

A FIELD PROJECT REPORT ON

Event Planning management website

Submitted

In partial fulfillment of the requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

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CERTIFICATE

This is to certify that the field project entitled "*Event Planning Management*" is being submitted by P. Jhansi (231FA04444), S. Prema (231FA04506), and S. Meghana (231FA04532) in partial fulfilment of the requirements for the degree of **Bachelor of Technology (B.Tech.) in Computer Science and Engineering** at Vignan's Foundation for Science, Technology and Research (Deemed to be University), Vadlamudi, Guntur District, Andhra Pradesh, India.

This is a bonafide work carried out by the aforementioned students under my guidance and supervision.

Guide

Project Review Committee

HOD, CSE



DECLARATION

Date:

We hereby declare that the work presented in the field project titled “Event Planning Management” is the result of our own efforts and investigations.

This project is being submitted under the supervision of **Mr. G. Murali, Assistant Professor, CSE** in partial fulfillment of the requirements for the Bachelor of Technology (B.Tech.) degree in Computer Science and Engineering at Vignan’s Foundation for Science, Technology and Research (Deemed to be University), Vadlamudi, Guntur, Andhra Pradesh, India.

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TABLE OF CONTENTS

Chapter No.	Contents	Page No.
1	About	5-8
	1.1 abstract	5
	1.2 introduction	6
	1.3 Problem defination	7
	1.4 Existing system	7-8
	1.5 Proposed system	8
	1.6 Literature review.	8
2	System requirements	9-10
	2.1 Hardware & software Requirements.	9
	2.2 Software Requirements Specification (SRS)	10
3	System Design	11-14
	3.1 Modules of system	11
	3.2 UML Diagrams	12-14
4	Implementation	
	4.1 Sample Code	15-23
	4.2 Test Cases	24
5	Results	
	5.1 Output Screens	25-26
6	Conclusion	27
7	References	27

1.ABOUT

1.1 ABSTRACT :-

The Event Management System is a web-based platform developed to streamline and automate the planning, organization, and execution of events such as conferences, weddings, parties, and corporate functions. Event planning typically involves multiple complex tasks—coordinating with venues, vendors, guests, and staff—which are time-consuming, error-prone, and often disjointed when done manually or across multiple platforms. This system is designed to centralize these components into a single, user-friendly interface that enhances user experience and simplifies the entire process.

The system enables users to register and log in securely, after which they can plan events by selecting from a range of venues, themes, and services such as catering, decoration, photography, and more. Users can check real-time availability, compare prices, and customize packages according to their preferences. The platform also provides smart scheduling options, budget estimations, and secure online payment facilities. Event details, status, and booking confirmations are sent via notifications or email to keep users updated.

From the backend, the admin panel allows for efficient management of user data, vendor listings, booking approvals, and analytics. The system uses technologies like HTML5, CSS3, JavaScript for the frontend, and Node.js, Express.js, and MongoDB for the backend. RESTful APIs facilitate smooth communication between the frontend and backend, ensuring a seamless and responsive experience.

Additional features include a user review and rating system to provide transparency and improve service quality. AI-based personalization helps in recommending event ideas, vendors, and packages tailored to user preferences. The system also offers real-time updates, safety alerts, and the option to integrate social media platforms for event promotion.

By reducing the dependency on physical coordination and multiple platforms, the Event Management System saves time, lowers operational costs, and ensures greater accuracy and convenience. It's designed to cater to both individual users and professional event planners, making event management accessible, scalable, and efficient.

In summary, this project aims to revolutionize traditional event planning by leveraging digital technology to provide a complete end-to-end solution. The Event Management System empowers users to plan and manage their events confidently, with ease and precision, leading to successful and memorable occasions.

1.2) INTRODUCTION

In the modern era, the demand for organized, efficient, and memorable events has significantly increased. Whether it's a wedding, birthday celebration, corporate gathering, reception, or any social function, people expect a seamless experience from planning to execution. Traditionally, event planning required extensive manual coordination, involving several service providers, continuous follow-ups, and complex budget management. This often led to miscommunication, overlooked details, budget overruns, or even failed events. To overcome these challenges and bring convenience to event organizers and individuals alike, the **Event Management System** has been developed as a web-based application that simplifies and automates the event planning process.

This system is designed with the objective of providing a one-stop solution where users can log in, enter essential details about their upcoming event, and receive real-time suggestions and cost calculations based on their selections. It enables users to choose from various event types such as weddings, birthday parties, corporate events, receptions, anniversaries, and more. After entering the event date, location, estimated budget, and number of guests, users can opt for additional services like decoration, catering, music, and photography. Each service has a fixed price, and the system calculates the total estimated cost dynamically, giving users immediate insight into the expected expenses.

