**Business Requirement Document (BRS)**

**Event Booking Web Application**

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**1. Introduction**

**1.1 Document Purpose**

This document outlines the business requirements and scope for developing the Event Booking Web Application. It defines the functional and non-functional requirements, business rules, and constraints to guide the project.

**1.2 Project Background**

EventHub aims to be a dynamic platform where event organizers, attendees, and performers unite to create memorable experiences. Our mission is to simplify the event booking process, enhance event experiences, and build a community passionate about diverse gatherings.

**1.3 Goals of the Project**

* **Streamlined Event Booking:** Develop a user-friendly, efficient booking system for easy browsing, selection, and ticket purchase.
* **Diverse Event Portfolio:** Offer a wide range of events across various categories to cater to different interests.
* **Effective Event Promotion:** Provide tools for event organizers to promote events effectively, reaching the right audience for maximum visibility and attendance.
* **Security and Trust:** Implement advanced security measures to protect user data, transactions, and platform integrity, ensuring a secure environment.

**1.4 Customers and Stakeholders**

* **Customers:**
  + Admin
  + Attendees
  + Event Organizers
* **Stakeholders:**
  + Event Booking Platform
  + Vendors/Service Providers
  + Government

**2. Business Requirements Overview**

* **Public Web Application:** The Event Booking System is a public web application targeting global users, with an initial focus on India.
* **Personalized User Profiles:** Provide users with personalized profiles for better event recommendations and management.
* **Key Functionalities for Attendees:**
  + Registration and Authentication
  + Event Details and Booking
  + User Profile Management
* **Key Functionalities for Organizers:**
  + Event Creation and Management
  + Attendee List and Registration Management
  + Analytics and Reporting
  + Payment Processing

**3. Functional Requirements Overview**

**3.1 Attendee Module**

1. **Attendee Registration:** Users can create accounts to access additional features and track booked events.
2. **Login:** Attendees must log in after registration to access the system.
3. **Profile Management:** Users can update personal details, preferences, and view booking history.
4. **Event Booking:** Attendees can browse, book, and manage attendance for events.
5. **Cancel Booking:** Users can cancel their bookings.
6. **Confirm Booking:** Attendees confirm their selected events and proceed to payment.
7. **Payment:** Secure payment processing for booking tickets.
8. **Logout:** Users can log out after completing their activities.

**3.2 Event Organizer Module**

1. **Event Organizer Registration:** Organizers can create accounts to manage their events.
2. **Login:** Organizers must log in after registration to use the system.
3. **Add Event:** Organizers can fill in event-related information to add events to the platform.
4. **Delete Event:** Organizers can delete their events if needed.
5. **Payment:** Organizers can make payments to the admin for publishing events.
6. **Logout:** Organizers can log out after completing their activities.

**3.3 Admin Module**

1. **Create/Manage Users:** Admins can add, modify, or deactivate user accounts with various roles and permissions.
2. **Edit/Update Events:** Admins can modify event details such as date, time, and venue.
3. **Delete Events:** Admins can remove events that are canceled or no longer relevant.
4. **Booking Management:** Admins can access lists of attendees and their details for each event.
5. **Registration Management:** Admins can authorize registrations of users and event organizers.
6. **Payment:** Admins can view payment details and manage financial transactions.
7. **Logout:** Admins can log out after completing their activities.

**4. Non-functional Requirements**

* **Performance:** Ensure prompt system responses to user interactions for a seamless experience.
* **Security:** Implement robust encryption for sensitive data to ensure secure transmission and storage.
* **Usability:** Design an intuitive and user-friendly interface for users with varying technical expertise.
* **Reliability:** Maintain high system availability, minimizing downtime for maintenance and ensuring accessibility.
* **Scalability:** Conduct capacity planning to handle increased loads during peak times, ensuring the system can scale as needed.

**5. Assumptions and Constraints**

* **Assumptions:**
  + Users have internet access to use the web application.
  + Event organizers have the necessary information and permissions to create and manage events.
* **Constraints:**
  + The initial phase targets the Indian market.
  + Compliance with local regulations and data protection laws.

**6. Glossary**

* **Attendee:** A user who registers and books tickets for events.
* **Event Organizer:** A user who creates and manages events on the platform.
* **Admin:** A user with elevated permissions to manage the platform and other users.
* **EventHub:** The brand name for the Event Booking Web Application.

This BRS document aims to provide a clear, comprehensive guide for developing and managing the Event Booking System, ensuring all stakeholders have a shared understanding of the project's scope and requirements.

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