

# **TRAVEL MATE**

## **Web Interface**

**Submitted**

**By**

**Abhinay Chanda, 21ECB0B01, NIT Warangal**

**Ranadheer, 21ECB0B05, NIT Warangal**

**Varun Kishore, 21ECB0B25, NIT Warangal**



**Under the guidance of**

**Prof L. Anjaneyulu**

**Professor**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL**

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WARANGAL - 506004**

**CERTIFICATE**

This is to certify that Abhinay Chanda, Ranadheer, Varun Kishore of Nit Warangal have successfully completed a Project titled “Tour And Travel Mate Details Website”, as part of **Summer Internship Programme** under my guidance at National Institute of Technology, Warangal, Telangana, during 20-05-2024 to 03-07-2024.

**Prof L.Anjaneyulu, ECE**

**Visvesvaraya Centre for Skill Development**

**NIT, Warangal**

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## **1. Abstract:**

The Tour-Project is a web-based application designed to provide users with information and services related to tour and travel packages. The project integrates front-end technologies such as HTML, CSS, and JavaScript with back-end technologies like PHP to manage user interactions and store contact information in a database. This report outlines the development process, components, and functionality of the Tour-Project, offering insights into its implementation and results.

## **2. Problem Statement:**

In the digital age, consumers expect convenience and efficiency in all aspects of their lives, including travel planning. However, traditional travel booking methods often fall short of these expectations due to several key issues:

1. **Inconvenience of In-Person Bookings:** Traditional travel agencies require clients to visit physical locations, which is time-consuming and inconvenient for many people.
2. **Fragmented Information:** Information about tour packages, prices, and availability is often scattered across multiple sources, making it difficult for users to compare options effectively.
3. **Limited Accessibility:** People living in remote areas or those with mobility issues may find it challenging to access travel agency services.

4. **Lack of Real-Time Updates:** Traditional methods do not provide real-time updates on package availability or changes, leading to potential booking conflicts and customer dissatisfaction.
5. **Manual Processing:** Manual handling of inquiries and bookings increases the risk of errors and delays in service delivery.

### **3. Introduction:**

The Tour-Project is an innovative web application designed to revolutionize the way people plan and book their travel experiences. By harnessing modern web technologies, this project offers a comprehensive solution to the challenges faced by traditional travel booking methods.

#### **Objectives:**

- **Enhance User Experience:** Provide a user-friendly interface for searching, comparing, and booking tour packages from any location at any time.
- **Consolidate Information:** Offer a centralized platform with detailed information about various tour packages, including prices, itineraries, and availability.
- **Improve Accessibility:** Ensure the platform is accessible to users regardless of their location or physical capabilities.

#### **Technologies Used:**

- **HTML, CSS, and JavaScript:** Used to create a responsive and interactive front-end.
- **PHP:** Handles backend operations, including form submissions and database interactions.
- **Database:** A relational database securely stores user information and manages data efficiently.

#### **Features:**

- **Search and Filter:** Users can search for tour packages based on destination, price range, and duration.
- **Detailed Information:** Each tour package includes comprehensive details, such as itineraries, images, and customer reviews.

## **4.Components:**

The project consists of the following main components:

- **HTML/CSS/JavaScript:** These technologies are used to build the front-end of the website, ensuring a responsive and interactive user interface.
- **PHP:** This server-side scripting language is used to handle backend operations, including storing and retrieving contact information from the database.
- **Database:** The backend includes a database to store user contact details and other relevant information.

## **5.Theory:**

The Tour-Project leverages several theoretical concepts and architectural patterns to create an efficient and scalable web application. Key among these are the Model-View-Controller (MVC) architecture, responsive web design principles, and secure data management practices.

Model-View-Controller (MVC) Architecture:

The MVC architecture is a software design pattern that separates an application into three interconnected components:

Model: The Model component represents the data and the business logic of the application. In the Tour-Project, the Model is responsible for managing data related

to tour packages, user information, and contact inquiries. This data is stored in a relational database and is accessed and manipulated through PHP scripts.

**View:** The View component is responsible for displaying the data to the user. In the Tour-Project, HTML, CSS, and JavaScript are used to create the user interface, which includes web pages where users can view tour packages, fill out contact forms, and make bookings. The responsive design ensures that the application works well on various devices, providing a consistent user experience.

**Controller:** The Controller component acts as an intermediary between the Model and the View. It processes user inputs, interacts with the Model to retrieve or update data, and updates the View accordingly. In the Tour-Project, PHP scripts handle form submissions, query the database for information, and dynamically generate HTML content to be displayed to the user.