Built with core web technologies like **HTML5**, **CSS3**, and **JavaScript**, the frontend is responsive, interactive, and user-friendly. The application is divided into intuitive sections: a login screen, an event detail submission form, a service selection area, and a final event summary view. Upon successful submission of event details, the application generates a summary displaying all relevant information including user name, email, event specifics, selected services, and the total cost. This summary provides the user with a clear confirmation and reference for further communication or coordination.

These integrations would allow for advanced features such as user authentication, data storage, event history tracking, admin dashboards, and real-time availability of services or venues. In future enhancements, the application could also incorporate payment gateway integrations to facilitate secure online transactions, mobile app compatibility for convenience on-the-go, and multi-language support to cater to a broader audience.

Additionally, with the integration of AI and machine learning, the system could offer personalized recommendations for services, vendors, and event packages based on user preferences, past data, and trending themes. Real-time communication tools such as chat support with event managers or vendors could also enhance user engagement and service coordination.

In conclusion, the **Event Management System** addresses a real-world need by offering a structured and efficient approach to event planning. It minimizes the complexities of coordination, increases accuracy in budgeting, and enhances the overall experience of organizing events. As technology advances, this system serves as a foundation for developing a more comprehensive and intelligent event management solution that could reshape the future of how events are planned and executed in both personal and professional contexts.

1.3) PROBLEM DEFINITION

Planning and managing events involves a wide range of tasks that require significant time, effort, and coordination. Traditionally, individuals and organizations face challenges in organizing events due to manual processes such as booking venues, selecting services, managing guest lists, budgeting, and coordinating with multiple vendors. These processes often lead to confusion, miscommunication, delays, and budget overruns, ultimately affecting the overall success of the event. Moreover, there is no centralized system for users to visualize and manage all aspects of their event in one place.

The lack of automation and real-time service tracking makes event planning stressful and error-prone. Additionally, clients are often unaware of service costs and face difficulties comparing service options and availability. This results in poor decision-making, inefficient use of resources, and unsatisfactory experiences for both organizers and attendees.

1.4) EXISTING SYSTEMS

Existing Event Planning Platforms

Currently, many platforms assist users in organizing events, managing guests, and hiring services.

Some widely used systems include:

- Eventbrite, Cvent – Allow users to plan, promote, and manage events, especially for professional or large-scale gatherings.
- The Knot, Zola – Specialize in wedding planning, offering tools for vendor booking, RSVP tracking, and budget management.
- Bizzabo, Whova – Provide event marketing, attendee engagement, and analytics tools, commonly used for conferences and expos.

Limitations of the Existing Systems

- Fragmented Services – Many tools focus only on specific types of events or features (e.g., only weddings or only ticketing), requiring users to use multiple platforms for full planning.
- High Complexity – Systems are often designed for professionals or corporations, making them difficult for casual users or individuals to navigate.
- Costly Subscriptions – Some features are locked behind premium plans, which may not be affordable for small events.
- Lack of Real-Time Cost Estimation – Users are unable to instantly view total costs as they select services.

1.5) PROPOSED SYSTEM

- All-in-One Event Planning – Allows users to plan events, book services (catering, music, decoration, photography), and manage guest details in one platform.
- Smart Cost Estimation – Instantly calculates the total estimated cost based on selected services and budget input.
- User-Friendly Interface – Simple and intuitive forms to gather event and personal information with minimal effort.
- Service Selection with Real-Time Preview – Lets users choose additional services with live cost updates for better planning.
- Personalized Summary – Generates a complete summary of the event including user details, selected services, and total budget.

1.6) LITERATURE REVIEW

Event management plays a vital role in organizing successful social, corporate, and personal events. With the growing demand for customized experiences, there has been a significant shift toward digital platforms that simplify planning and coordination.

Scattered Information – Users often rely on multiple websites or service providers for managing different aspects of events like venue booking, catering, decoration, and guest management.

Lack of Personalization – Many existing platforms provide generic solutions without understanding the specific needs, preferences, or budget constraints of the user.

Limited Integration – Services like cost calculation, vendor availability, and event tracking are rarely integrated, causing delays and confusion during planning.

Inadequate User Experience – Traditional systems lack intuitive user interfaces and real-time service customization, making the planning process tedious and time-consuming.

Minimal Feedback Mechanism – Existing systems do not prioritize user feedback or service reviews, limiting transparency and trust in service providers.

