
SOFTWARE REQUIREMENTS SPECIFICATION

for

EventConnect

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1 Introduction

1.1 Purpose

<EventConnect aims to streamline the collaboration process between sponsors and event organizers. By offering a user-friendly platform, we intend to simplify the search and engagement process, making it easier for sponsors to discover events aligned with their interests and for organizers to find sponsors that match their requirements>

1.2 Document Conventions

1.2.1 Naming Conventions

EventConnect adheres to industry-standard naming conventions for maintaining code clarity and consistency:

- **Variables:** Use camelCase for variable names (e.g., `eventName`).
- **Functions:** Use camelCase for function names (e.g., `createEvent()`).
- **Classes:** Use PascalCase for class names (e.g., `EventOrganizer`).

1.3 Project Scope

EventConnect is a dedicated online platform designed to facilitate seamless collaboration between event sponsors and organizers within the dynamic landscape of the event industry. The purpose of EventConnect is to bridge existing gaps in the industry, providing a centralized space for sponsors and organizers to discover, connect, and engage with each other, fostering mutually beneficial partnerships.

Benefits, Objectives, and Goals

EventConnect aims to bring the following benefits to its users:

- ****Efficient Collaboration:**** Streamlining the process of connecting sponsors with event organizers, fostering efficient and fruitful collaborations.
- ****Enhanced Visibility:**** Providing sponsors with a diverse range of events based on their preferences, increasing their visibility and exposure to potential collaborations.

- ****Simplified Event Creation:**** Empowering organizers to create and manage events seamlessly, ensuring a user-friendly experience and successful event execution.
- ****Transparency and Trust:**** Establishing transparency and trust within the platform through feedback and rating systems, enhancing the credibility of both sponsors and events.

2 Overall Description

2.1 Product Perspective

EventConnect is designed as a standalone system that operates as a dedicated platform for connecting event sponsors and organizers. It is intended to replace existing offline system for sponser-organizers collabaration.

2.2 Product Functions

The core functions of EventConnect include:

- **Authentication and User Profiles:** Secure login for both sponsors and organizers, with detailed profile forms to capture relevant information.
- **Dashboard Functionality:** Sponsors can browse events, and organizers can view sponsors, both based on filters. A feature to showcase top sponsors is also included.
- **Event Management:** Sponsors can access event listings, and organizers can create events with detailed information.
- **Communication Features:** Email notifications to sponsors about relevant events, notifications to organizers when sponsors express interest, acceptance options, and private chat rooms for discussions.
- **Feedback and Rating System:** Sponsors can provide feedback and ratings for events.

2.3 User Classes and Characteristics

EventConnect is designed for two primary user classes:

1. ****Event Sponsors:**** - Characteristics: Individuals or organizations seeking sponsorship opportunities. - Actions: Browse events, express interest, communicate with organizers.
2. ****Event Organizers:**** - Characteristics: Professionals responsible for planning and executing events. - Actions: Create events, view and communicate with sponsors, manage collaborations.

2.4 Operating Environment

EventConnect is a web-based platform and is expected to operate in a standard web browser environment. The system is compatible with commonly used browsers such as Google Chrome, Mozilla Firefox, and Safari. Users should have a stable internet connection for optimal performance.

2.5 Design and Implementation Constraints

The design and implementation of EventConnect are subject to the following constraints:

- **Technology Stack:** The system must be developed using Python, with a choice between the Flask or Django web framework, and MySQL as the database.
- **Frontend Technologies:** HTML, CSS, and JavaScript are used for developing the user interface.

2.6 User Documentation

Comprehensive user documentation will be provided, including guides for sponsors and organizers on platform usage, feature explanations, and troubleshooting information. The documentation will be made available online and will be continuously updated with new releases.

2.7 Assumptions and Dependencies

The successful operation of EventConnect is based on the following assumptions and dependencies:

- Users have access to a compatible web browser.
- Users provide accurate information during the registration and profile creation process.
- Continuous availability of the web hosting infrastructure.

Please note that the success and functionality of EventConnect are dependent on these assumptions and may be impacted if any of them are not met.

