li><a href="index.html">Logout</a></li>
                    </ul>
            </ul>
    </div>
    <h1>Tour Booking</h1>
    <div class="container">
            <form method="POST" action="booking.php" name="form"
onsubmit="return validateForm()">
                    <div class="textbox">
                            <input type="text" placeholder="First Name" name="ffirst"
value=""  onkeypress="return /[a-zA-Z]/i.test(event.key)" required>
                    </div>
                    <div class="textbox">
                            <input type="text" placeholder="Last Name" name="flast"
value="" onkeypress="return /[a-zA-Z]/i.test(event.key)" required>
                    </div>

                    <div class="textbox">
```

```html
                        <input type="text" placeholder="Email" name="femail"
value="" required pattern="[a-z0-9.!#$%&'*+/=?^_`{|}~-]+@[a-z0-9-]+.[a-z]{2,4}"
title="Invalid Email">
                </div>
                <div class="textbox">
                        <input type="text" placeholder="City" name="city" value=""
onkeypress="return /[a-zA-Z]/i.test(event.key)" required>
                </div>
                <div class="textbox">
                        <input type="text" placeholder="Phone" name="fphone"
value="" onkeypress="return /[0-9]/i.test(event.key)" maxlength="10" pattern="([0-
9]){10,}" required>
                </div>
                <div class="textbox">
                        <input type="text" placeholder="Destination" name="fdesti"
value="" required>
                </div>
                 <div class="btn">
                        <input name="submit" value="Submit" type="submit">
                </div>
        </form>
    </div>
</body>
</html>
```

**booking.php**

```php
<?php
$con=mysqli_connect('localhost:3306','root','','travel');
$firstname=$_POST['ffirst'];
$lastname=$_POST['flast'];
$email=$_POST['femail'];
$city=$_POST['city'];
$phone=$_POST['fphone'];
$destination=$_POST['fdesti'];
```

```php
$sql="INSERT INTO `booking`(`id`,`ffirst`,`flast`,`femail`,`city`,`fphone`,`fdesti`)
VALUES (0,'$firstname','$lastname','$email','$city','$phone','$destination')";
$result = mysqli_query($con,$sql);
if(isset($_POST['submit'])){
    header('location:booking.html');
}
?>
```

**feedback.php**

```php
<?php
$con = mysqli_connect('localhost:3306', 'root', '', 'travel');
$name = $_POST['name'];
$email = $_POST['email'];
$feedback = $_POST['feedbk'];
$que="INSERT INTO `feedback` (`id`,`name`,`email`,`feedbk`) VALUES
(0,'$name','$email','$feedback')";
$result = mysqli_query($con, $que);
if (isset($_POST['submit'])) {
    header('location:feedback.html');
}?>
```

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