This project addresses these challenges by offering an all-in-one, user-friendly event planning platform that integrates essential services, cost estimation, and a real-time summary, aiming to make event management more efficient, transparent, and enjoyable.

2.SYSTEM REQUIREMENTS

2.1) HARDWARE AND SOFTWARE REQUIREMENTS

HARDWARE REQUIREMENTS :

Minimum Requirements:

- Processor : Intel Core i3
- RAM: 4GB
- Storage: 20GB free space
- Internet: Required for online access

Recommended Requirements:

- Processor: Intel Core i5/i7
- RAM: 8GB+
- Storage: 50GB+
- Internet: High-speed connection for smooth browsing and bookings

SOFTWARE REQUIREMENTS

- Operating System: Windows 10, macOS, or Linux
- Database: MySQL or PostgreSQL (to store user and travel data)
- Backend: Java, Python (to manage website functions)
- Frontend: HTML, CSS, JavaScript (for website design and interaction)
- Browser: Google Chrome, Firefox, or Safari (latest versions)

2.2) SOFTWARE REQUIREMENTS SPECIFICATIONS

FUNCTIONAL REQUIREMENTS:

- User Registration & Login – Allow users to securely create an account and log in to access event planning features.
- Event Details Input – Users can input event type, date, location, budget, and number of guests.
- Service Selection – Provide options to choose additional services like decoration, catering, music, and photography.
- Cost Estimation – Calculate total event cost based on budget and selected services in real-time.
- Event Summary Display – Show a detailed summary of the planned event after submission.
- Form Validation – Ensure all fields are properly filled out before submission.

NON-FUNCTIONAL REQUIREMENTS:

1. **Fast Performance** – The system should respond quickly to user interactions and calculations.
2. **Security** – Protect user credentials and personal information using secure data handling.
3. **Compatibility** – Fully functional across modern web browsers and responsive on desktops, tablets, and mobile devices.
4. **User-Friendly Interface** – Simple, intuitive design for ease of use by all age groups.
5. **Scalability** – The system should handle multiple users and large-scale event data efficiently.

3.SYSTEM DESIGN

3.1 Modules of Systems:

- 1. User Interaction** – Users can browse event types, input details, and explore available services using an intuitive interface.
- 2. Search & Filters** – Allows filtering venues and service providers based on location, budget, date, and event type.
- 3. Booking & Payment** – Facilitates secure reservations and online payment options for venues and services via gateways like Razorpay or PayPal.
- 4. Content Display** – Uses HTML, CSS, and JavaScript to showcase event service details, packages, galleries, and client testimonials.
- 5. Personalized Event Planner** – Provides AI-based suggestions for themes, vendors, and schedules based on user preferences.
- 6. User Reviews & Feedback** – Enables users to review and rate vendors, venues, and services post-event.
- 7. Admin Panel** – Controls backend operations like managing users, vendors, bookings, feedback, and overall system data.
- 8. Real-Time Updates** – Offers live booking status, availability updates, and notifications to users.
- 9. Social Media Integration** – Users can share planned events or reviews through platforms like Instagram, Facebook, and WhatsApp.
- 10. Offline Access** – Users can download event summaries, invoices, and checklists for offline reference.

These modules ensure smooth event planning with a focus on personalization, real-time management, and user convenience.

3.2 UML Diagrams

1. **Use Case Diagram** :- A Use Case Diagram is a behavioral UML diagram that represents the interactions between users (actors) and a system. It visually depicts the system's functionality by illustrating various use cases, actors, and their relationships

