SOFTWARE REQUIREMENT SPECIFICATION - EVENT MANAGEMENT

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PROJECT ID	11
PROJECT TITLE	EVENT MANAGEMENT

Tech Stack:

- **Frontend:** ANGULAR
- **Backend:**EXPRESS,NODE.JS
- **Database:**MONGODB
- **Authentication:**Google Authentication

Introduction:

In today's rapidly evolving educational landscape, colleges face a myriad of challenges in effectively managing events that cater to the diverse needs and interests of their community members. From coordinating logistics and resources to promoting engagement and ensuring accessibility, the complexities of event management require innovative solutions that streamline processes and enhance collaboration among stakeholders. To address these challenges, our project proposes the development of an Event Management Dashboard using the MEAN stack (MongoDB, Express, Angular, Node.js). This dashboard will serve as a centralized hub for planning, organizing, and promoting events within the college ecosystem, empowering administrators, event organizers, and participants alike to create memorable and impactful experiences.

Objective:

The goal of the Event Management Dashboard is to transform the way college communities organize, plan, and carry out events by offering a complete and intuitive platform. Our goal is to provide a dynamic and scalable solution that not only streamlines event management procedures but also encourages teamwork, creativity, and community involvement by utilizing the power of the MEAN stack. With its user-friendly interface, strong functionality, and smooth connection with current college systems, the dashboard aims to maximize attendance and participation, optimize resource allocation, and promote ongoing enhancements in event planning and execution procedures.

Scope:

A vast array of features and functionalities will be included in the Event Management Dashboard in order to satisfy the various requirements and preferences of administrators, event organizers, and attendees. The dashboard will offer a comprehensive solution that simplifies every step of the event lifecycle, from event design and promotion to venue management and feedback gathering. Easily navigable user interfaces, instantaneous communication tools, automated alert systems, extensive reporting features, and adaptable workflows to suit different kinds and sizes of events are essential elements. Furthermore, the dashboard will give top priority to scalability, security, and accessibility to guarantee a seamless and inclusive user experience for all stakeholders.

Product Functions:

- Event creation, editing, and deletion functionalities.
- Venue condition tracking, maintenance task management, and resource allocation.
- Participant registration, event management, and ticketing options for organizers.
- Automated notifications for event updates, reminders, and emergency alerts.
- Attendance tracking, check-in systems, and real-time event monitoring.
- Post-event feedback collection through surveys and ratings.

- Integration with college calendars, student databases, and financial systems.
- Customizable user roles with varying access levels and permissions.
- Data analytics and reporting features for event performance evaluation.
- Mobile responsiveness for access on various devices.

User Characteristics:

- Administrators: Responsible for overall event management, venue maintenance, and collecting feedback for continuous improvement.

- Event Organizers: Handle event logistics, including creation, registration management, and attendance tracking, ensuring successful event execution.

- Participants: Engage with the platform by browsing, registering, and attending events, actively contributing to the college event culture.

Functionality:

- User Experience Design: Prioritize intuitive UX design to accommodate users with varying technical proficiencies and enhance overall usability.

- Security: Implement robust security measures to safeguard sensitive data and prevent unauthorized access.

- Integration with College Systems: Ensure seamless integration with existing college systems to enhance usability and efficiency.

- Scalability: Design the dashboard to scale efficiently to accommodate the evolving needs of the college community.

- Feedback Mechanism: Implement a structured feedback mechanism to gather insights from users and drive continuous improvement.

- Risk Management: Implement strategies for identifying, assessing, and mitigating risks associated with event planning and execution, including contingency planning and crisis communication protocols.

- Sustainability Initiatives: Integrate sustainability principles into event management practices, promoting eco-friendly behaviors, reducing carbon footprints, and fostering a culture of environmental stewardship.

- Diversity and Inclusion: Incorporate diversity and inclusion principles into event planning processes, ensuring representation, accessibility, and cultural sensitivity in event programming and outreach efforts.

- Community Engagement Strategies: Develop outreach initiatives and community-building activities to foster a sense of belonging and inclusivity among all members of the college community, including students, faculty, staff, alumni, and external stakeholders.

- Professional Development Opportunities: Offer training sessions, workshops, and networking events for event organizers and administrators to enhance their skills, share best practices, and stay abreast of industry trends and innovations.
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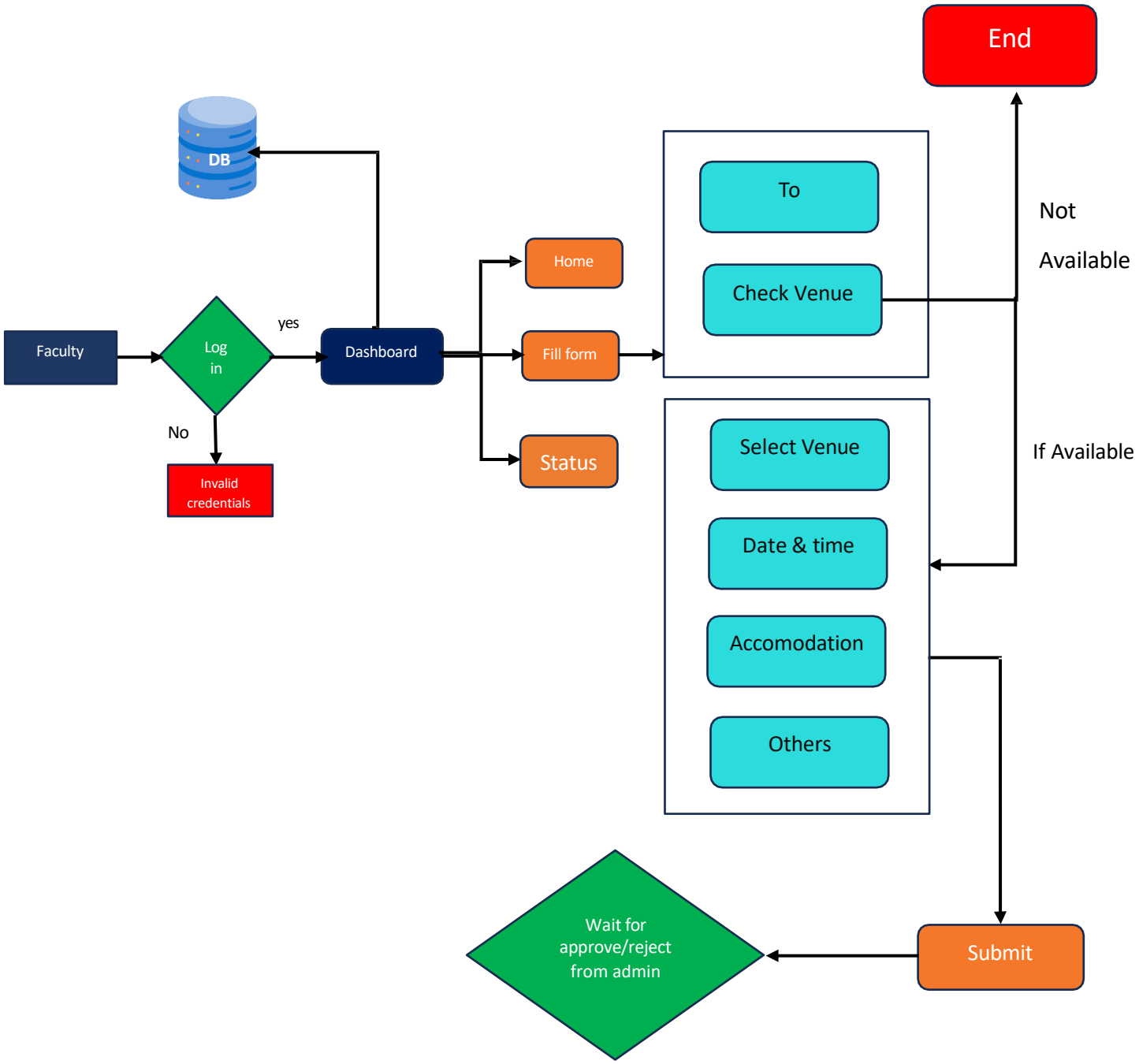
Conclusion:

The suggested Event Management Dashboard will be a useful tool for improving event planning and engagement within the campus community if it complies with these goals and factors. Its user-centered design, extensive functionality, and dedication to ongoing development will support a lively school event culture while facilitating a flawless event management experience.

USER FLOW CHART:



ADMIN FLOW CHART: