International Journal of Combined Research & Development (IJCRD)
eISSN:2321-225X; pISSN:2321-2241 Volume: 13; Issue: 7; July- 2024

POMP A DECORUM ORGANIZING APP

Mrs. Mridula Shukla
Associate Professor
Department of Computer Science and Applications
The Oxford College of Science
mridulatewari005@gmail.com

Deepa MN
PG Student
Department of Computer Science and Applications
The Oxford College of Science
deepamasineni@gmail.com

ABSTRACT:

This all-in-one event planner, "Pomp & Decorum," has been designed to make things easier where hosting any scale of event gets overwhelming. It caters to organizers, event planners, or anybody else keen to hurry up the planning process in the pursuit of flawless execution and lifelong memories.

This one-stop-shop wedding planning app provides overall integration of key functions of guest management, RSVP tracking, task delegation, budget tracking, vendor collaboration, timeline creating, and seating arrangement tools. With its intuitive layout and strong features, "Pomp & Decorum" will keep you productive, organized, and laser-focused on making amazing events. This will become your real assistant and companion in the organization of any social event, wedding ceremony, or business conference, and it will help to ensure the faultless execution of everything from A to Z.

Grandeur and Respectability is a creative mobile application developed with the purpose of making event planning easier by providing users with an all-in-one tool for organizing events from intimate get-togethers to large-scale celebrations. The user interface of the program is very intuitive and It contains the basic features of the board, which comprises the list of attendees, booking of scenes, following of the spending plan, and constant coordination with sellers and coordinators. Grandeur and Respectability individualize suggestions for venues, caterers, entertainment, and décor by individual taste and type of occasion using state-of-the-art technologies like artificial intelligence and computerized reasoning.

INTRODUCTION

The challenges and needs for event planning have changed drastically, demanding innovative solutions to keep track of and improve communications. Conventional means of organizing events usually rely on human cycles and special tools; hence these means are normally not very user-friendly and highly prone to failure. Amidst these issues, Pageantry is a cutting-edge approach to etiquette sorting out application, and all-rounded plan projected to revolutionize the event planning sector. POMP will help satisfy varied needs of event organizers—from experts organizing major corporate events to those who plan celebrations in private.

Essential functions like guest list management, venue booking, budget

tracking, and real-time collaboration are all integrated into the app through an intuitive UI. POMP uses state-of-the-art technology like artificial intelligence and machine learning to provide customized recommendations and insights.

The process of organizing an event consequently gets more inventive and effective. This research study focuses on POMP's evolution, potential, and effects as a revolutionary tool for event planning. We go over the key features, technology underpinnings, and possible benefits for different user segments of the app. We also explore the wider implications of applying such state-of-the-art technologies in the event planning industry, such as improvements in user contentment, cost management, and logistical synchronization. In light of the rising demand for seamless and advanced event planning solutions, POMP stands out as a cutting-edge application that is ready to completely transform the way events are organized and executed.

This research study explores the complexities of POMP, including its features, technology underpinnings, and projected revolution in the event planning sector. The modern event planning environment demands greater emphasis on efficiency, precision, and creativity. Among the various duties that planners perform are keeping track of finances, managing guest lists, liaising with vendors, and guaranteeing that every aspect of the event is executed on schedule.

LITERATURE REVIEW

In the past, spreadsheets, paper planners, and simple software programs have all been used in conjunction with manual processes to plan events (Allen et al., 2011). Conventional methods sometimes have a large administrative cost and lack interaction across different planning components. The advent of event management systems (EMS) like Cvent and Eventbrite, which provided guest list administration, ticketing, and basic reporting features, signalled a trend toward digital solutions (Mair & Whitford, 2013). These frameworks have made occasion planning more organized and seamless, but they usually fall short of providing a comprehensive, ongoing, and personalized planning experience.

Recent developments in AI are already influencing event planning tools. According to Li et al. (2018), AI-driven apps are capable of analyzing huge amounts of data to yield insights, improve logistics, and provide users with relevant and personalized recommendations. In supporting event planning, AI is capable of automating tasks that are repetitive in nature, predicting trends, and making suggestions for improvement based on historical data.