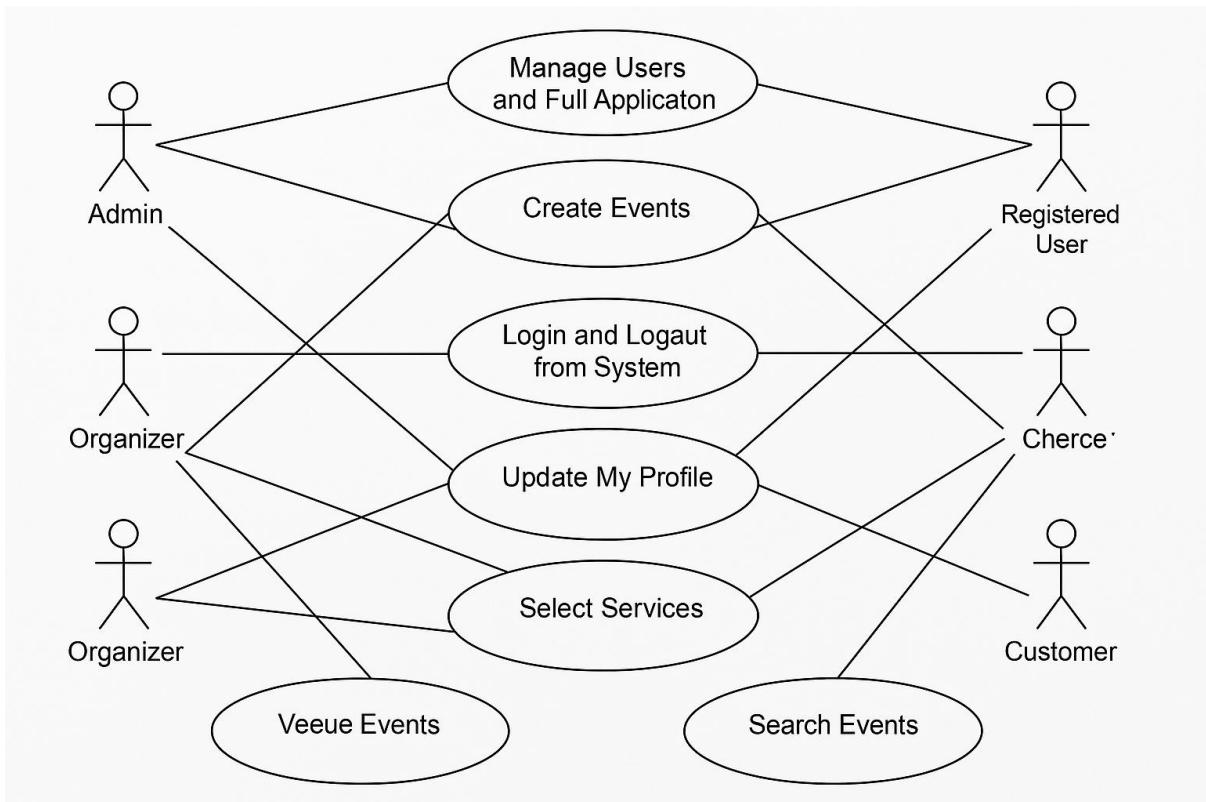


FIG 3.2.1(use case diagram)

2. Activity Diagram :-An Activity Diagram is a behavioral UML diagram that represents the flow of activities within a system. It visually depicts the step-by-step execution of processes, showing the sequence of actions, decision points, parallel processes, and loops