**Responsive Web Design Principles:**

Responsive web design is a key principle in modern web development, aimed at ensuring that web applications provide an optimal viewing experience across a wide range of devices. The Tour-Project incorporates responsive web design by:

**Using Flexible Layouts:** The layout of the web pages is designed using flexible grids and layouts that adjust based on the screen size and orientation of the device.

**Implementing Media Queries:** CSS media queries are used to apply different styles based on the characteristics of the device, such as its width, height, and resolution.

**Flexible Media:** Images and other media elements are scaled and adjusted to fit within their containing elements, ensuring they look good on all devices.

**Secure Data Management Practices:**

The security of user data is a critical concern in web applications, and the Tour-Project implements several best practices to ensure data is handled securely:

**Data Validation and Sanitization:** User inputs are validated and sanitized to prevent SQL injection and cross-site scripting (XSS) attacks. PHP functions are used to validate form data before it is processed or stored in the database.

**Use of Prepared Statements:** Prepared statements are used in PHP to interact with the database, providing a layer of protection against SQL injection attacks.

**Encryption:** Sensitive data, such as passwords and payment information, is encrypted before being stored in the database. This ensures that even if the database is compromised, the data remains protected.

**Secure Communication:** The application uses HTTPS to encrypt data transmitted between the user's browser and the server, protecting it from being intercepted by malicious actors.

**Real-Time Updates:**

The Tour-Project also integrates real-time updates to ensure users have the latest information about tour packages. This involves:

**AJAX (Asynchronous JavaScript and XML):** AJAX is used to send and retrieve data from the server asynchronously without refreshing the web page. This allows the application to provide real-time updates, such as availability of tour packages and dynamic content changes.

**Server-Side Scripting:** PHP scripts are used on the server side to handle AJAX requests, query the database for the latest information, and send responses back to the client.

By incorporating these theoretical concepts and design principles, the Tour-Project provides a robust, user-friendly, and secure platform for users to explore and book tour packages efficiently.

## **6. Working:**

### **1. User Interaction**

- **Home Page:** When users visit the website, they are greeted with a homepage that showcases various tour packages, special offers, and highlights of different destinations. The homepage is built using `index.html` and styled with `css/style.css`.
- **Navigation:** Users can navigate through different sections of the website, such as **About Us**, **Packages**, **Services**, and **Contact Us**, using the navigation menu. Each section provides detailed information and images relevant to the services offered.
- **Tour Packages:** Each tour package page includes images, descriptions, and pricing details. Users can click on specific packages to view more detailed information and itineraries.

## 2. Data Submission

- **Contact Form:** On the Contact Us page, users can fill out a contact form to submit inquiries or request more information about specific tours. This form collects user data such as name, email, phone number, and message.
- **Form Processing:** When the contact form is submitted, the data is sent to the `contact_us.php` script. This PHP script processes the form data and stores it in a MySQL database for future reference and follow-up.
- **Database Interaction:** The `contact_us.php` script connects to the database using credentials provided in the script. It then inserts the submitted data into the appropriate table in the database, ensuring that all inquiries are recorded.

## 3. Dynamic Content

- **JavaScript Interactivity:** The website uses `js/script.js` to enhance user interactivity. For example, it may include code to validate form inputs, handle navigation animations, and dynamically update content without refreshing the page.
- **Dynamic Updates:** Based on user interactions, such as clicking on tour packages or submitting forms, the website updates content dynamically. For instance, after submitting the contact form, users may receive a confirmation message without the need for a full page reload.
- **Responsive Design:** The CSS styles ensure that the website is responsive, providing a seamless experience across different devices and screen sizes. This enhances user engagement and accessibility.

## 4. Additional Functionalities

- **Image Gallery:** The website includes an image gallery showcasing various destinations and tour activities. Users can browse through high-quality images to get a visual sense of the tours offered.
- **Special Offers:** Special offers and discounts are highlighted on the homepage and relevant sections, encouraging users to take advantage of limited-time deals.
- **Customer Testimonials:** Testimonials from past customers are displayed to build trust and credibility. These testimonials can be dynamically fetched from the database and displayed on the website.

## 5. Backend Management

- **Admin Interface:** The project may include an admin interface (not explicitly mentioned in the provided files) where administrators can log in to view and manage contact inquiries, update tour packages, and handle other backend operations.
- **Security:** Basic security measures, such as input validation and SQL injection prevention, are implemented in the PHP scripts to ensure the integrity and security of user data.

