Front-End UI/UX Mini Project

Submitted By:

Topic Name: Holiday Planner

Group Members: Albert Liju ,John Joby C ,Johny Anjilvelil Mathew

Roll No.: 2460317,2460380,2460382

College Email Id: albert.liju@btech.christuniversity.in

john.joby@btech.christuniversity.in

johny.anjilvelil@btech.christuniversity.in

College Name: CHRIST(Deemed To Be University)

Date Of Submission: 26 September,2025

Submitted To:

Faculty Name: Mrs.Nageveena

1. Introduction

The **Holiday Planner** is a web-based application designed to assist users in planning their vacations effectively. It enables travelers to choose destinations, select activities, book accommodation, and arrange transportation options. The platform aims to simplify the holiday planning process by integrating all essential aspects of a trip into a single, user-friendly interface.

2. Objectives

- Provide a one-stop solution for vacation planning.
- Help users explore destinations based on their preferences.
- Offer flexible options for booking accommodation and transport.
- Assist in activity planning and itinerary creation.

- Track expenses and provide an estimated travel budget.
- Ensure accessibility across devices through responsive design.

3. Features

3.1 Destination Search

Users can search for destinations based on their interests such as **beach holidays, mountain adventures, or city explorations**.

3.2 Accommodation and Transport

The system provides options to book **hotels, flights, or other transportation modes**, ensuring convenience and flexibility in travel arrangements.

3.3 Activity Planner

Travelers can browse and select from a variety of **activities** (e.g., sightseeing tours, adventure sports, cultural experiences) based on the chosen destination.

3.4 Trip Itinerary

Users can create and view a **detailed trip itinerary**, including the **dates, times, and schedules** of each selected activity.

3.5 Budget Tracker

The system helps track and calculate the **estimated costs** of flights, accommodation, and activities, ensuring users stay within their travel budget.

3.6 Responsive Design

The platform is developed using **Bootstrap**, ensuring that the website is **mobile-friendly and responsive**, accessible across desktops, tablets, and smartphones.

4. Technologies Used

- **Frontend:** HTML, CSS, JavaScript
- **Frameworks:** Bootstrap (for responsive design)
- **Libraries:** jQuery (for dynamic interactions)

5. Code

index.html

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Holiday Planner</title>

  <link rel="stylesheet" href="style.css">

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

  <!-- Navbar -->

  <nav class="navbar navbar-expand-lg navbar-dark bg-primary">

    <div class="container">

      <a class="navbar-brand" href="#">Holiday Planner</a>

      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">

        <span class="navbar-toggler-icon"></span>

      </button>

      <div class="collapse navbar-collapse" id="navbarNav">

        <ul class="navbar-nav ms-auto">
```

```html
      <li class="nav-item"><a class="nav-link"
href="#destinations">Destinations</a></li>

      <li class="nav-item"><a class="nav-link"
href="#accommodation">Accommodation</a></li>

      <li class="nav-item"><a class="nav-link"
href="#activities">Activities</a></li>

      <li class="nav-item"><a class="nav-link"
href="#itinerary">Itinerary</a></li>

      <li class="nav-item"><a class="nav-link"
href="#budget">Budget</a></li>

    </ul>

   </div>

  </div>

 </nav>


 <!-- Hero Section -->

 <header class="hero">

  <h1>Plan Your Dream Holiday</h1>

  <p>Choose your destination, accommodation, activities, and track your
budget easily!</p>

 </header>


 <!-- Destination Search -->

 <section id="destinations" class="container py-5">

  <h2 class="text-center">Destinations</h2>

  <div class="row mt-4">
```

```html
<div class="col-md-4">

  <div class="card">

    <img src="images/beach.jpg" class="card-img-top" alt="Beach">

    <div class="card-body">

      <h5 class="card-title">Beach</h5>

      <p>Relax on sunny beaches with crystal clear water.</p>

      <button class="btn btn-primary" onclick="selectDestination('Beach')">Choose</button>