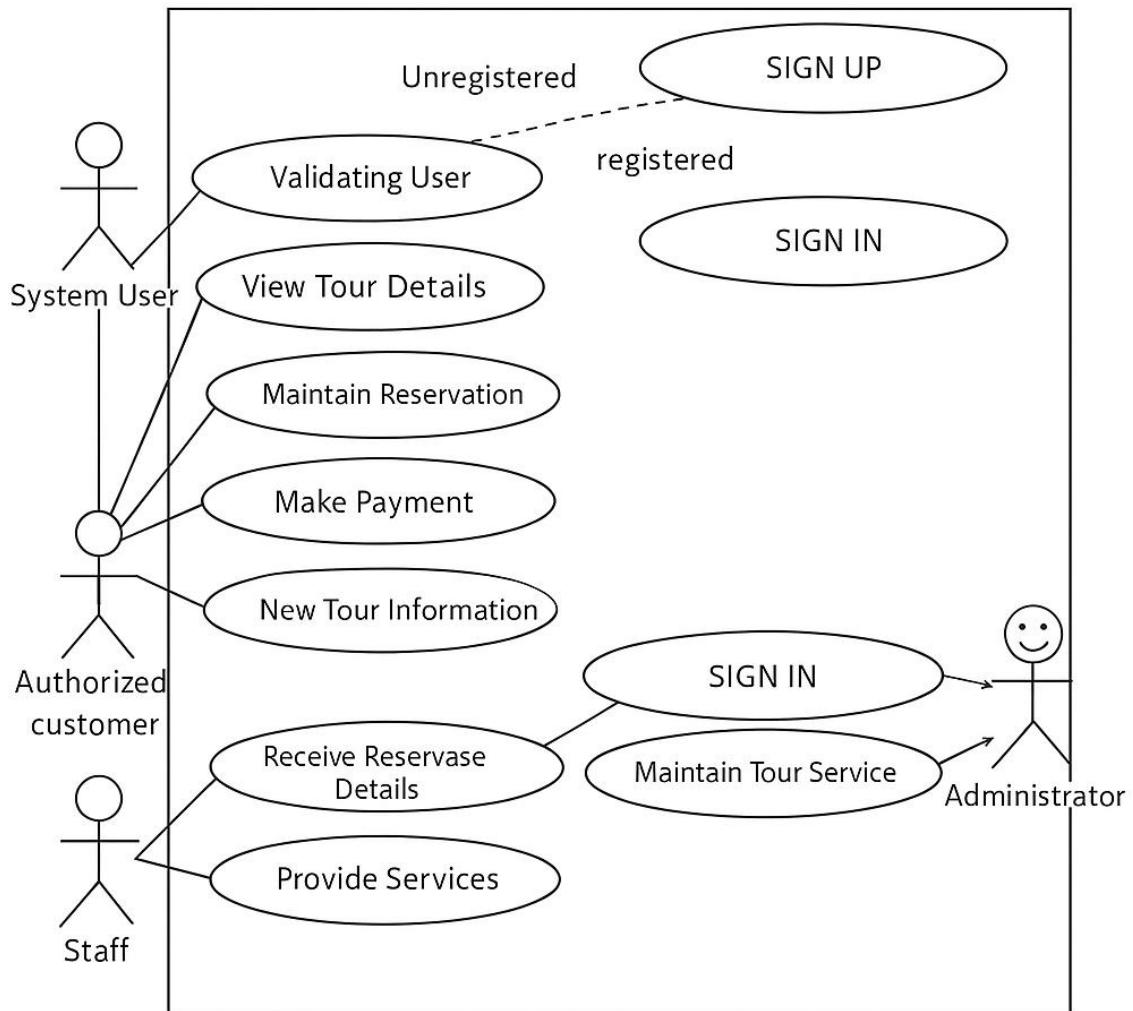


FIG 3.2.2(Activity diagram)

3. Class Diagram :-

A Class Diagram is a structural UML diagram that represents the static structure of a system by showing its classes, attributes, methods, and relationships among objects. It is widely used in object-oriented design to define the blueprint of a system.

