

TRAVEL PLANNER

A MINI PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

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ABSTRACT:

This document outlines the design and implementation of a database management system (DBMS) for a travel planner project. The DBMS will provide an efficient solution for managing and organizing data such as flight/train schedules, tourist attractions, hotel availability, etc. The travel industry is a rapidly growing and competitive market, with billions of travellers seeking for best and relaxing trips. This project can help in easy managing and organizing of travel related data as mentioned in the abstract. However, managing vast amounts of data can be challenging and time consuming. Thus we are providing a solution by creating a DBMS for travel planner which will help in storing and retrieving travel-related data. A DBMS is necessary for a travel planner to efficiently manage and safeguard the vast amount of data involved in travel services, bookings, customer information, and more, ensuring smooth operations, data security, and scalability as the business grows. This project aims to automate all processes of travel and tourism, including creation, booking, confirmation, and user details. The travel planning management system allows users to book tours from anywhere in the world through a single dynamic website, providing all necessary travel details in a single web application. Administrators can add travel packages, transport services, place management, and hotels to create travel packages. Users can sign in, book travel packages, and even book custom travel packages. The project facilitates easy booking and confirmation by paying for the package, making it a highly accessible platform for travellers.

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1. INTRODUCTION

1.1 INTRODUCTION:

This project, Xplore Hub is your ultimate travel companion for discovering world's top destinations. Our project makes travel planning seamless and enjoyable, offering comprehensive guides to adventure, relaxation, and cultural spots. Customize your itinerary, find travel packages to suit your budget and preferences, and uncover hidden gems. With our user-friendly interface, you can effortlessly plan your journey, book trips and vacations, and explore detailed destination information. Xplore Hub is dedicated to ensuring that every trip you take is memorable and filled with unforgettable experiences. This website offers 24/7 Support our dedicated team is available around the clock to assist you with any questions or concerns before, during, and after your travels. If you still think Why you need to Choose Xplore Hub, this offers, Personalized Services where We believe in going above and beyond to exceed your expectations and create memorable experiences that last a lifetime. Value for Money is our project's biggest personality! Our competitive pricing ensures that you receive exceptional value for every penny spent, without compromising on quality. With Xplore Hub, your journey begins with creating a personalized profile, ensuring that your preferences, interests, and past adventures are securely stored and readily accessible for future trips. Our project offers a curated selection of destinations, personalized itineraries, and expert travel tips to ensure that your trip is nothing short of perfect.

Discover. Plan. Explore.

1.2 OBJECTIVES:

The main objectives are to plan cost-effective, personalized travel experiences for clients while providing excellent customer service, staying updated on travel trends, and maintaining strong vendor relationships.

1.2.1 User-Friendly Interface: Offering a user-friendly and intuitive interface that makes the planning process seamless and enjoyable for users. Easy navigation and attractive design.

1.2.2 Comprehensive Travel Info: Providing comprehensive travel information, including destination details and expert recommendations to help users make informed decisions. In-depth details on destinations and experiences.

1.2.3 Budget Management: Deliver detailed and up-to-date information on destinations, including attractions, activities, accommodations, and local customs to help users make informed decisions with which you can plan your trip within your budget where budget is negotiable with our website by contacting us.

1.3 MODULES:

1.3.1 Login: This module ensures,

1. **USER:** users can login to our website by providing their personal information and get access to different destination packages and other features.
2. **ADMIN:** admins can login by using their username and password and can view enquires confirmed/pending and create, update and delete packages.

1.3.2 Authentication: The user details should be verified in the user tables, if valid, they should be entered into the system and based on the type of user (admin, customer) they can have different access across the website.

1.3.3 Destination Booking: This module allows users to book various activities and tours at their destinations, such as sightseeing tours, adventure sports, or cultural events.

1.3.4 Destination Search: A module where users can search for destinations based on their preferences like family tours, adventure trips, special event tours, etc to book them and users can search for destinations to update them.

1.3.5 Blog: A section where users can read articles and experiences about different destinations, travel hacks, and experiences shared by other travellers.

2.SURVEY OF TECHNOLOGIES

2.1 SOFTWARE DESCRIPTION:

The Travel Planner website is a comprehensive solution developed using HTML, CSS, and JavaScript for the frontend, PHP for the backend, and SQL for database management. This integration of technologies provides a user-friendly interface and an excellent backend, ensuring efficient management of travel planner website. By leveraging the power of HTML, CSS, JavaScript, PHP, and SQL, the travel planner website delivers a user-friendly, efficient, and feature-rich platform for travellers to plan and book their dream vacations. The website incorporates advanced search and filtering options, allowing users to find the perfect destinations, tours, and activities based on their preferences and budget.

2.2 LANGUAGES

The Travel Planner uses HTML, CSS, and JavaScript for a responsive and interactive frontend, PHP for backend logic, and SQL for efficient database management. This technology combination enhances the system's functionality and user experience.