    </div>

  </div>

</div>

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

  <div class="card">

    <img src="images/mountains.jpg" class="card-img-top" alt="Mountains">

    <div class="card-body">

      <h5 class="card-title">Mountains</h5>

      <p>Adventure awaits in the high mountains.</p>

      <button class="btn btn-primary" onclick="selectDestination('Mountains')">Choose</button>

    </div>

  </div>

</div>

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

  <div class="card">
```

```html
      <img src="images/city.avif" class="card-img-top" alt="City">

      <div class="card-body">

        <h5 class="card-title">City</h5>

        <p>Explore vibrant city life and culture.</p>

        <button class="btn btn-primary"
onclick="selectDestination('City')">Choose</button>

      </div>

    </div>

  </div>

</section>


<!-- Accommodation & Transport -->

<section id="accommodation" class="bg-light py-5">

  <div class="container">

    <h2 class="text-center">Accommodation & Transport</h2>

    <div class="row mt-4">

      <div class="col-md-6">

        <img src="images/hotel.webp" class="img-fluid rounded" alt="Hotel">

        <h5 class="mt-2">Hotels</h5>

        <p>Select the best hotels for your stay.</p>

      </div>

      <div class="col-md-6">

        <img src="images/flight.webp" class="img-fluid rounded" alt="Flight">
```

```html
        <h5 class="mt-2">Flights</h5>

        <p>Book affordable flights for your journey.</p>

      </div>

    </div>

  </div>

</section>


<!-- Activity Planner -->

<section id="activities" class="container py-5">

  <h2 class="text-center">Activity Planner</h2>

  <p class="text-center">Choose activities based on your destination.</p>

  <ul id="activityList" class="list-group"></ul>

</section>


<!-- Itinerary -->

<section id="itinerary" class="bg-light py-5">

  <div class="container">

    <h2 class="text-center">Trip Itinerary</h2>

    <textarea id="itineraryInput" class="form-control" placeholder="Add your daily plans here..."></textarea>

    <button class="btn btn-success mt-3" onclick="saveItinerary()">Save Itinerary</button>

    <div id="savedItinerary" class="mt-3"></div>

  </div>
```

```html
    </section>


    <!-- Budget Tracker -->

    <section id="budget" class="container py-5">

      <h2 class="text-center">Budget Tracker</h2>

      <input type="number" id="budgetInput" class="form-control mb-2" placeholder="Enter estimated budget">

      <button class="btn btn-warning" onclick="trackBudget()">Track Budget</button>

      <p id="budgetOutput" class="mt-3"></p>

    </section>


    <footer class="bg-dark text-white text-center p-3">

      &copy; 2025 Holiday Planner | Designed by JJ

    </footer>


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

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>
```

style.css

```css
body {
```

```css
  font-family: Arial, sans-serif;

}


.hero {

  background: url("images/img1.avif") center/cover no-repeat;

  color: white;

  text-align: center;

  padding: 100px 20px;

}


.hero h1 {

  font-size: 3rem;

  font-weight: bold;

}


.card img {

  height: 200px;

  object-fit: cover;

}


footer {

  margin-top: 30px;

}
```

script.js

// Select Destination

```javascript
function selectDestination(destination) {

  alert("You selected: " + destination);


  let activityList = document.getElementById("activityList");

  activityList.innerHTML = "";


  let activities = {

    "Beach": ["Swimming", "Surfing", "Beach Volleyball"],

    "Mountains": ["Hiking", "Camping", "Rock Climbing"],

    "City": ["Museum Visit", "Shopping", "Nightlife"]

  };


  activities[destination].forEach(activity => {

    let li = document.createElement("li");

    li.textContent = activity;

    li.classList.add("list-group-item");

    activityList.appendChild(li);

  });

}


// Save Itinerary
```

```
function saveItinerary() {

  let input = document.getElementById("itineraryInput").value;

  document.getElementById("savedItinerary").innerHTML = "<b>Your
Itinerary:</b><br>" + input;