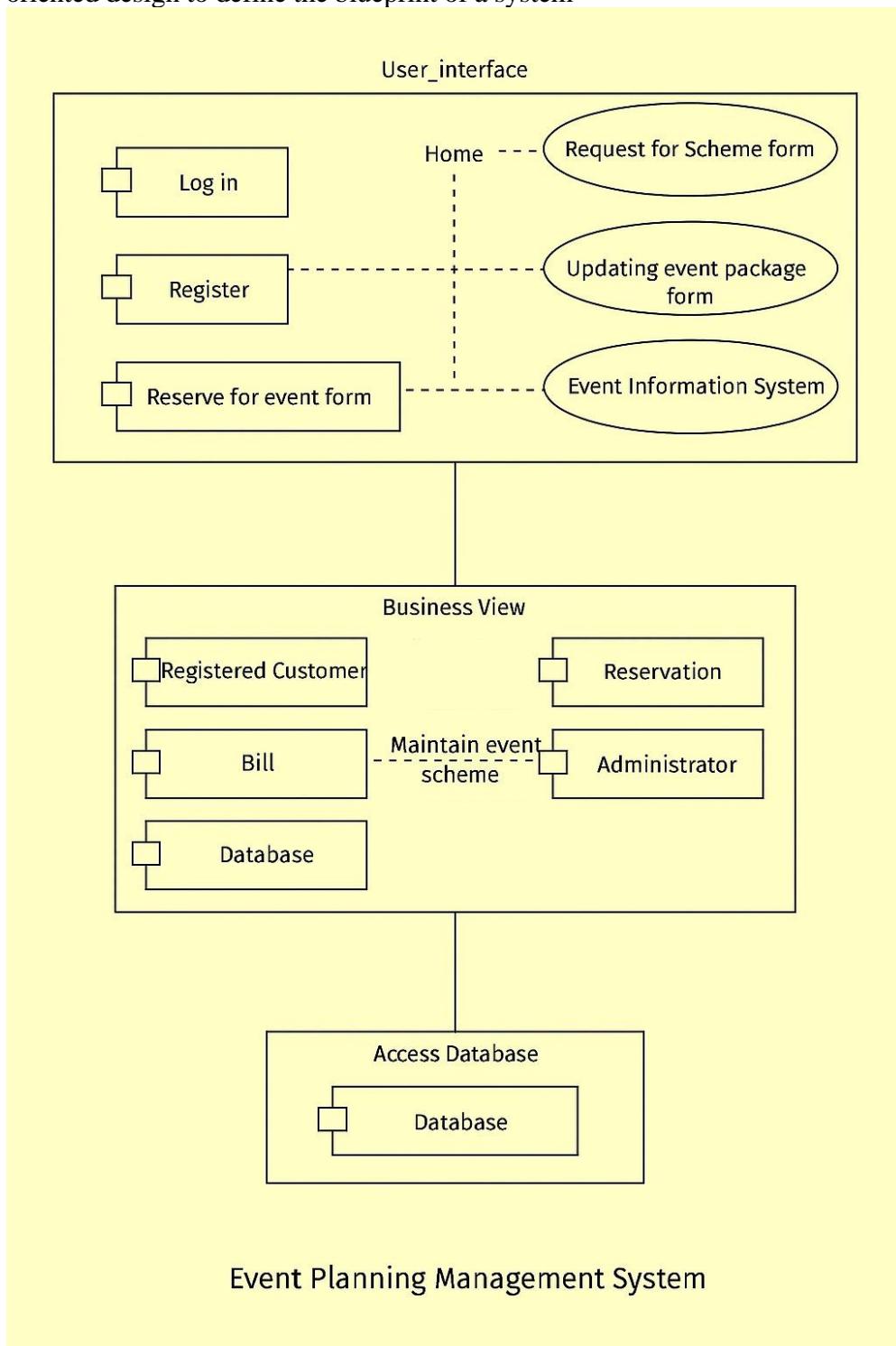


FIG 3.2.3(class diagram)

4. IMPLEMENTATION

4.1 Sample Codes

1. Body of the code

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Event Planning Management</title>
    <link rel="stylesheet" type="text/css" href="mstyles.css">
</head>
<body>

<header>
    <h1>Event Planning Management System</h1>
</header>

<main>
    <section id="step1" class="login">
        <form id="loginForm">
            <label for="customerName">Full Name:</label>
            <input type="text" id="customerName" placeholder="Enter your full name" required>

            <label for="customerEmail">Email Address:</label>
            <input type="email" id="customerEmail" placeholder="Enter your email" required>

            <label for="customerPassword">Password:</label>
            <input type="password" id="customerPassword" placeholder="Enter your password" required>
    </section>
</main>
```

```
<button type="submit">Login & Continue</button>
</form>
</section>

<section id="step2" class="login hidden">
<form id="eventDetailsForm" style="border-color: rgba(255, 105, 105, 0.929);">
    <label for="eventDate">Event Date:</label>
    <input type="date" id="eventDate" required>

    <label for="eventLocation">Event Location:</label>
    <input type="text" id="eventLocation" placeholder="Enter event location" required>

    <label for="eventBudget">Estimated Budget (₹):</label>
    <input type="number" id="eventBudget" placeholder="Enter your budget" min="1" required>

    <label for="eventType">Type of Event:</label>
    <select id="eventType" required>
        <option value="" disabled selected>-- Select Event Type --</option>
        <option value="Birthday Party">Birthday Party</option>
        <option value="Wedding">Wedding</option>
        <option value="Reception">Reception</option>
        <option value="Corporate Event">Corporate Event</option>
        <option value="Baby Shower">Baby Shower</option>
        <option value="Anniversary">Anniversary</option>
    </select>

    <label for="guestCount">Expected Number of Guests:</label>
    <input type="number" id="guestCount" placeholder="Enter number of guests" min="1" required>

<div class="login services-container">
```

```

<strong>Select Additional Services:</strong><br>

    <label><input type="checkbox" class="service-checkbox" value="Decoration" data-
price="7000"> Decoration (₹7,000)</label><br>

    <label><input type="checkbox" class="service-checkbox" value="Catering" data-
price="5000"> Catering (₹5,000)</label><br>

    <label><input type="checkbox" class="service-checkbox" value="Music" data-
price="4000"> Music (₹4,000)</label><br>

    <label><input type="checkbox" class="service-checkbox" value="Photography" data-
price="10000"> Photography (₹10,000)</label>

    <p id="totalCost">Total Cost: ₹<span id="calculatedCost">0</span></p>
</div>

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

<div id="final-details" class="hidden">
    <h2>Event Summary</h2>
    <p><strong>Customer Name:</strong> <span id="displayName"></span></p>
    <p><strong>Email:</strong> <span id="displayEmail"></span></p>
    <p><strong>Event Type:</strong> <span id="displayEventType"></span></p>
    <p><strong>Event Date:</strong> <span id="displayEventDate"></span></p>
    <p><strong>Event Location:</strong> <span id="displayEventLocation"></span></p>
    <p><strong>Estimated Budget:</strong> ₹<span id="displayBudget"></span></p>
    <p><strong>Expected Guests:</strong> <span id="displayGuests"></span></p>
    <p><strong>Selected Services:</strong> <span id="displayServices"></span></p>
    <p><strong>Total Estimated Cost:</strong> ₹<span id="displayTotalCost"></span></p>
</div>
</main>