2.2.1 HTML HYPERTEXT MARKUP LANGUAGE (HTML) is used to structure the web pages, defining elements such as forms for enquires, contacting us and tables for displaying pending and confirmed enquires, and contact info. It provides the essential framework for the content and layout, enabling a user-friendly interface.

2.2.2 CASCADING STYLE SHEETS (CSS) is utilized to style and format the user interface elements. It ensures consistency in design across the site, enhances visual appeal, and improves user experience by making the interface more interesting and user-friendly.

2.2.3 JAVA SCRIPT is used for dynamic form validation, interactive elements like sliders, and asynchronous data loading. It enhances user interaction and functionality, improving the overall user experience of the website.

2.2.4 PYTHON is used for backend logic, handling server-side processing, and managing data interactions. It ensures smooth functionality, manages user requests, and facilitates seamless communication with the database, enhancing the overall performance and efficiency of the system.

2.2.5 SQL STRUCTURED QUERY LANGUAGE (SQL) is used to manage the database efficiently. It handles tasks such as storing customer contact details, package records, and enquiry information. SQL queries are employed to retrieve and update data, ensuring smooth operations and reliable data management.

3.REQUIREMENTS AND ANALYSIS

3.1 REQUIREMENT SPECIFICATION:

3.1.1 FUNCTIONAL REQUIREMENTS:

→ **Admin Registration:** Allow admins to create accounts to access the system and view enquires and edit packages, etc.

→ **Trip Planning:** Enable users to plan and organize their trips by selecting destinations, dates, and activities.

→ **Customized Preferences:** Allow users to set preferences for travel types, price ranges, and other personalized options.

→ **Budget Management:** Provide budget for users to manage and track their travel expenses.

→ **Security Features:** Implement security measures to protect user data and ensure safe transactions.

3.1.2 NON-FUNCTIONAL REQUIREMENTS:

→ **Availability:** Ensuring the system is highly available is crucial, especially to prevent unplanned downtime that could lead to significant losses for users.

→ **Usability:** The system should be user-friendly, with simple design and features that make it easy for users to navigate, plan trips, and access information efficiently.

→ **Data Management:** Efficient data storage, retrieval, and management capabilities are crucial to handle large volumes of user data, bookings, and enquires effectively.

→**Compliance:** Ensuring compliance with industry regulations and standards is essential to adhere to data protection laws and security protocols.

→**Auditing:** Implementing robust auditing mechanisms is essential to track system usage, events, and changes, ensuring accountability, traceability, and conflict resolution within the system.

3.2 HARDWARE AND SOFTWARE REQUIREMENTS:

HARDWARE:

→Reliable network infrastructure which allow users to book their trips or contact their queries and for admins to login to create, update, delete any modules.

→Server with efficient interface to store data and information upto several thousand users and admins across different systems.

→Offline access to allow users to access trip details even without an internet connection/cellular network, etc.

SOFTWARE:

This website uses different languages to protect and contain data in it such as,

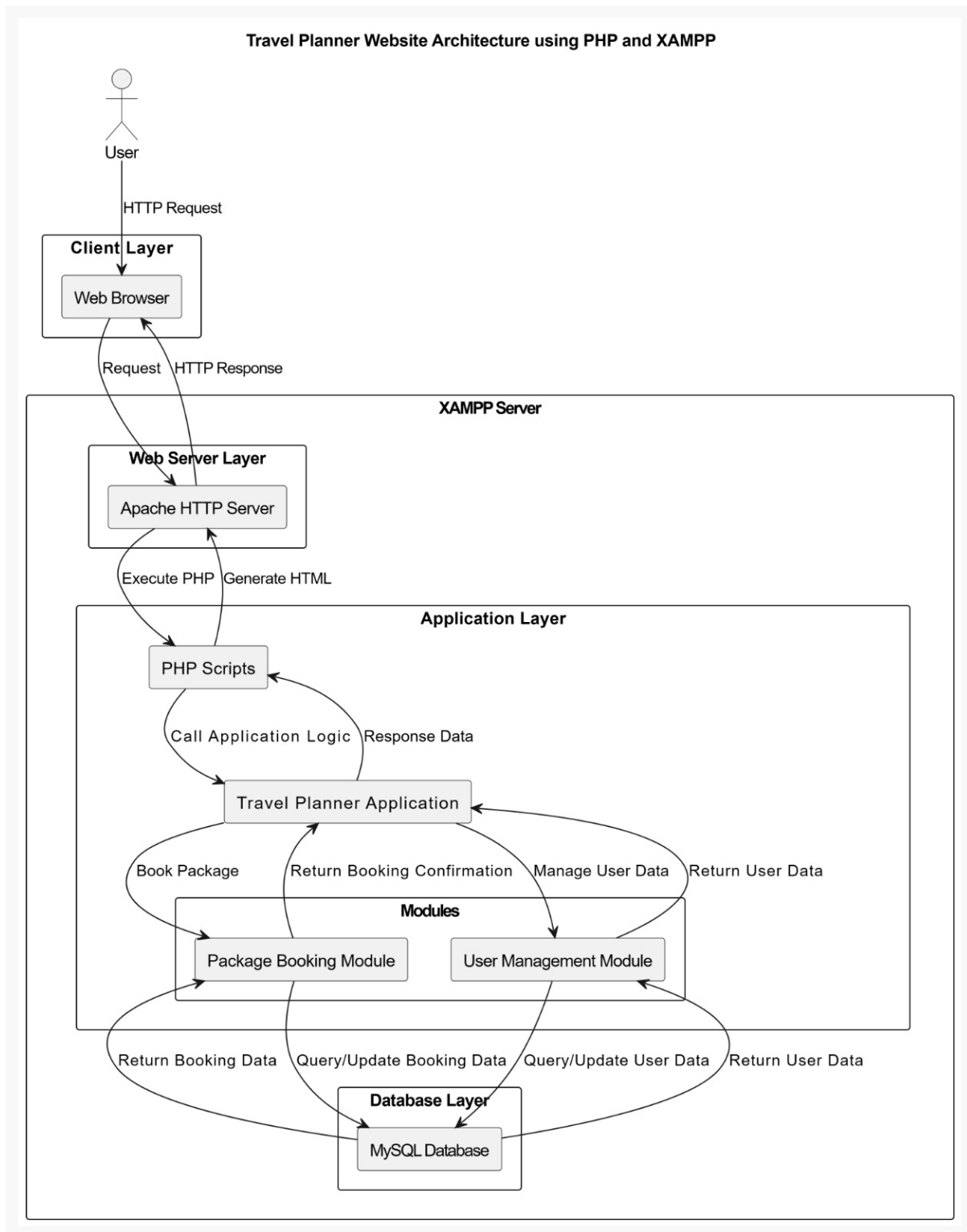
→ For Backend, our website is created using: Python, DBMS (MySQL).

