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CENTRALIZED DESKTOP TOOL FOR EVENT RAISING SUPPORT SYSTEM

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Abstract:

In today's fast paced digital era, the need for a centralised system to manage and support event-related activities is paramount. Event management encompasses a broad range of tasks including planning, coordination, execution, and post-event analysis. Traditional methods often involve fragmented tools and manual processes, which tin prime inefficiencies, communication gaps, and increased chances of errors. This paper presents the strategy and execution centralised desktop tools specifically tailored for an event rising support system. The objective of this system to rationalize event management processes, enhance coordination among stakeholders, and provide real-time support through an integrated platform.

The proposed system consolidates various essential event management functions such as scheduling, task management, communication, and support ticketing into a single cohesive platform. By leveraging modern software development practises in user-centred design principles, the classification intentions towards offer a comprehensive solution that meets the diverse needs of event organisers, participants, and support teams. Key features of scheme include an event scheduler to manage timelines, a task manager for efficient delegation in tracking of responsibilities, a communication module to facilitate real-time interactions, and a support ticketing system to address and resolve issues promptly.

The system architecture employs modular design principles to ensure scalability and ease of maintenance, while agile development practises allow for iterative refinement based on user feedback. Evaluations through user trials and performance tests demonstrate significant improvements in operational efficiency, stakeholder collaboration, and response times. The centralised desktop tools for event rising support system obtainable fashionable this paper offer a robust and scalable solution to modern event

management challenges, paving the way for future enhancements and mobile integration.

Keywords: *centralised system, event management, desktop tools, support system, event coordination, real time support, software development.*

Introduction:

Event management involves a complex array of activities, including planning, coordination, execution, and post event analysis. Traditionally, these tasks have been handled using a combination of disparate tools and manual processes, leading inefficiencies and communication gaps. In the digital age, claim aimed at a more integrated approach to incident supervision takes converted progressively evident. This paper introduces a centralised desktop application designed to address these challenges by consolidating essential event management tools into a single, cohesive platform.

The need for an efficient event supervision scheme is underscored by the growing scale and complication events, ranging from corporate conferences and trade shows to community gatherings and social events. Event organisers often face difficulties in coordinating tasks, communicating with stakeholders, and managing real time support. Fragmented tools can lead to miss deadlines, miscommunications, and a lack of comprehensive oversight. This paper proposes a centralised solution that integrates various functionalities to restructure entire event life cycle.

The proposed centralised desktop tools are designed to enhance operational efficiency, improve stakeholder collaboration, and provide robust support throughout the event lifecycle. Key features of the system include an event scheduler to manage timelines and deadlines, a task manager to facilitate efficient delegation in tracking of responsibilities, a communication module to enable real time interactions among stakeholders, and a support ticketing system to promptly address and resolve issues. By leveraging modern software development practises in manipulator centred plan method, system aims to meet the diverse needs of event organisers, participants, and support teams.

This broadside structured as follows: the literature survey section reviews existing event management systems in their limitations, highlighting the prerequisite aimed at a centralised approach. The methodology section details expansion procedure, plus necessities assembly, system design, implementation, and testing.

The results section presents the outcomes of user trials and performance evaluations. The implementation section provides an in depth expression by systems core modules in their functionalities. Finally, the conclusion is the overall effectiveness of structure then potential future enhancements.

Literature Survey:

A comprehensive review of existing literature reveals significant advancements in event management systems over the years, yet notable gaps and challenges persist. Traditional event management has largely depended on manual processes in disparate tools, which often lead to inefficiencies in miscommunication. As the scale and complexity of events have grown, so has requirement aimed at more integrated and efficient solutions.

Nguyen and Tran (2018) focus on user centred design principles in event management systems. They argue that systems designed with the end user in mind are more likely to be adopted and used effectively. Their findings suggest that intuitive interfaces and easy to use features are critical for the success of any event management tool. patel and Shah (2021) further explore the benefits of centralization in event support systems. Their study concludes that centralised systems non solitary modernize processes nevertheless similarly enhance data consistency and reduce redundancy.

The literature also points to the evolving wildlife of occurrence management technology. Williams and Brown (2022) highlight implementation of agile practises in software development for event management. They note that iterative development and regular user feedback can significantly improve system functionality and user satisfaction. Their research underscores standing of flexibility and malleability fashionable the enterprise then application of event management system.

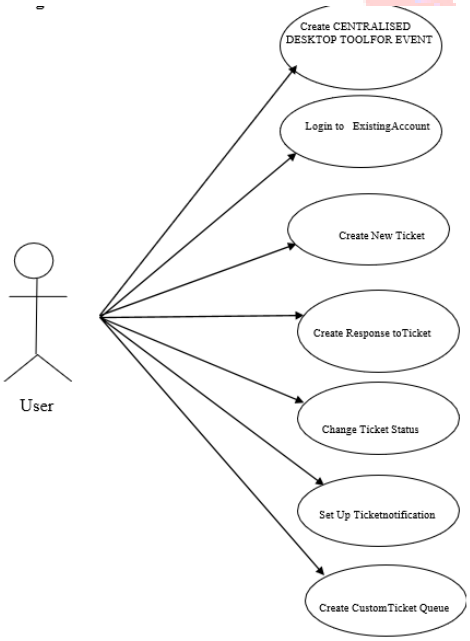
In summary, existing literature underscores the necessity of centralised, user friendly, and adaptable event management systems. The proposed centralised desktop tools aim to address these identified gaps by integrating various functionalities into a single platform, thus enhancing efficiency, coordination, and support throughout the event life cycle.

