Business Requirement Document(BRS)

Event Booking System

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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

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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

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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.

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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.

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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.

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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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