## 7. Implementation Details:

### 1. HTML (`index.html`)

This file serves as the main entry point for the website.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Tour Project</title>
    <link rel="stylesheet" href="css/style.css">
</head>
<body>
    <header>
        <nav>
            <ul>
                <li><a href="#home">Home</a></li>
                <li><a href="#about">About Us</a></li>
                <li><a href="#packages">Packages</a></li>
                <li><a href="#services">Services</a></li>
                <li><a href="#contact">Contact Us</a></li>
```

```

        </ul>
    </nav>
</header>

<section id="home">
    <h1>Welcome to Our Tour Services</h1>
    <p>Explore the world with us!</p>
</section>

<section id="about">
    <h2>About Us</h2>
    <p>We provide the best tour packages for you.</p>
</section>

<section id="packages">
    <h2>Tour Packages</h2>
    <!-- Package details go here -->
</section>

<section id="services">
    <h2>Our Services</h2>
    <p>We offer a wide range of services to make your travel experience unforgettable.</p>
</section>

<section id="contact">
    <h2>Contact Us</h2>
    <form action="contact_us.php" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>

        <label for="phone">Phone:</label>
        <input type="tel" id="phone" name="phone" required>

        <label for="message">Message:</label>
        <textarea id="message" name="message" required></textarea>

        <button type="submit">Submit</button>
    </form>
</section>

<script src="js/script.js"></script>
</body>
</html>

```

## 2. CSS (`css/style.css`)

This file styles the website.

```
body {  
    font-family: Arial, sans-serif;  
    margin: 0;  
    padding: 0;  
}
```

```
header {  
    background-color: #333;  
    color: #fff;  
    padding: 1em 0;  
}
```

```
header nav ul {  
    list-style: none;  
    display: flex;  
    justify-content: center;  
}
```

```
header nav ul li {  
    margin: 0 1em;  
}
```

```
header nav ul li a {  
    color: #fff;  
    text-decoration: none;  
}
```

```
section {  
    padding: 2em;  
    text-align: center;  
}  
  
section#home {  
    background: url('../images/home-bg.jpg') no-repeat center center/cover;  
    color: #fff;  
    padding: 5em 0;  
}  
  
form {  
    max-width: 500px;  
    margin: 0 auto;  
  
    text-align: left;  
}  
  
form label {  
    display: block;  
    margin: 0.5em 0 0.2em;  
}  
  
form input, form textarea {  
    width: 100%;  
    padding: 0.5em;  
    margin-bottom: 1em;  
    border: 1px solid #ccc;  
}
```

```

form button {
    display: block;
    width: 100%;
    padding: 0.7em;
    background-color: #333;
    color: #fff;
    border: none;
    cursor: pointer;
}

form button:hover {
    background-color: #555;
}

```

## 4. JavaScript (js/script.js)

This file adds interactivity to the website.

```

// Add JavaScript interactivity here

document.addEventListener("DOMContentLoaded", function() {
    // Example: Smooth scroll to sections
    document.querySelectorAll('a[href^="#"]').forEach(anchor => {
        anchor.addEventListener('click', function(e) {
            e.preventDefault();
            document.querySelector(this.getAttribute('href')).scrollIntoView({
                behavior: 'smooth'
            });
        });
    });
});

```

## 5. Database

Create a MySQL database called `tour_project` and table `inquiries` to store the form submissions.

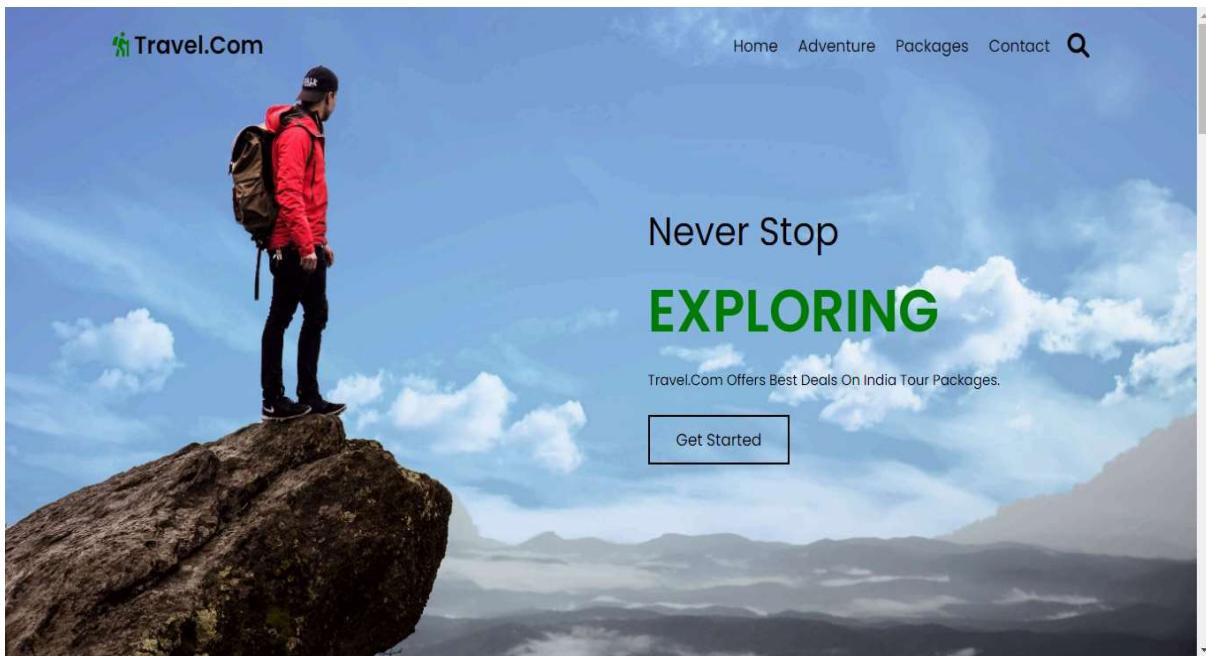
```
CREATE DATABASE tour_project;
```