3 External Interface Requirements

3.1 User Interfaces

EventConnect provides intuitive and user-friendly interfaces for both sponsors and organizers. The user interfaces are designed to be accessible through standard web browsers. Key features of the user interfaces include:

- ****Login Page:**** A secure login page for sponsors and organizers to access their accounts.
- ****Dashboard:**** Interactive dashboards for sponsors and organizers displaying relevant information, event listings, and collaboration options.
- ****Profile Forms:**** Detailed and user-friendly forms for sponsors and organizers to input and update their profile information.
- ****Event Creation Form:**** An organized form for event organizers to input details when creating new events.
- ****Chat Interface:**** An intuitive chat interface for private discussions between sponsors and organizers.
- ****Feedback and Rating System:**** User-friendly interfaces for sponsors to provide feedback and ratings for events.

3.2 Hardware Interfaces

EventConnect requires standard hardware components commonly found in modern computing environments. Users are expected to have access to the following:

- ****Personal Computers:**** Users can access EventConnect using personal computers or laptops.
- ****Mobile Devices:**** While not mandatory, the platform is accessible through mobile devices for on-the-go usage.
- ****Internet Connection:**** A stable internet connection is essential for accessing and using EventConnect.

3.3 Software Interfaces

EventConnect interacts with various software components to ensure smooth operation. The software interfaces include:

- **Web Browsers:** EventConnect is compatible with standard web browsers such as Google Chrome, Mozilla Firefox, and Safari.
- **Python:** The backend is developed using the Python programming language.
- **Web Framework (Flask or Django):** The chosen web framework for backend development.
- **Database (MySQL):** EventConnect relies on MySQL as the database management system.
- **Frontend Technologies (HTML, CSS, JavaScript):** These technologies are used for developing the user interface.

3.4 Communications Interfaces

EventConnect requires effective communication interfaces to facilitate interactions between sponsors and organizers. The communication interfaces include:

- **Email Notifications:** The system sends email notifications to sponsors about relevant events and to organizers when sponsors express interest.
- **Private Chat Rooms:** Secure and real-time chat rooms for sponsors and organizers to engage in detailed discussions.

These external interface requirements ensure that EventConnect seamlessly integrates with user devices, software components, and communication channels for optimal functionality.

4 Software Features

4.1 System Feature 1: Sponsor/Event Organiser Login/Signup Page

4.1.1 Description and Priority

- Description: The system should provide a secure login/signup page for sponsors and event organizers to access their accounts.
- Priority: High

4.1.2 Stimulus/Response Sequences

- Stimulus: User navigates to the login/signup page.
- Response: System presents login/signup options and validates user credentials.

4.1.3 Functional Requirements

- Users should be able to register new accounts with valid email addresses and passwords.
- Upon login, users should be redirected to their respective dashboards based on their roles (sponsor or event organizer).
- Forgot password functionality should be implemented for account recovery.

4.2 System Feature 2: Dashboards for Sponsors and Event Organizers

4.2.1 Description and Priority

- Description: Each user type should have a personalized dashboard displaying relevant information such as analytics, sponsorship opportunities, and event details and search functionalities.
- Priority: High

4.2.2 Stimulus/Response Sequences

- Stimulus: User logs in and accesses their dashboard.
- Response: System fetches and displays relevant data and options based on user type.

4.2.3 Functional Requirements

- Sponsors should be able to view analytics related to their sponsored events, browse upcoming events, and manage their sponsorship.
- Event organizers should have access to attendee statistics, manage event details, and view available sponsorship opportunities.

4.3 System Feature 3: Domain Selection and Additional Feature Filtering

4.3.1 Description and Priority

- Description: Users should be able to select specific domains and apply additional filters to refine their search for sponsors or events.
- Priority: Medium

4.3.2 Stimulus/Response Sequences

- Stimulus: User selects a domain and applies filters.
- Response: System updates the search results based on the selected criteria.

4.3.3 Functional Requirements

- Users should be able to filter sponsors/events based on criteria such as location, industry, sponsorship level, etc.
- The system should provide suggestions and auto-complete options to assist users in selecting domains and applying filters.