→ For Frontend, our website is created using: HTML/CSS/JS.

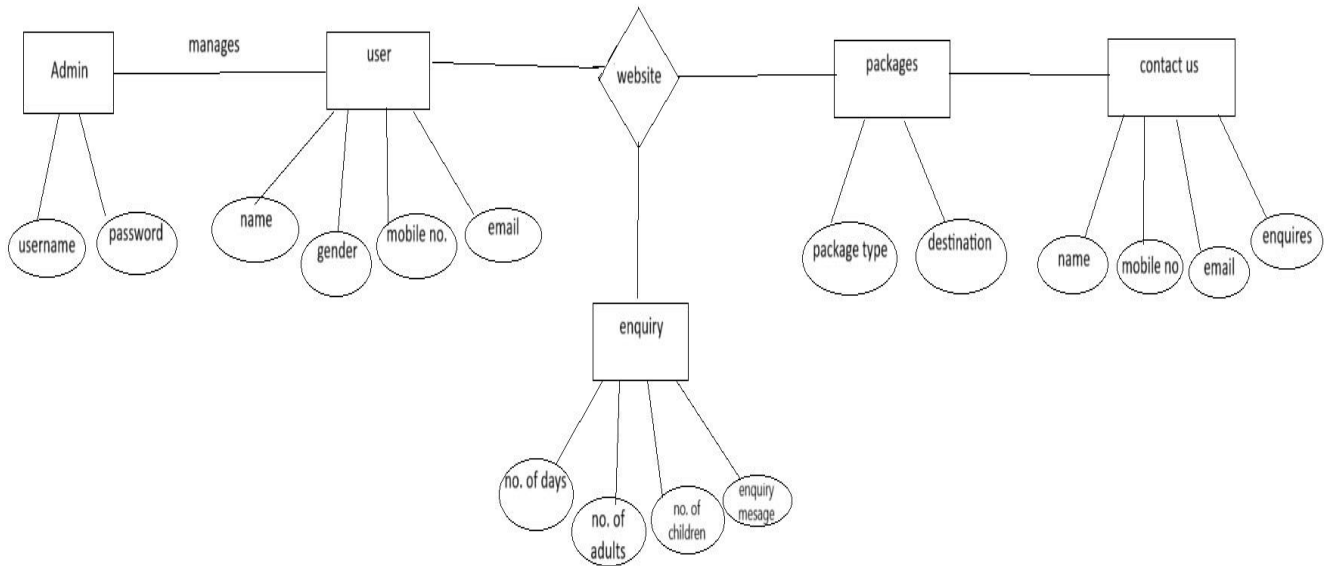
→For creating a database to store data in the system our website uses,

XAMPP: Apache, MySQL for local development.