}


// Budget Tracker

function trackBudget() {

  let budget = document.getElementById("budgetInput").value;

  document.getElementById("budgetOutput").textContent = "Estimated Budget:
₹" + budget;

}
```
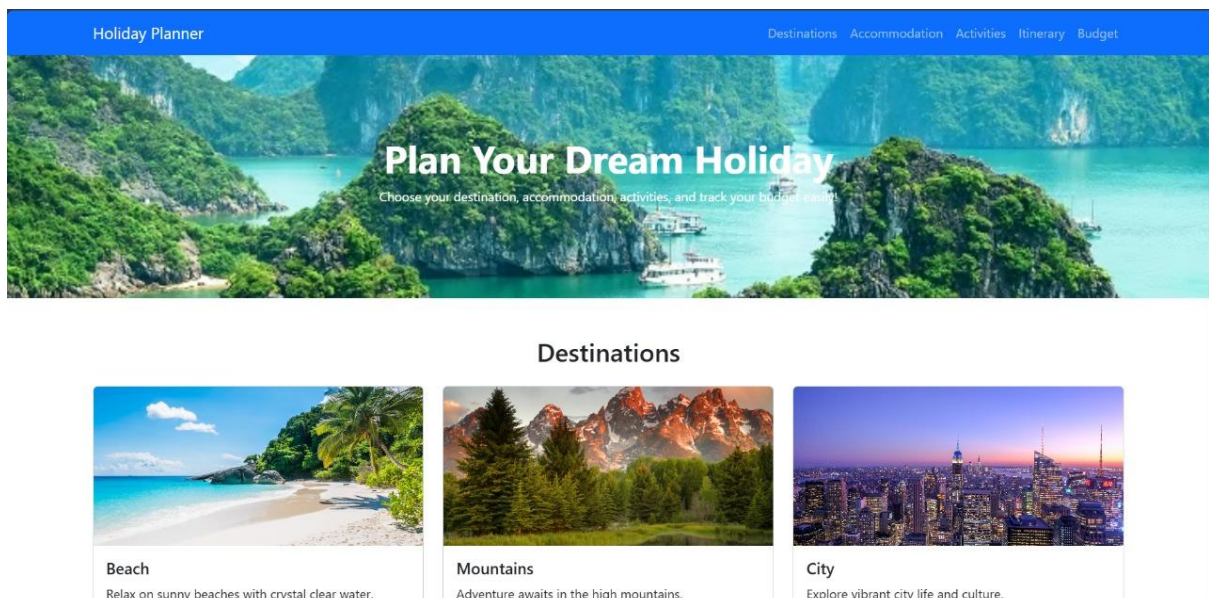
6.Output

Beach	Mountains	City
Relax on sunny beaches with crystal clear water.	Adventure awaits in the high mountains.	Explore vibrant city life and culture.
Choose	Choose	Choose

Accommodation & Transport

Flights

Book affordable flights for your journey.

Hotels

Flights

Book affordable flights for your journey.

Hotels

Select the best hotels for your stay.

Activity Planner

Choose activities based on your destination.

Museum Visit
Shopping
Nightlife

Trip Itinerary

Morning Museum Visit
Evening Shopping

Save Itinerary

Your Itinerary:

Trip Itinerary

Morning Museum Visit
Evening Shopping

Save Itinerary

Your Itinerary:
Morning Museum Visit Evening Shopping Night Party

Budget Tracker

50000

Track Budget

Estimated Budget: ₹50000

7. Benefits

- Simplifies the vacation planning process.
- Saves time by integrating multiple services in one platform.
- Helps manage travel expenses effectively.
- Enhances user experience with a responsive and interactive design.

8. Conclusion

The **Holiday Planner** is an innovative web-based solution that caters to the needs of modern travelers. By integrating **destination search, accommodation booking, activity planning, itinerary management, and budget tracking**, it provides a seamless and efficient way to plan vacations. The use of modern web technologies ensures reliability, responsiveness, and accessibility, making it a practical tool for travelers.