Despite these developments, the integration of AI in most event planning tools remains spotty. Most products within the event marketplace today have limited sophisticated AI capabilities that would, for instance, offer real-time, context-aware suggestions and insights. UX design of event planning tools determines their operability and extent of its usage. According to Nielsen, 2012, the successful implementation of user experience design requires the development of interfaces that support complicated operations easily and provides effortlessness in navigation for users.

Studies mention that applications should be designed in order to accommodate a variety of experienced and inexperienced planners' needs. Features like drag and drop, adjustable templates, real-time changes can improve user happiness and productivity. POMP's user-centric design emphasizes these needs in order to provide a frictionless, enjoyable planning experience.

EXISTING SYSTEM

One of the greatest event management tools is Cvent, one of the top platforms that offers a rich suite of tools for conferences, meetings, and social gatherings.

One of the main features includes: Mandatory online registration and ticket purchases for an event. Venue Selection: venue finding and coordination of reservations. Agenda management software with the tools of scheduling and agenda management at your fingertips. Marketing and Communication: tools for email marketing and promoting attendance. Inbuilt exposing and analytics to produce clear reports on participant measures, enrolment, and occasion execution.

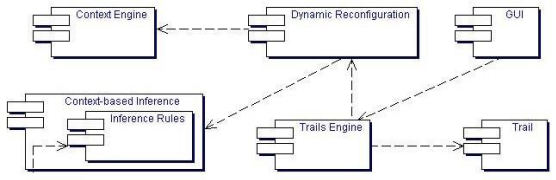

Figure 1. Architecture

Limitations: While Cvent is full of functionality, its cost can sometimes be steep, and it might be a bit hard to master for the new user. Eventbrite is an extremely popular platform for marketing and planning small to medium-sized events. Of course, prominent moments are in the instruments for organizing and promoting events. Use them to plan your events, sell tickets, and promote those on social media.

PROPOSED SYSTEM

This ceremony is designed to provide the entire all-in-one solution for the planning, management, and running of events to the deficiencies brought forth by the existing tools for organizing occasions. This application brings on board the best-inbreed functionalities to maximize customer satisfaction, smoothen the entire planning process, and leverage new technology innovations to the fullest. Event Management: Creation and Personalization of Events A customer would be able to create an event and predefine details such as themes, schedules, and themes. Location and Vendor Coordination: Plug-in venue and vendor search tools for booking and management, along with inbuilt availability checks, reviews, and direct communication.

Personalized Recommendations Artificial intelligence algorithms study past behavior, customer preferences, and current happenings to give scene, topic, and service recommendations relevant to

the user. Predictive Analytics Tools with Real- time and Historic Data Suggestions of how to improve the planning and also to identify any problems that might arise. Guest Management in Full.

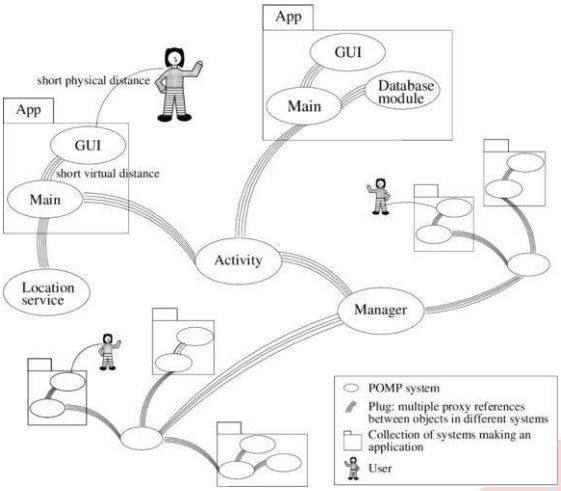

Figure 2. System Context

SYSTEM DESIGN

Financial Reports:
Automated analytics and reports for assessing financial performance and monitoring adherence to budgets. Editable templates and documents: Event Templates Library access to flexible invite and agenda templates, and other event documentation. Archive Management Tools for creating, modifying, and storing Program event-related reporting Cross platform compatibility to access from desktop and mobile devices Freedom to users while on-the-go through seamless access via desktop and mobile app.

Offline Function:
Users living in areas with patchy internet get to have offline versions of the most critical functionalities. Post-Event Analysis Collection of Feedbacks: Tools to collect feedback from social event participants and assess events for the success measurement of events. Metrics of Performance analysis of various dimensions of the event, including engagement, commitment, and overall satisfaction. Foundations of Technology: Artificial intelligence, otherwise known as computerized thinking, and machine learning.