3.3 ARCHITECTURE DIAGRAM:



3.4 ER DIAGRAM:



4.PROGRAM CODE

Index page:

```
<!DOCTYPE html>

<html>

<head>

<title></title>

<link href="css/bootstrap.css" rel='stylesheet' type='text/css'/>

<link href="css/style.css" rel="stylesheet" type="text/css" media="all"/>

<meta name="viewport" content="width=device-width, initial-scale=1">

<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false);

{ window.scrollTo(0,1); }

</script>

<!--js-->

<script src="js/jquery.min.js"></script>

</head>

<body>

<!--header-->

<!--sticky-->

<?php include('function.php'); ?>

<?php include('top.php'); ?>

<!--/sticky-->

<?php include('slider.php'); ?>

<!--About-->
```

```
<div class="about section" id="section-2">
```

```
<div class="about-head text-center">
```

```
<h3>About Us</h3>
```

```
</div>
```

```
<div class="container">
```

```
<div class="col-md-4 about-grids">
```

```
<h4>Our Vision</h4>
```

```
<p>We believe that travelling broadens the mind and changes the way you think. The people you meet and the experiences you have give you an improved ability to empathise with different situations and people.
```

Travel is the best way to learn about the world and how it works. Our experiences both travelling and working in travel have led us to where we are today, and to Welcome to Travel's Mission Statement, Vision Statement and Values.

```
</p>
```

```
</div>
```

```
<div class="col-md-4 about-grids grid2">
```

```
<h4>Our Mission</h4>
```

```
<p>Dedication to the highest quality of Customer Service delivered with a sense of warmth, friendliness, individual pride, and Company Spirit and To help people around the world plan and have the perfect trip.
```

```
</p>
```

```
</div>
```

```
<div class="col-md-4 about-grids">
```

```
<h4>Safety Information</h4> <p>We ensure our customers safety as our first priority and ensure to help in all unexpected situations with a 24/7 help support. </p>
```



```

</div>

</div>

</div>

<!--/About-->

<!--top-tours-->

<div class="section" id="section-3">

<div id="portfolio" class="portfolio">

<div class="top-tours-head text-center">

<h3>Gallery</h3>

</div>

<ul id="filters" class="clearfix wow bounceIn" data-wow-delay="0.4s">

<li><span class="filter active" data-filter="app card icon logo fun">ALL</span></li>

<li><span class="filter" data-filter="app">Family tours</span></li>

<li><span class="filter" data-filter="card">Adventure Tours</span></li>

<li><span class="filter" data-filter="icon">Special event Tour</span></li>

<li><span class="filter" data-filter="fun"> National parks</span></li>

</ul>

<div id="portfoliolist">

<div class="portfolio card mix_all" data-cat="card" style="display: inline-block; opacity: 1;">

<div class="portfolio-wrapper wow bounceIn" data-wow-delay="0.4s">

<a href="#" class="b-link-stripe b-animate-go thickbox play-icon popup-with-zoom-anim">

</a>

</div>

</div>

```

```

<div class="portfolio app mix_all" data-cat="app" style="display: inline-block; opacity: 1;">

<div class="portfolio-wrapper wow bounceIn" data-wow-delay="0.4s">

<a href="#" class="b-link-stripe b-animate-go thickbox play-icon popup-with-zoom-anim">

</a> </div>

</div>

<div class="portfolio card mix_all" data-cat="card" style="display: inline-block; opacity:
1;">

<div class="portfolio-wrapper wow bounceIn" data-wow-delay="0.4s">

<a href="#" class="b-link-stripe b-animate-go thickbox play-icon popup-with-zoom-anim">

</a>

</div>

</div>

<div class="portfolio icon mix_all" data-cat="icon" style="display: inline-block; opacity:
1;">

<div class="portfolio-wrapper wow bounceIn" data-wow-delay="0.4s">

<a href="#" class="b-link-stripe b-animate-go thickbox play-icon popup-with-zoom-anim">

</a>

</div>

</div>

<div class="portfolio card mix_all" data-cat="card" style="display: inline-block; opacity:
1;">

<div class="portfolio-wrapper wow bounceIn" data-wow-delay="0.4s">

<a href="#" class="b-link-stripe b-animate-go thickbox play-icon popup-with-zoom-anim">

</a> </div>

```

```

</div>

<div class="portfolio fun mix_all" data-cat="fun" style="display: inline-block; opacity: 1;">

<div class="portfolio-wrapper wow bounceIn" data-wow-delay="0.4s">

<a href="#" class="b-link-stripe b-animate-go thickbox play-icon popup-with-zoom-anim">

</a>

</div>

</div>

<div class="portfolio fun mix_all" data-cat="fun" style="display: inline-block; opacity: 1;">

<div class="portfolio-wrapper wow bounceIn" data-wow-delay="0.4s">

<a href="#" class="b-link-stripe b-animate-go thickbox play-icon popup-with-zoom-anim">

</a>

</div>

</div>

<div class="portfolio icon mix_all" data-cat="fun" style="display: inline-block; opacity: 1;">

<div class="portfolio-wrapper wow bounceIn" data-wow-delay="0.4s">

<a href="#" class="b-link-stripe b-animate-go thickbox play-icon popup-with-zoom-anim">

</a>

</div>

</div>

<div class="clearfix"></div>

</div>

</div>

</div> <!--/top-tours-->

