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Event Handling Management System

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ABSTRACT:

Event planning can be a complex and time-consuming task, requiring extensive research and coordination. This paper presents a mobile application for an event handling management system designed to simplify the process by offering personalized suggestions for event-related services. The system allows users to select an event type, such as a birthday or marriage, and accordingly suggests suitable hotels and cake shops based on predefined criteria. By leveraging user preferences and event-specific requirements, the application enhances convenience and efficiency in event planning. The proposed solution aims to reduce the hassle of manual searching and streamline decision-making by providing a curated list of vendors, thereby offering a comprehensive platform for event organization.

Keywords: Matrices, Process Mining, Case Management, Event planning, Event management.

Introduction:

Event planning is an essential yet often challenging task that requires careful coordination of various elements such as venue selection, catering, and décor. Traditional methods of event planning involve manual searches, comparisons, and negotiations, which can be both time-consuming and overwhelming. With the advancement of mobile technology, digital solutions are emerging to facilitate and automate this process. This paper introduces a mobile-based event handling management system that assists users in planning events by providing tailored suggestions for hotels and cake shops based on the selected event type. Whether it is a birthday party, wedding, or any other occasion, the application aims to deliver a seamless experience by offering relevant service recommendations. The system leverages user inputs and predefined criteria to curate a list of vendors, ensuring that users can make informed decisions without extensive research.The objective of this project is to enhance the efficiency of event planning, minimize decision fatigue, and provide an organized approach to selecting venues and related services. By integrating location-based suggestions and user preferences, the application serves as a valuable tool for individuals and event organizers alike. This paper discusses the design, implementation, and potential impact of the proposed system in the event management industry.

Objectives:

1. Detect all changes of state that have significance for the management of a Cl or IT service.
2. Determine the appropriate control action for events, and ensure these are communicated to the appropriate functions.

Litreature Survey:

SR. NO	AUTHOR	ABSTRACT	KEYWORDS

1	Marian Benner	One of the main goals of process mining is to automatically discover meaningful process models from event logs. Since these logs are the essential source of information for discovery algorithms, their quality is of high importance. In recent years, many studies on the quality of resulting process models have been conducted. However, the analysis of event log quality prior to the generation of models has been neglected. For example, yet there are no metrics which can measure the degree of event log quality that is needed so that discovery algorithms can be applied. Especially in the context of case management (CM) where processes are less structured, complex event logs reduce the effectiveness of the process discovery.	— metrics, process mining, case management
2	montagnai	We introduce a new approach to conditional probability over many-valued events, which is based on bets. Then we show that this approach fits with Kroupa's approach, and we give two characterizations of coherence for books on conditional many-valued events, the first one based on states, and the second one based on logical coherence of a suitable theory on many-valued logic.	States, conditional probability, SPMV+ algebras
3	SajalMukhopadhyay	—The Basketball is uniquely American game and most popular in this country and now getting popularity in worldwide.National Basketball Association(NBA)is the major basket ball league conducting basketball matches event of every year in the month of february.In a basketball match, k tickets are available and more than k people give demand for a ticket to watch the match.To earn more profit in that environment, in this paper an auction based truthful mechanism is proposed for selling all the tickets of the basketball match and it is shown that our auction based scheme is significantly better than the existing scheme in terms of the total income earned per match	-VCG Mechanisms, Multiunit Auction
4	Martin Magris	Long-range correlation in financial time series reflects the complex dynamics of the stock markets driven by algorithms and human decisions. Our analysis exploits ultrahigh frequency order book data from NASDAQ Nordic over a period of three years to numerically estimate the power-law scaling exponents using detrended fluctuation analysis (DFA). We address inter-event durations (order to order, trade to trade, cancel to cancel) as well as cross-event durations (time from order submission to its trade or cancel). We find strong evidence of longrange correlation, which is consistent across different stocks and variables. However, given the crossovers in the DFA fluctuation functions, our results indicate that the long-range correlation in inter-event durations becomes stronger over a longer time scale, i.e., when moving from a range of hours to days and further to months.	PERT, time estimation, project management, path duration

5	Michael Owonibi	— Booking, which is the act of reserving resources in advance, is an important component of the operations of organizations of all sizes, from enterprise-level businesses, to service-based small businesses. Several applications, known as Booking Management Systems (BMS), have been developed for managing this booking process. However, a common issue with most of these BMS's is that they are typically developed to serve a particular use case or context, and this usually limits their reusability. To address this issue, we propose a generic, flexible, and extendable BMS model. This model consists of components for managing resource definition, constraints, schedules, booking workflows and their specifications, events etc	Resource Booking; Resource Scheduling; Reservation