```
USE tour_project;
```

```
CREATE TABLE inquiries (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100),
    email VARCHAR(100),
    phone VARCHAR(15),
    message TEXT,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);
```

## **8.Result:**

The project successfully provides a functional platform for users to explore and book tour packages. The integration of front-end and back-end technologies ensures a smooth user experience, and the use of a database allows for efficient data management. Screenshots of the website's key pages are provided below:



## Adventure Idea!

**Bungee Jump**

Bungee Jumping Is An Activity That Involves A Person Jumping From A Great Height While Connected To A Large Elastic Cord.

[Read More](#)**Zip Lines**

A Zip-Line, Zip Line, Zip-Wire, Or Flying Fox Is A Pulley Suspended On A Cable, Usually Made Of Stainless Steel, Mounted On A Slope.

[Read More](#)**Canoeing**

Canoeing Is An Activity Which Involves Paddling A Canoe With A Single-Bladed Paddle.

[Read More](#)

## Popular Packages

**Manali Package**

Kullu Manali Shimla Has Always Been A Very Popular Destination For The Old, Young Travelers As Well As Newly Married Couples Who Look For Cheapest Manali Tour Packages & Manali Honeymoon Packages To Experience The Perfect

**Goa Package**

The Most Popular Beach Of Goa, Baga Is Located Close To Calangute Beach, Around 30 Km North Of Panaji. Baga Is Popular For Its Nightlife With Some Very Famous Clubs Such As Brittos, Titos And Mambos. There Is Also A Range Of Water

**Delhi Package**

Boasting Cultural Diversity And Rich Heritage, Delhi Is Home To Several Temples, Tombs, Gardens, Forts, Museums, Markets And More. We Take You To Some Of The Best Spots In The City. Pick The Best Packages From Here

## Contact Us Form

Name \_\_\_\_\_ Message \_\_\_\_\_

Email Address \_\_\_\_\_

Phone \_\_\_\_\_

Subject \_\_\_\_\_

localhost/phpmyadmin/index.php?route=/sql&db=tour&table=contact&pos=0

**phpMyAdmin**

Server: 127.0.0.1 » Database: tour » Table: contact

Browse Structure SQL Search Insert Export Import Privileges Operations More

Showing rows 0 - 0 (1 total). Query took 0.0020 seconds.

SELECT \* FROM `contact`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all Number of rows: 25 Filter rows: Search this table

+ Options S.no Name Email Phone Subject Message

S.no	Name	Email	Phone	Subject	Message
9	Yash	yashsrivastav8115@gmail.com	08115585868	Test	Test 1

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label:  Let every user access this bookmark

Console \ this SQL query

## **9.Literature about similar works:**

Similar projects in the domain of online travel and tour booking include popular platforms like Expedia, TripAdvisor, and Booking.com. These platforms offer comprehensive travel solutions, integrating user reviews, booking options, and personalized recommendations. The Tour-Project draws inspiration from these platforms while focusing on specific user needs and simplified functionality.

## **10.Conclusion:**

The Tour-Project demonstrates the effective use of web technologies to create a user-friendly platform for tour and travel services. By integrating front-end and back-end components, the project provides a seamless experience for users, facilitating easy access to travel information and booking options. Future enhancements could include additional features such as user reviews, payment gateways, and more personalized travel recommendations.

## **11.References:**

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