Eventify – Event Management System

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Abstract: *A detailed Event Management system offers an innovative way to simplify the process of organizing events by removing traditional intermediaries. This research paper introduces a novel application that establishes direct connections between event hosts and professional planners through a role-based access control system. The study examines the implementation of a three-tier architecture involving administrators, organizers, and users, integrating advanced features such as dynamic QR-based access control, automated guest management, and machine learning-driven event recommendations. The application includes semantic analysis for organizer evaluations, automated budget calculation functionalities, and real-time task tracking capabilities. Our findings demonstrate the system's effectiveness in managing both large-scale corporate events and intimate private gatherings due to its extensive feature set. The research highlights the application's success in reducing the complexity of event planning while ensuring security through appropriate verification and authorization measures. Results indicate significant improvements in event planning efficiency and user satisfaction through the adoption of digital notification systems and intelligent event suggestions.*

Keywords: Event Management System, Role-Based Access Control, Semantic Analysis, Dynamic QR