ONLINE EVENT MANAGEMENT SYSTEM

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Table of Contents

Abstract:

The Online Event Management system is a user-friendly web application designed to facilitate seamless event selection and management for both event organizers and attendees. The application streamlines the process of planning and executing large-scale events, including festivals, conferences, ceremonies, parties, concerts, and conventions.

Challenges Addressed:

Traditional event management often involves complex, fragmented processes. This application tackles these challenges by providing a centralized platform for:

- **User Authentication and Registration:** Secure access for authorized personnel by integrating email verification feature.
- **Hall Availability Management:** Real-time tracking of venue availability for optimal scheduling.
- **Appointment Scheduling:** Streamlined booking of resources and personnel for the chosen event.
- **Appointment Management:** Effective tools to manage confirmed appointments and ensure smooth event execution.
- **Customer Information Management:** Secure and robust database for storage of customer information.

- **Notification System:** Timely updates and reminders for all stakeholders involved.
- **Admin Dashboard:** Comprehensive control panel for overseeing the entire event management process.
- **Event Selection:** A comprehensive interface to discover and select events based on specific co-corporation requirements.
- **Booking Information Management:** Centralized storage and access to all event booking details.

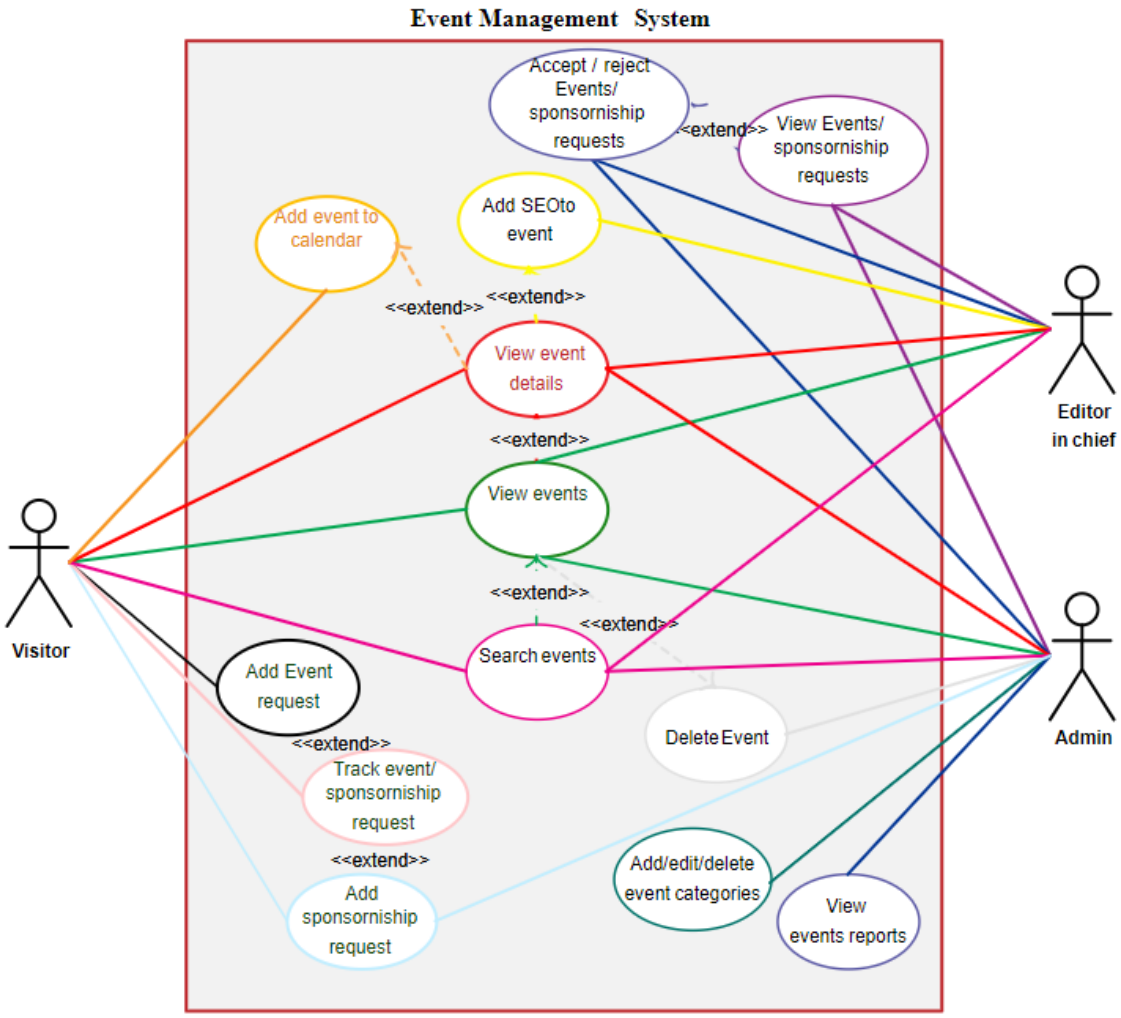
Benefits:

By leveraging this web application, co-corporations can:

- **Enhance Efficiency:** Effortless event planning and execution through a centralized platform.
- **Improve Communication:** Clear and timely communication among all parties involved.
- **Boost Employee Satisfaction:** User-friendly interface simplifies event management tasks.
- **Optimize Event Outcomes:** Streamlined processes lead to successful and impactful events.

This innovative application empowers co-corporations to manage events seamlessly, ultimately fostering a more organized and efficient event planning experience.

UML DIAGRAM:



Hardware & Software requirement:

The hardware and software requirements for the Event Management System can be broken down into two stages:

1. Development Phase:

Hardware:

- **Development Machine:** A computer with a mid-range processor (at least 2.5 GHz dual-core), 4GB or more of RAM, and sufficient storage space to accommodate development tools and project files. The operating system can be Windows 10 (recommended), macOS, or Linux depending on developer preference.

- **Internet Connection:** A reliable internet connection is necessary for downloading development tools, libraries, and collaborating with team members.

Software:

- **Development IDE (Integrated Development Environment):** A software application specifically designed for code editing, debugging, and building applications. Popular options include Visual Studio, Eclipse or Atom.
- **Programming Language and Frameworks:** The specific language and frameworks depend on the development approach. Some possibilities include:
    - **Backend:** Python with Django or Flask frameworks for server-side development.
    - **Frontend:** JavaScript with React or Angular frameworks for building the user interface.
    - **Database Management System:** A database like MySQL, PostgreSQL, or MongoDB to store event data, user information, and bookings.
- **Version Control System :** A Git system for managing code versions and collaborating with other developers.

2. Deployment Phase:

Hardware:

- **Web Server:** A computer with sufficient processing power and RAM to host the application and handle user traffic. Cloud-based solutions like Amazon Web Services (AWS) or Google Cloud Platform (GCP) can also be used.
- **Database Server:** A separate server dedicated to storing and managing the application's database, depending on the deployment architecture.

Software:

- **Web Server Software:** Software like Apache or Nginx to serve the web application to users.
- **Database Software:** The chosen database management system software needs to be installed on the server to manage the application's data.
- **Deployment Tools:** Tools like Docker or Kubernetes can be used to automate the deployment and management of the application on the server.