<script src="mscript.js" defer>
```

```
</script>
```

```
</body>
```

```
</html>
```

2. Javascript

```
document.getElementById("loginForm").addEventListener("submit", function(event) {  
    event.preventDefault();  
    const name = document.getElementById("customerName").value;  
    const email = document.getElementById("customerEmail").value;  
    sessionStorage.setItem("customerName", name);  
    sessionStorage.setItem("customerEmail", email);  
    document.getElementById("step1").classList.add("hidden");  
    document.getElementById("step2").classList.remove("hidden");  
});  
  
const serviceCheckboxes = document.querySelectorAll(".service-checkbox");  
const budgetInput = document.getElementById("eventBudget");  
const calculatedCost = document.getElementById("calculatedCost");  
  
function updateTotalCost() {  
    let baseCost = parseInt(budgetInput.value) || 0;  
    let additionalCost = 0;  
    serviceCheckboxes.forEach((checkbox) => {  
        if (checkbox.checked) {  
            additionalCost += parseInt(checkbox.getAttribute("data-price"));  
        }  
    });  
    calculatedCost.textContent = baseCost + additionalCost;
```

```

}

serviceCheckboxes.forEach((checkbox) =>
  checkbox.addEventListener("change", updateTotalCost)
);

budgetInput.addEventListener("input", updateTotalCost);

document.getElementById("eventDetailsForm").addEventListener("submit", function(event) {
  event.preventDefault();
  const eventDate = document.getElementById("eventDate").value;
  const eventLocation = document.getElementById("eventLocation").value;
  const budget = document.getElementById("eventBudget").value;
  const eventType = document.getElementById("eventType").value;
  const guestCount = document.getElementById("guestCount").value;

  const selectedServices = [];
  let totalCost = parseInt(budget) || 0;
  serviceCheckboxes.forEach((checkbox) => {
    if (checkbox.checked) {
      selectedServices.push(checkbox.value);
      totalCost += parseInt(checkbox.getAttribute("data-price"));
    }
  });
  document.getElementById("displayName").textContent =
  sessionStorage.getItem("customerName");
  document.getElementById("displayEmail").textContent =
  sessionStorage.getItem("customerEmail");
  document.getElementById("displayEventType").textContent = eventType;
  document.getElementById("displayEventDate").textContent = eventDate;
  document.getElementById("displayEventLocation").textContent = eventLocation;
  document.getElementById("displayBudget").textContent = budget;
}

```

```
document.getElementById("displayGuests").textContent = guestCount;  
document.getElementById("displayServices").textContent = selectedServices.length > 0 ?  
selectedServices.join(", ") : "None";  
document.getElementById("displayTotalCost").textContent = totalCost;  
  
document.getElementById("step2").classList.add("hidden");  
document.getElementById("final-details").classList.remove("hidden");  
});
```

3. Styles of code

```
body {  
    font-family: Arial, sans-serif;  
    margin: 0;  
    padding: 0;  
    background-color: white;  
    text-align: center;  
    background-image: url(https://eventsempire.in/wp-content/uploads/2024/08/1000266469.jpg);  
    background-repeat: no-repeat;  
    background-size: cover;  
    background-attachment: fixed;  
    background-size: 100% 100%;  
    color: white;  
}  
  
header {
```

```
background: #333;
```

```
color: white;  
padding: 10px;  
}  
  
main {  
width: 50%;  
margin: 100px auto;  
background: transparent;  
  
padding: 3px;  
border-radius: 10px;  
  
border: black double;  
  
}  
  
form {  
display: flex;  
flex-direction: column;  
align-items: center;  
}  
  
label {  
width: 50%;  
text-align: left;  
margin-top: 10px;  
font-weight: bold;  
}  
  
input, select, button {  
width: 50%;
```

```
margin: 5px 0;  
padding: 2px;  
font-size: 16px;  
background-color:white;  
border: black double;  
  
}  
  
button {  
background:rgb(67, 131, 156);  
color: white;  
border: none;  
cursor: pointer;  
border-radius: 5px;  
}  
  
button:hover {  
background: #218838;  
}  
  
.hidden {  
display: none;  
}  
  
.services-container {  
text-align:left;  
align-items: flex-start;  
width: 80%;  
margin: 2px auto;  
background: transparent;  
padding: 15px;
```

```
border-radius: 8px;  
border: 1px solid #ddd;  
}  
  
.services-container label {  
margin: 2px 0;  
font-weight: normal;  
}  
  
#final-details {  
text-align: left;  
margin-top: 30px;  
padding: 20px;  
background: transparent;  
color: rgb(38, 2, 71);  
border-radius: 10px;  
}  
  
