

CS 5200 Project Proposal

Team name: GuptaVUmrajkarGKharcheC

Team members: Vandit Gupta, Gargi Umrajkar, Chaitanya Kharche

Project Description

EventBuzz is a comprehensive event management application designed to streamline the planning, organization, and attendance of events, whether they are small community gatherings, corporate conferences, music festivals, or sports events. With a user-friendly interface and robust features, EventBuzz empowers event organizers, attendees, and sponsors to create, discover, and engage with events like never before.

Key Highlights:

- **Effortless Event Creation:** Event organizers can create, configure, and customize event listings with detailed information, dates, locations, and ticket pricing.
- **Intuitive Event Discovery:** Attendees can explore a diverse range of events effortlessly, using intuitive search and browsing features that match their interests, location, and preferences.
- **Secure Ticket Booking:** Attendees can book event tickets securely and receive e-tickets directly in their accounts, making the booking process convenient and safe.
- **Real-Time Event Engagement:** Organizers can communicate with attendees in real-time, sending event updates, changes, and important announcements for an enhanced event experience.
- **Sponsorship Opportunities:** Businesses and sponsors can discover and support events aligned with their brand and values, expanding their visibility and reaching a broader audience.
- **User Reviews and Ratings:** Attendees can leave reviews and ratings for events they've attended, fostering transparency and trust within the EventBuzz community.
- **Comprehensive Organizer Profiles:** Organizers can establish comprehensive profiles, showcasing their organizations and event history, enhancing credibility.
- **Multi-Platform Accessibility:** EventBuzz is accessible on web browsers and mobile devices, ensuring a consistent user experience across different platforms.

EventBuzz reimagines the event landscape, providing efficiency in event management, excitement in event discovery, and engagement in event participation. It empowers organizers, delights attendees, and supports sponsors, making the future of events brighter and more accessible.

Data Description

In the Event Buzz application, a comprehensive array of interconnected tables forms the foundation of this dynamic event management system. The "Users" table records user information, while the "Organizers" table categorizes organizers with details about their organizations. The "Venues" table manages venue information, and the "Events" table captures event specifics, connecting them to respective organizers and venues. Ticket-related data is stored in the "Tickets" table, while "Orders" track user orders for event tickets. Attendee information is managed in the "Attendees" table, and "Reviews" provides user feedback on events. Notifications are stored in the "Notifications" table, and "Sponsorships" track financial support for events. These tables create an intricate network to facilitate user interactions, event management, and data management in Event Buzz.

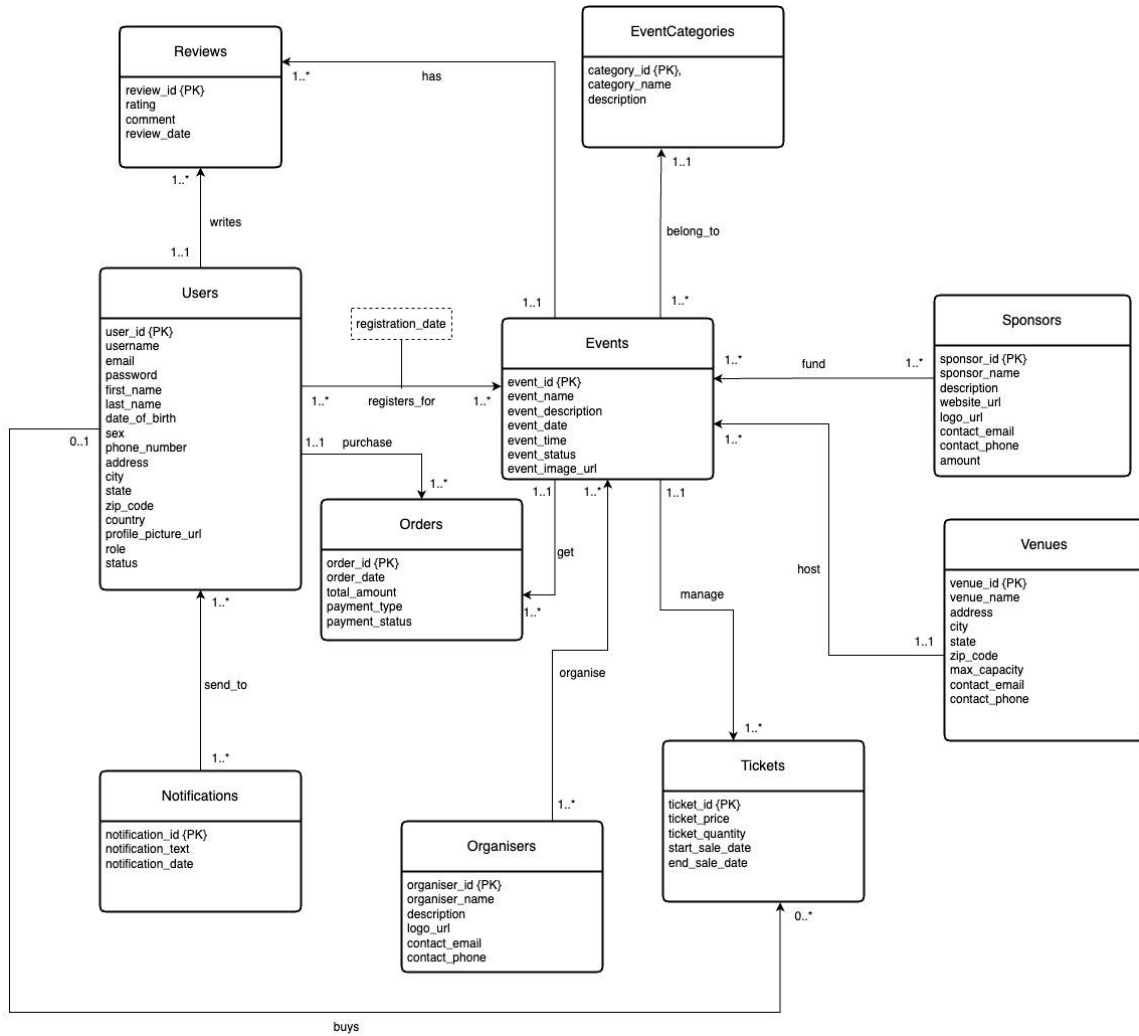
Software

We plan to use a relational database (SQL) for storage and data persistence in our application. Our database will consist of at least 12 tables that will hold the necessary data our application needs. Our backend will be a Python application, bootstrapped by the FastAPI framework. This framework will allow us to organize better and modularize our code for each endpoint. We will use the MySQL connector Python library to connect our application to the database. Our front end will use React.js, enabling our pages to be stateful. **Our project has no known machine restrictions.**

Domain Interest

Creating an event management application is driven by three core motivations. It's a canvas for creativity, a challenge for quick thinkers, and a platform for fostering connections. This exciting journey allows us to blend artistry, problem-solving, and the joy of bringing people together.

UML Diagram



Flow Chart