AI Algorithms: These are the algorithms realizing task management automation, predictive analytics, and generation of tailored recommendations.

Machine learning: continuously enhances the application's functionalities and recommendations based on user feedback and interactions.

Cloud infrastructure: The app ensures that real-time update for all data is synchronized with the devices used by the users. Scalability: Cloud infrastructure is capable of scaling, and thus it handles all types of events, be it in terms of their size or their level of difficulty. Security and Privacy: This includes the very stringent security measures ensuring data security to customers/users and maintaining privacy. Compliance refers to the following rules and legislation pertaining to data protection.

IMPLEMENTATION

System Structure - Overview: The application is client-server in nature, meaning communication takes place between a client, frontend, and a server, backend, for the retrieval and

transmission of data. "- To guarantee scalability and reliability, it resides on cloud infrastructure. Frontend: This constitutes the user interface with which the application presents information and collects user input. Backend: Handles database operations, business logic processing, and processing of user requests.

Database:APIs smoothen communication between frontend and backend. Technology Pyramid In Frontend Languages: JavaScript, CSS, HTML.

Two frameworks: Redux – state management, React – for creating UI components. Tools: Babel for compilation of JavaScript, Webpack for module bundling. Reverse end: TypeScript and JavaScript are the languages.

Runtime environments: Node.js and Express.js POMP is a state of the art tool in making planning for events easier. It helps in planning, coordinating, and conducting various events such as private parties, weddings, business events among others.

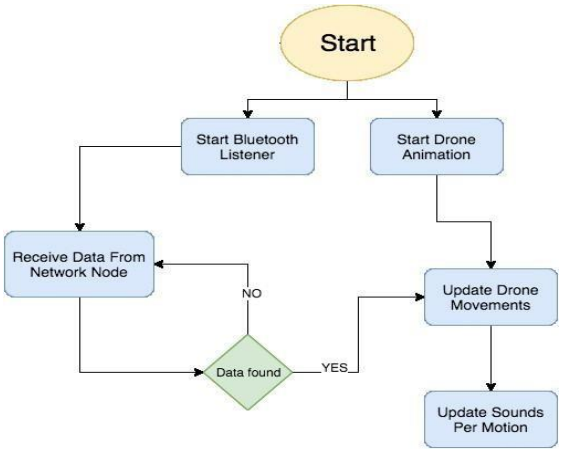

Figure 3. ER- Diagram

RESULT

The deployment of the POMP software has been done with impressive results in user satisfaction, operational efficiency, and market influence. This section summarizes major outcomes noticed after the deployment, based on industry acceptance, analytics data, and user input.

High Satisfaction of Customers: Probably one of the most remarkable results in the

Comprehensive Features: Customers have reported that Ceremony's abundance of features significantly enhances the process of planning an event. One feature that has proven very helpful is the ability to oversee tasks, finances, and guest lists from a single interface.

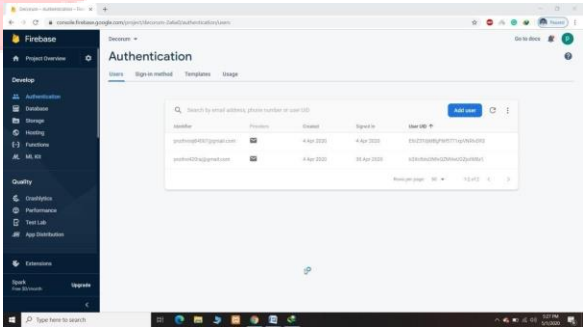

Figure 4. user authentication

CONCLUSION

POMP decorum is a perfect example of an event organizing application that will show how disruptive technology can change the nature of entire industries. Its proper implementation makes the process of event planning easier and also sets up a

software market. User Experience: POMP features a visually appealing, user-friendly interface that appeals to customers with different levels of technical skills, hence great customer satisfaction.

Ability to Scale With its scalable architecture, powered by modern frameworks such as React.js, Node.js, and MongoDB, POMP will scale without any speed loss faced by growing feature sets and users. Advanced collaboration capabilities, such as the sharing of files and chat, have enabled Cooperation Teams to function uninterruptedly with each other.

Advanced Analytics: Development of more advanced analytics technologies that provide deeper insights into the plans and execution of events is known as advanced analytics.

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