

FestGuide Software Functional Requirements

1. Users can add and edit event information such as name, date, time, and location to ensure accuracy and relevance.
2. Users can search for events based on categories, dates, or locations to find events easily.
3. Users can purchase event tickets within the app, providing convenience and an easy transaction experience.
4. The main page displays upcoming events, enhancing user engagement and encouraging participation.
5. Users can access event details which include date, time, location, and description for informed decision-making.
6. Users can share events on external platforms which helps facilitate event promotion and increases visibility among potential attendees.
7. The app includes a FAQ section addressing common event attendance questions, and providing support and guidance to users

Non-Functional Requirements

Security Requirements: Secure user authentication and authorization mechanisms to protect user data. Also the Encryption of sensitive data such as payment information and user credentials.

Regulatory Requirements: Compliance with data protection regulations such as GDPR or CPRA to ensure user privacy.

Ethical Requirements: Being transparent in data usage and handling by ensuring user consent for data processing.

Legislative Requirements: Compliance with the local laws and regulations related to online ticket sales and event organization.

Operational Requirements: Scalability to accommodate an increasing number of users and events over time. Also, regular maintenance and updates to keep the system running smoothly.

Development Requirements: Adherence to coding standards and best practices to ensure code quality and maintainability.

Environmental Requirements: Minimization of resource consumption to reduce the environmental impact of the software.

Safety/Security Requirements: Measures to protect user safety during physical events, such as emergency contact information and venue safety guidelines. Also implementing security measures to prevent unwanted access to event-related data.

Accounting Requirements: Integration with accounting systems for accurate tracking of financial transactions and revenue generation from ticket sales.

Product Requirements: Compatibility with various devices to reach a wide user base and a well-made user interface design for easy navigation and interaction.

Organizational Requirements: App users must have a verified account to purchase tickets or create an event.

External Requirements: Following the regulations regarding the sale of tickets online and the management of events, ensuring that the platform is legally compliant and approved for use by regulatory bodies.

Efficiency Requirements: Optimized code for efficient use of system resources and minimization of key functionalities.

Dependability Requirements: Reliable error handling and logging to facilitate troubleshooting and debugging.

Performance Requirements: Fast response times for user interactions such as event searches, ticket purchases, and page loading.

Space Requirements: At least 500.555MB daily storage requirement for event data, user profiles, and multimedia content.

Usability Requirements: a user-friendly interface to enhance user satisfaction and engagement.