#totalCost {  
font-weight: bold;  
color: #155724;  
margin-top: 10px;  
}  
.login {  
background-color: transparent;  
}
```

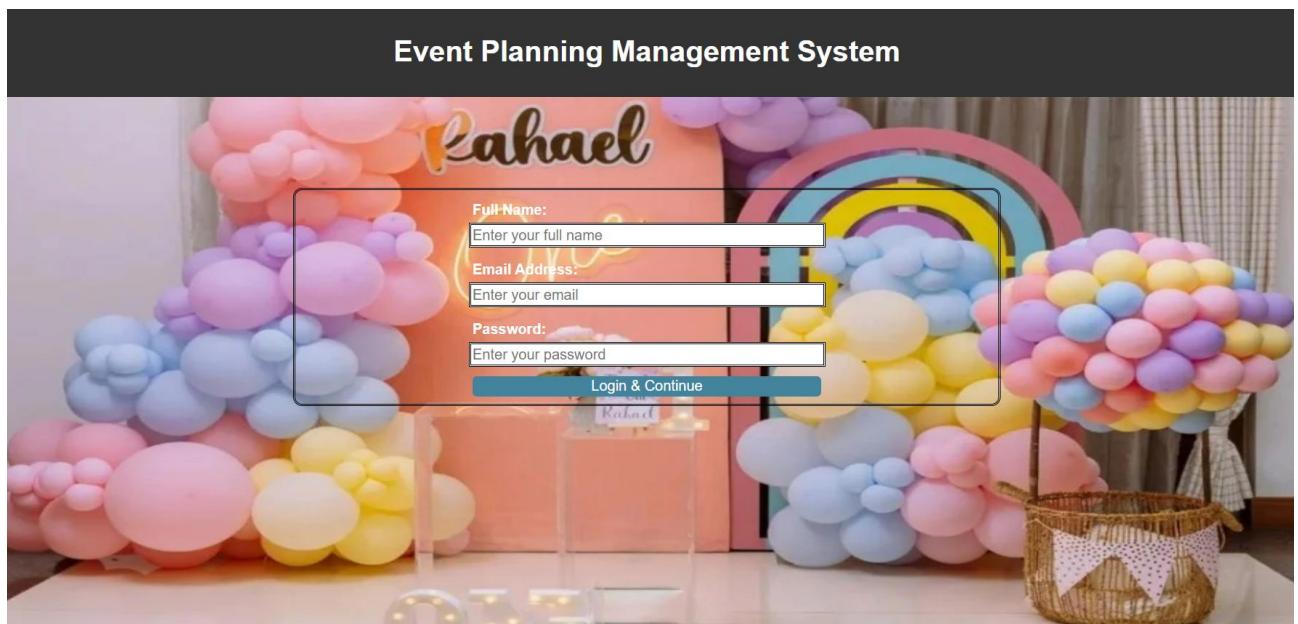
4.2 Test Cases



5.RESULTS

5.1 Output Screens

5.1.1) Home Page :-



5.1.2) Event bookingPage

Event Planning Management System

The form contains the following fields:

- Event Date:** 22-03-2025
- Event Location:** guntur
- Estimated Budget (₹):** 800000
- Type of Event:** Reception
- Expected Number of Guests:** 500

Select Additional Services:

- Decoration (₹7,000)
- Catering (₹5,000)
- Music (₹4,000)
- Photography (₹10,000)

Total Cost: ₹804000

Submit Event Details

5.1.3) Details of the Event Page



6.CONCLUSION

The tourism website simplifies the entire travel planning process by offering essential features like destination search, hotel and flight bookings, and visa information — all in one place. It ensures a seamless and user-friendly experience with secure payment options and real-time updates for travelers.

With personalized recommendations, users can make smarter travel choices tailored to their interests and budget. Built-in safety features provide reliable travel advisories and responsive customer support for peace of mind.

This system ultimately enhances user convenience, saves time, reduces travel costs, and makes the entire journey — from planning to exploring — more enjoyable, efficient, and stress-free.

7. References

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 - International Live Events Association (ILEA) – <https://www.ileahub.com>
 - Event Manager Blog – <https://www.eventmanagerblog.com>
2. Web Development & Design
 - Mozilla Developer Network (MDN) – <https://developer.mozilla.org>
 - W3Schools – <https://www.w3schools.com>
3. Calendar and Booking APIs
 - FullCalendar – <https://fullcalendar.io>
 - Google Calendar API – <https://developers.google.com/calendar>

Github Link: