



## Event Vendor System

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### **Abstract:**

The Event Vendor System is a web-based event management portal that simplifies organizing and managing events digitally. It allows users to create customized submission forms, register participants, manage guest lists, assign tasks to volunteers, and monitor revenue collection. The platform provides admins and event managers with easy access to event information, participant data, and feedback management. Users can book and manage events remotely from any device, making the process convenient and hassle-free. The system reduces paperwork and manpower by automating event-related activities such as invitations, confirmations, reminders, and alerts. Overall, it offers an efficient, accessible, and user-friendly solution for smooth event management.

### **Keywords:**

Full Stack Web Development, Responsive Web Application, Database Management System, Online Booking System, Participant Registration, Task & Volunteer Management, Vendor & Client Management

### **Introduction:**

The Online Event Vendor System is a web-based application designed for event managers, organizers, and planners to manage events efficiently. It allows users to register, log in, select event types, choose venues, dates, timings, and required equipment online. All booking and customer details are securely stored in a database and shared with the administrator for further coordination. The system helps customers and vendors collaborate easily by providing quotations, managing event requirements, and handling bookings digitally. It reduces manual work and improves communication between clients and event organizers. Overall, the platform provides a simple, efficient, and professional solution for modern event management.

## Literature Review :

- **Definition of Event :** An event is a public gathering organized for celebration, education, marketing, or social interaction. Events may include weddings, seminars, workshops, fairs, and competitions.
- **Types of Events :** Events are classified based on size, type, and purpose. They can be social events, educational events, business events, or promotional activities.
- **Quality in Event Management:** Quality in event management refers to the level of excellence and satisfaction provided to participants. It depends on proper planning, coordination, and service delivery.
- **Events as Service Experiences:** Events include both tangible elements like food and products, and intangible experiences. These experiences are temporary, unique, and consumed at the same time they are created.
- **Challenges in Event Management:** Managing events is difficult because every event is different and unpredictable. Even with proper planning, each event creates a new and unique experience.

The literature review focuses on understanding event management and its importance in organizing successful events. It explains how proper planning, quality service, and customer satisfaction play a major role in improving event experiences. The study also highlights the challenges and uniqueness involved in managing different types of events effectively.

## Proposed Work:

- Allow users to register, log in, and book different types of events through the web portal.
- Enable customers to select event date, venue, time, decoration, catering, and other required services.
- Store customer booking details and event information securely in the database for easy management.
- Provide an admin dashboard to manage events, vendors, bookings, participants, and customer inquiries.
- Send booking confirmations, notifications, and updates automatically to users and event organizers.

## Methodology :

- **User Registration & Login:** Users create accounts and securely log in to access event booking services.
- **Event Selection:** Customers select event type, venue, date, time, decoration, catering, and other required services.
- **Database Management:** All booking details, customer information, and vendor records are stored and managed in the database.
- **Admin Module:** Admin can manage events, vendors, bookings, customer requests, and event status through a dashboard.
- **Notification System:** The system sends booking confirmations, reminders, and updates to customers and event organizers.
- **Vendor Coordination:** Vendors receive event requirements and quotations to ensure smooth communication and service management.
- **Output:** The web portal displays booking details, payment status, event schedules, and customer confirmations in real time.

**Objective :**

- To provide an online platform for customers to book and manage events easily from anywhere.
- To simplify event planning by allowing users to select venues, catering, decoration, and other event services online.
- To maintain secure records of customers, vendors, bookings, and event details in a centralized database.
- To help administrators manage events, vendors, customer requests, and payments efficiently through an admin panel.
- To automate notifications, booking confirmations, and updates for better communication between customers and organizers.
- To reduce paperwork, save time, and improve the overall efficiency of event management services.



## System Design:

- **User Registration & Authentication:** Allows users and vendors to securely register and log in to the system.
- **Event Booking Module:** Enables users to select event type, venue, date, time, catering, decoration, and other services.
- **Vendor Management:** Manages vendor details, service availability, quotations, and assigned bookings.
- **Payment Integration:** Provides secure online payment options and generates booking confirmations automatically.
- **Admin Dashboard:** Allows administrators to manage users, vendors, bookings, payments, and event details efficiently.
- **User Interface:** Provides an interactive and user-friendly web interface for booking and managing events.
- **Data Storage:** Stores customer details, booking records, vendor information, and payment data in a MySQL database.
- **Technologies Used:** HTML, CSS, JavaScript, PHP/Flask, MySQL, and Bootstrap for frontend, backend, and database management.

## Implementation:

- **User Registration & Login:** Implemented secure authentication for customers, vendors, and administrators.
- **Event Booking System:** Users can select event type, venue, date, time, catering, decoration, and other required services online.
- **Vendor Management:** Vendors can view assigned bookings, update service status, and manage event requirements.
- **Payment Module:** Secure online payment functionality is implemented for booking confirmation and receipt generation.
- **Admin Panel:** Admin can manage users, vendors, bookings, payments, and event details through a centralized dashboard.
- **User Interface:** Developed using HTML, CSS, JavaScript, and Bootstrap to provide a simple and responsive web interface.

## Future Scope:

- **Mobile Application Support:** Develop Android and iOS applications for easier event booking and management.
- **Online Payment Expansion:** Integrate multiple secure payment gateways for smooth and faster transactions.
- **AI-Based Recommendations:** Suggest suitable vendors, venues, and services based on user preferences and previous bookings.
- **Multilingual Support:** Add support for regional languages to make the system more user-friendly and accessible.
- **Cloud Connectivity:** Store booking and customer data on cloud servers for better security and multi-device access.
- **Real-Time Tracking:** Provide live event status updates and vendor activity tracking for better management.

## Conclusion:

The Event Vendor System is a smart and efficient web-based platform developed to simplify event planning and management. It allows users to book events, select services, manage vendors, and make payments through a user-friendly interface. The system reduces paperwork, saves time, and improves communication between customers, vendors, and administrators. It also provides secure data management and smooth coordination for successful event execution. In the future, the system can be enhanced with mobile applications, AI-based recommendations, cloud integration, and real-time tracking features to provide a more advanced and personalized event management experience.

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