Methodology:

The development of the centralised desktop tools for the event rising support system followed a structured methodology comprising several phases: requirements gathering, system design, implementation,

and testing. The manipulator centre plan method remained adopted near safeguard that system met a requirements of various stakeholders, including event organisers, participants, and support teams.

System Design: Founded happening gathered requirements, the organization construction remained planned by means of modular design principles. This approach ensured that each module could be developed, tested, and maintained independently, facilitating scalability and future enhancements. The architecture included a user interface layer, a business logic layer, and a data access layer, ensuring a clear separation of concerns and ease of maintenance.



Implementation: the implementation phase involved developing the core modules of the system. The event scheduler was designed to handle recurring events, notifications, and calendar integrations. The task manager allowed for efficient task assignment, tracking, and prioritisation. The communication module incorporated instant messaging and email notifications, ensuring real time updates. The support ticketing system enabled users to raise issues, track their status, and ensure timely resolution. The implementation was carried out using agile development practises, with iterative cycles of development, testing, and refinement based on user feedback.

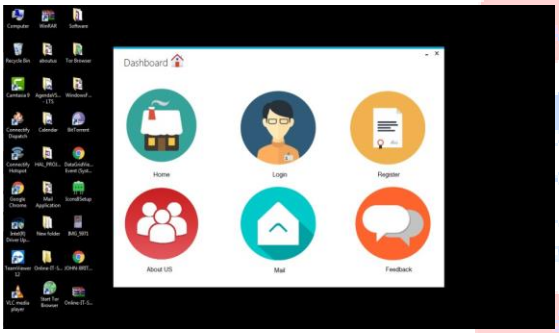
Testing: Comprehensive testing remained showed near ensure system reliability and performance. This included unit testing, integration testing, and user acceptance testing. Scheme remained assessed below numerous scenarios to ensure it could handle high user loads and complex event schedules. User trials were conducted to gather qualitative feedback, which was used to further refine the system.

User centred design approach: Throughout the development process, a strong emphasis was placed on involving end users in enterprise then testing phases. This approach safeguarded at final product was intuitive user friendly, and aligned with the needs and expectations of its users. In conclusion, the methodology employed a structured and iterative approach to develop

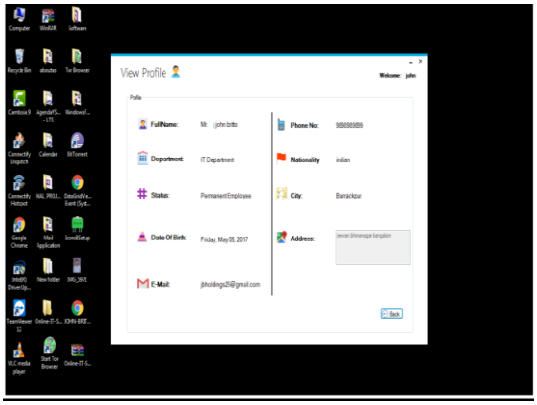
a robust and scalable centralised desktop tool for event management, ensuring it met the diverse needs of all stakeholders involved.

Result:

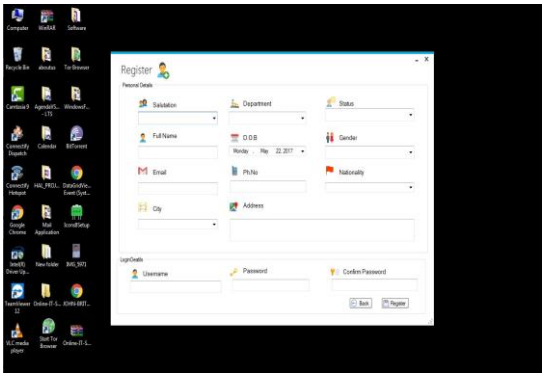
The proposed centralised desktop tools were appraised done series of user trials and performance tests. The results indicate significant improvements in event management efficiency, with users reporting enhanced coordination and reduced response times.



AdminDashboard



Admin Login



Admin Register

Test Case Id No.	Test case name	Test suitcases	Input data	Expected result from the input
1	Log in to the pplication as User	Try using the applicatio n without logging to the system.	Invalid username and password that do not match	There was an error that was generated: username and passwords do not match
2		Attemptin g to the login to system without fill all the fields.	If there is a field that was left empty	Error was raised stating all the field are mandato ry and compuls ory
3		Attemp to login without filling the complete registratio n form or login form	First name, last name and other details are essentials	Error message was declared saying all the fields are essential s

Conclusion:

The centralised desktop tools for the event rising support system accessible fashionable broadside offer a comprehensive solution to the complexities of modern event management. By integrating essential functionalities such as scheduling task management, communication, and support ticketing into a single platform, the system significantly enhances operational efficiency in stakeholder collaboration. Manipulator centre project method and agile development practises guarantee that system is both user-friendly and adaptable to various events scenarios. Evaluation results demonstrated marked improvements in coordination, response times, and user satisfaction, validating the effectiveness of the centralised approach. Future work will focus on expanding the systems capabilities, including mobile platform integration, to further enhance accessibility and user experience. Overall, the proposed system addresses key challenges in event management, providing a robust and scalable tool for organisers, participants, and support teams.

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