```

```

<div id="section-5" class="contact section">

<div class="contact-head text-center">

<h3>Contact Us</h3>

<br>

<h4 style="color:#000">Plan Your Trip</h4>

<br>

<h5 style="color:#000">Our travel experts can help you book now</h5>

<div class="contact-grids">

<div class="container">

<div class="col-md-4 address">

<h4 style="color:#09F"></h4>

<p style="color:#000"><br/>

</p>

<br/>

</div>

<div class="col-md-8 contact">

<?php
if(isset($_POST["sbmt"]))
{
    $cn=makeconnection();

    $s="insert into contactus(Name,Phno,Email,Message) values('" . $_POST["t1"] . "','" .
    $_POST["t2"] . "','" . $_POST["t3"] . "','" . $_POST["t4"] . "')";

    mysqli_query($cn,$s);

    mysqli_close($cn);

```

```

echo "<script>alert('Record Save');</script>";

}

?>

<form method="post">

    <table border="0" width="700px" height="500px">

        <tr><td align="left"> <input type="text" class="text" value=" Name" name="t1"
onFocus="this.value = ';" onBlur="if (this.value == ' ') {this.value = 'Your Name';}" required
pattern="[a-zA-z1 _]{1,50}" title"Please Enter Only Characters and numbers between 1 to 50
for Name"></td></tr>

        <tr><td align="left"><input type="text" class="text" value=" Contact No"
name="t2" onFocus="this.value = ';" onBlur="if (this.value == ' ') {this.value = 'Your Contact
NO';}" required pattern="[0-9]{10,12}" title"Please Enter Only numbers between 10 to 12
for Contact no"></td></tr>

        <tr><td align="left"> <input type="text" class="text" value="Email" name="t3"
onFocus="this.value = ';" onBlur="if (this.value == ' ') {this.value = 'Your mail';}"
required></td></tr>

        <tr><td><textarea onFocus="if(this.value == 'Message') this.value=';" name="t4"
onBlur="if(this.value == ' ') this.value='Enter Message Here';" required/
>Message</textarea></td></tr>

        <tr><td><input type="submit" value="Send message"
name="sbmt"></td></tr></table>

<div class="clearfix"></div>

</form>

</div>

<div class="clearfix"></div>

</div>

</div> <?php include('bottom.php'); ?> </body> </html>

```

Subcategories page:

```
<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title></title>

<link
href='http://fonts.googleapis.com/css?family=Lato:100,300,400,700,900,100italic,300italic,4
00italic,700italic,900italic' rel='stylesheet' type='text/css'>

<link href="stylecss.css" rel='stylesheet' type='text/css'/>

<link href="css/bootstrap.css" rel='stylesheet' type='text/css'/>

<link href="css/style.css" rel="stylesheet" type="text/css" media="all"/>

<meta name="viewport" content="width=device-width, initial-scale=1">

<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){ window.scrollTo(0,1); }
</script>

<!--js-->

<script src="js/jquery.min.js"></script>

<!--/js-->

</head>

<body>

<?php include('function.php'); ?>

<?php include('top.php'); ?>

<!--/sticky--> <br>
```

```

<br>

<br>

<div style="height:50px"></div>

<div style="width:1000px; margin:auto" >

<div style="width:200px; float:left">

<table cellpadding="0" cellspacing="0" width="1000px">

<tr><td style="font-size:30px; color:#09F"><b>Category</b></td></tr>

<?php

$s="select * from category";

$result=mysqli_query($cn,$s);

$r=mysqli_num_rows($result);

//echo $r;

while($data=mysqli_fetch_array($result))

{

    echo "<tr><td style=' padding:5px;'><a
href='subcat.php?catid=$data[0]'>$data[1]</a></td></tr>";

}

?>

</table>

</div>

<div style="width:800px; float:left">

<table cellpadding="0px" cellspacing="0" width="1000px">

<tr><td class="headingText">Subcategories</td></tr>

<tr><td class="paraText" width="900px">

```

```

<table cellpadding="0" cellspacing="0" width="900px">

<?php

$s="select * from subcategory where Catid='" .$_GET["catid"] . "'";

$result=mysqli_query($cn,$s);

$r=mysqli_num_rows($result);

//echo $r;

$n=0;

while($data=mysqli_fetch_array($result))

{

    if($n%3==0)

    {

        ?>

<tr>

<?php }?>

<td>

<table border="0" width="100px" bordercolor="#FF6666">

<tr><td align="center" style="background-color:#60B0E6; color:#FFF"><?php echo
$data[1];?> </td></tr>

<tr><td class="image"></td></tr><br/><br/>

<tr><td align="center" style="background-color:#60B0E6; "><a
href="package.php?subcatid=<?php echo $data[0];?>"><font color="#FFFFFF">View
Detail</font></a></td></tr>

</table>

</td>