4.4 System Feature 4: Event Creation Functionality for Event Organizers

4.4.1 Description and Priority

- Description: Event organizers should be able to create and manage events through the system.
- Priority: High

4.4.2 Stimulus/Response Sequences

- Stimulus: Event organizer initiates the event creation process.
- Response: System presents a form for event details input and confirmation.

4.4.3 Functional Requirements

- Event organizers should be able to provide event details such as title, description, date, location, ticketing options, etc.
- The system should validate the input data to ensure it meets required formats and criteria.
- Event organizers should have the ability to preview and save drafts of their events before publishing them.

4.5 System Feature 5: Rating System for Sponsors/Events

4.5.1 Description and Priority

- Description: Users should be able to rate sponsors and events to help others make informed decisions.
- Priority: High

4.5.2 Stimulus/Response Sequences

- Stimulus: User interacts with a sponsor/event profile.
- Response: System allows users to submit ratings and reviews.

4.5.3 Functional Requirements

- Users should be able to rate sponsors/events on various aspects such as reliability, responsiveness, satisfaction, etc.
- The system should display average ratings and reviews to aid users in their decision-making process.

4.6 System Feature 6: Chat-box Implementation

4.6.1 Description and Priority

- Description: The system should include a chatbox feature for users to communicate with each other for personal or business inquiries.
- Priority: Low

4.6.2 Stimulus/Response Sequences

- Stimulus: User initiates a chat request.
- Response: System establishes a chat session between the users.

4.6.3 Functional Requirements

- Users should be able to send messages, attachments, and emojis within the chat interface.
- The system should support real-time messaging and notifications for new messages.

4.7 System Feature 7: Analysis Feature for Performance Improvement

4.7.1 Description and Priority

- Description: The system should provide analysis tools to help users improve their performance through product reviews and insights.
- Priority: Medium

4.7.2 Stimulus/Response Sequences

- Stimulus: User accesses the analysis feature.
- Response: System generates performance insights and recommendations based on user data.

4.7.3 Functional Requirements

- The system should analyze user interactions, sponsorship success rates, event attendance, etc., to provide actionable insights.
- Users should be able to access reports, graphs, and recommendations to enhance their sponsorship or event management strategies.

5 Other Nonfunctional Requirements

5.1 Performance Requirements

- The system should respond to user actions (such as login, search, and chat) appropriately under normal load conditions.
- The database should be able to handle concurrent user requests without significant performance degradation.

5.2 Safety Requirements

- User data should be encrypted during transmission and storage to prevent unauthorized access.
- The system should have backup and recovery mechanisms in place to prevent data loss in case of system failure.

5.3 Security Requirements

- User authentication should follow best practices and include measures such as password hashing and salting.
- Access control mechanisms should be implemented to restrict unauthorized access to sensitive data and features.

5.4 Software Quality Attributes

- The system should be scalable to accommodate a growing user base and increasing data volume.
- The user interface should be intuitive and user-friendly to enhance user experience.
- The system should be reliable and available 24/7, with minimal downtime for maintenance and updates.

5.5 Business Rules

- Sponsors must agree to the terms and conditions of the platform before creating an account and accessing sponsorship opportunities.
- Event organizers should have the option to set sponsorship criteria and requirements for sponsors interested in their events.

6 Other Requirements

6.1 Database Requirement

- Need a database with strong query processing for smooth functioning

6.2 Analysis Requirement

- Need appropriate data to be used for analysing user performance and software improvement.

6.3 Appendix A: Glossary

- Sponsor: A company or individual providing financial support or resources for an event in exchange for promotion or other benefits.
- Event Organizer: An individual or organization responsible for planning and managing events, including scheduling, logistics, and promotion.

6.4 Appendix B: Analysis Models

- Use Case Diagrams: Illustrate interactions between users and the system, highlighting key features and functionalities.
- Entity-Relationship Diagrams (ERD): Model the relationships between different entities in the system, such as users, events, sponsors, etc.

6.5 Appendix C: To Be Determined List

- TBD 1: Define the specific metrics and algorithms used for the rating system.
- TBD 2: Determine algorithms and models required for analysis and review page of the user.