```



```
<?php
if($n%3==2)
{
?>

</tr>

<?php
}

$n=$n+1;

}

mysqli_close($cn);

?>

</table>

</td></tr></table>

</div>

</div>

<div style="clear:both"></div>

<?php include('bottom.php'); ?>

</body>

</html>
```

5.RESULTS AND DISCUSSION

5.1 HOME PAGE:

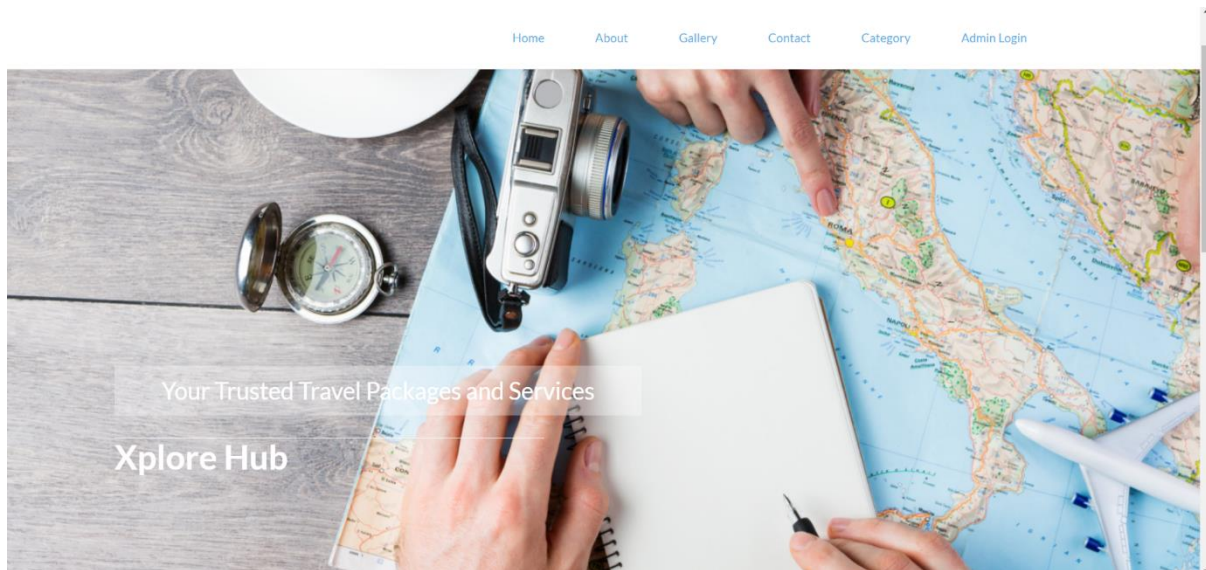


Figure 5.1

5.2 CONTACT US PAGE:

A screenshot of a web application's contact page. The header is identical to the home page, with links: Home, About, Gallery, Contact, Category, and Admin Login. The main content area has a heading "Contact Us" in blue, followed by the sub-heading "Plan Your Trip" and a line of text: "Our travel experts can help you book now". Below this is a contact form with four input fields: "Name", "Contact No", "Email", and a larger "Message" text area.

Figure 5.2

5.3 CATEGORIES PAGE:

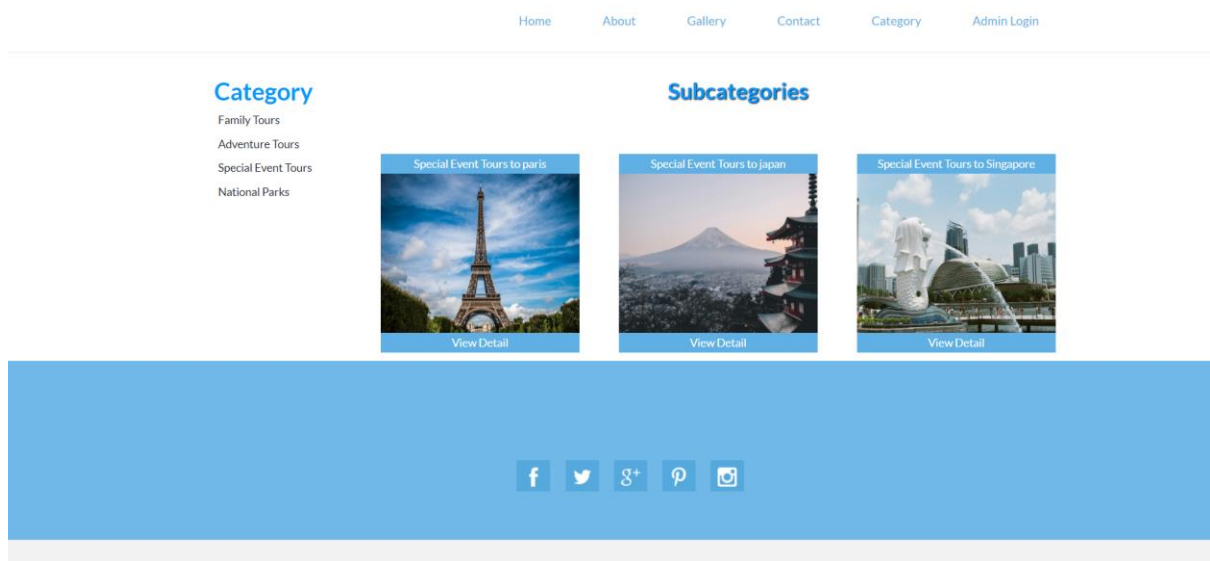


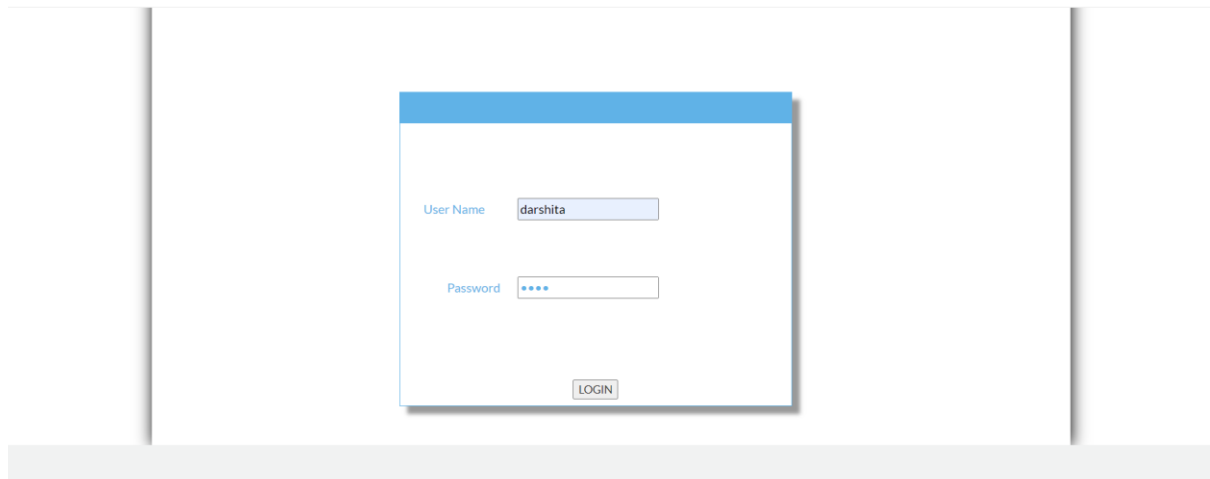
Figure 5.3

5.4 ENQUIRY PAGE:

The screenshot shows the 'Enquiry' page of the website. It features the same navigation bar as Figure 5.3. On the left, the 'Category' list is repeated. The main content area is titled 'Enquiry' and contains a form for submitting a tour enquiry. The form includes the following fields: 'Package Id: 19', 'Pack Name: palace of versailles', 'Name:' (text input), 'Gender:' (radio buttons for Male and Female), 'Mobile No.' (text input), 'Email:' (text input), 'No.of Days:' (text input), 'No.of Children:' (text input), 'No.of Adults:' (text input), and 'Enquiry Message:' (text area). A 'Submit' button is located at the bottom of the form. The page is styled with a blue header and footer.

Figure 5.4

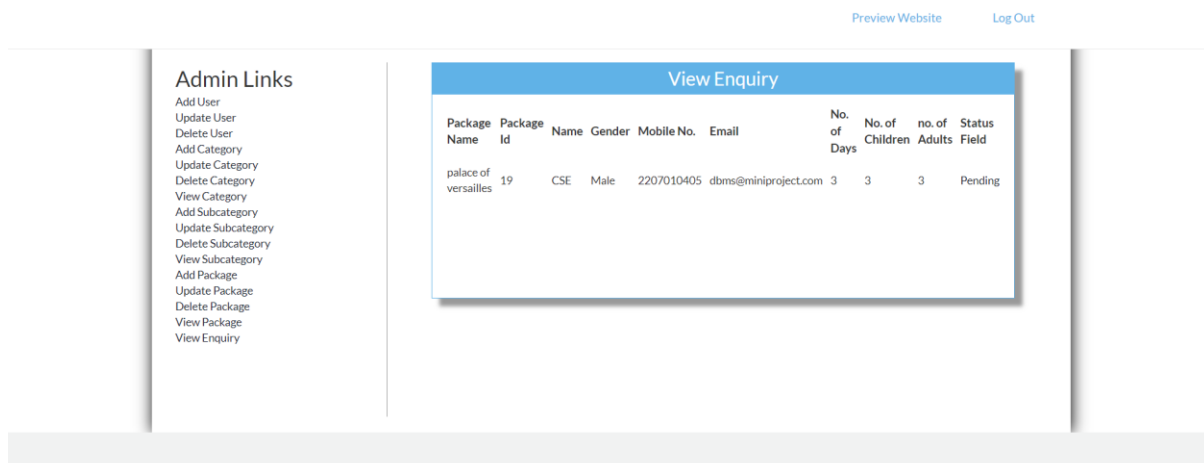
5.5 ADMIN LOGIN PAGE:



A screenshot of the Admin Login page. It features a central white box with a blue header. Inside the box, there are two input fields: 'User Name' with the text 'darshita' and 'Password' with four dots. Below these fields is a 'LOGIN' button. The entire page is set against a light gray background with a subtle shadow effect.

Figure 5.5

5.6 ENQUIRY DATABASE:



A screenshot of the Enquiry Database page. It features a blue header with 'Preview Website' and 'Log Out' links. On the left, there is a sidebar titled 'Admin Links' with a list of actions. The main content area is titled 'View Enquiry' and contains a table with the following data:

Package Name	Package Id	Name	Gender	Mobile No.	Email	No. of Days	No. of Children	no. of Adults	Status Field
palace of versailles	19	CSE	Male	2207010405	dbms@miniproject.com	3	3	3	Pending

Figure 5.6

5.7 DATABASE IN XAMPP:

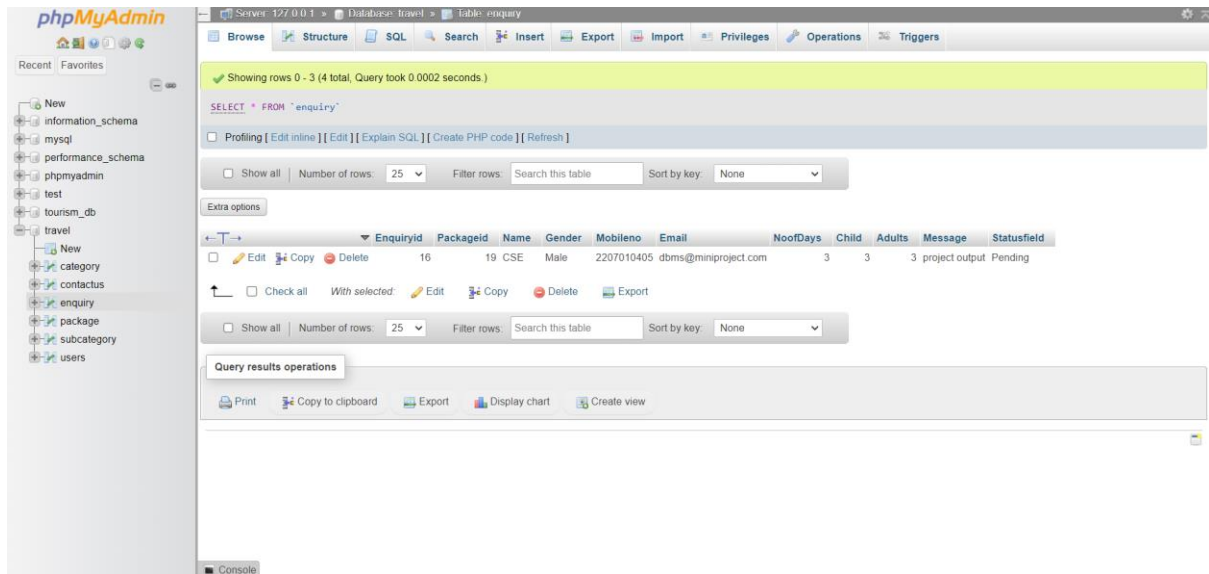


Figure 5.7

6.CONCLUSION

The travel planner website developed in this project provides a comprehensive and user-friendly platform for users to research, plan, and book their travel experiences. By integrating advanced search and filtering options, detailed destination information, and seamless booking capabilities, the website empowers users to create personalized itineraries that cater to their unique preferences and travel styles. The incorporation of social features, such as reviews and recommendations, further enhances the planning process by fostering a sense of trust and community among users. Additionally, the website's real-time updates on travel advisories and flexible customization tools ensure that users can adapt their plans as needed and make the most of their travel experiences. Overall, the travel planner website serves as a valuable digital companion, streamlining the entire trip planning journey and enabling users to explore the world with confidence and ease.

The DBMS for a travel planner project can provides an efficient solution for managing and organizing travel-related data. It has a centralized repository for storing and retrieving travel-related data, such as user information, package details, and destinations offered. This is scalable and will be able to handle large amounts of data. The DBMS will also be reliable and provide high availability. The DBMS is secure. The website is also easy to use and provide user-friendly interfaces. The DBMS is efficient and provide fast query response times. This website is designed for a specific travel planner project and may not be suitable for other applications. The website is implemented using SQL programming.

Moving forward, the project can be further enhanced through the implementation of a loyalty program, customer review system, and integration with additional travel APIs to provide users with an even more comprehensive and personalized travel planning experience.

7.REFERENCES

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