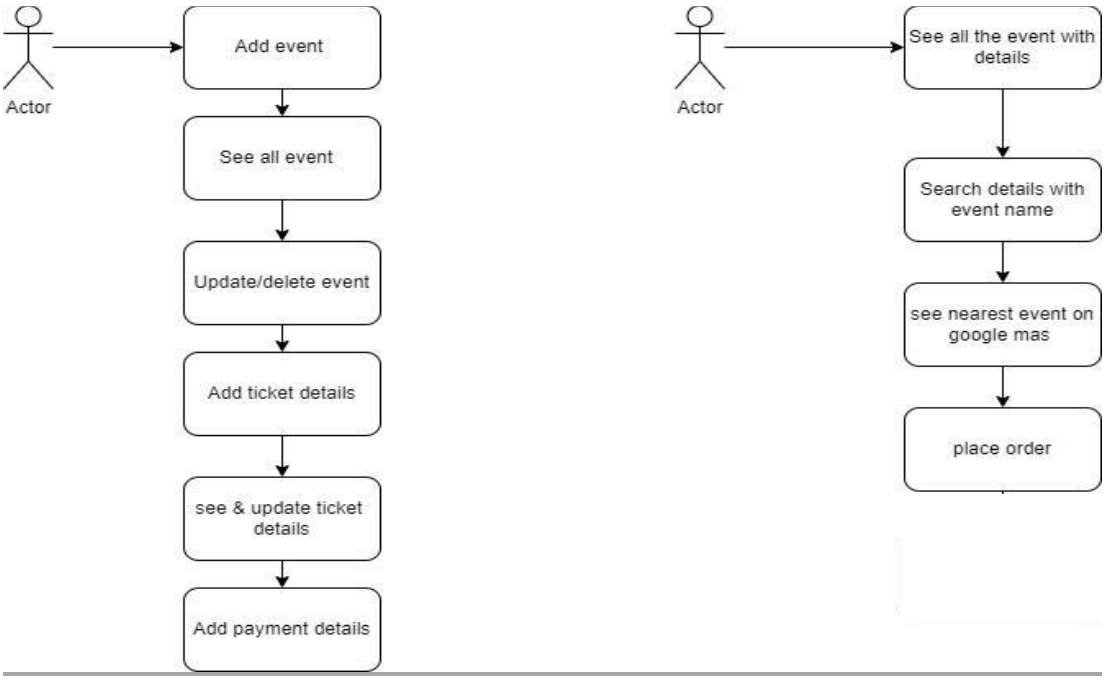
Software Requirements:

1. Operating System : Android
2. Coding Language :Kotlin
3. IDE : Android Studio
4. Database : Firebase

Hardware Requirements:

1. Laptop : i3 Processor
2. Hard Disk : 40GB
3. Monitor : 15”
4. RAM : 8GB

System Diagram:

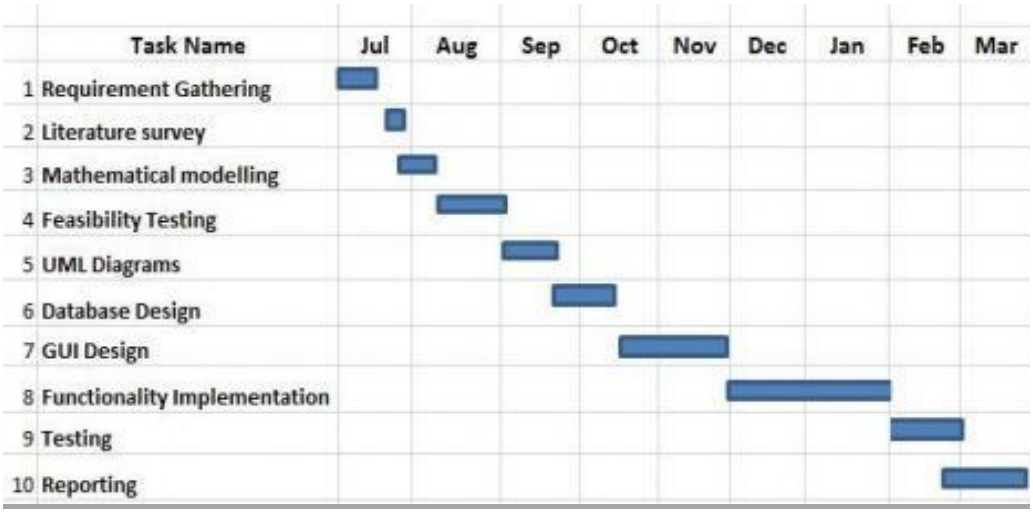


Execution Plan:

A. Scope of Project:

The scope of an event handler encompasses a wide range of responsibilities, from processing different types of events and managing the flow of data within an application to ensuring security, performance, and scalability. The specific scope will vary based on the application's complexity and the types of events being handled, but a well-designed event handler ensures responsive, reliable, and secure handling of events in any system.

B. Plan For Project Implementation(Plan start from Sep-March month):



Conclusion:

Resource booking is an important component of many planning related activities. However, because many of the existing BMS are developed to tightly fit some specific contexts (use cases), they are difficult to be reused, and this leads to duplication of software modelling and development efforts.

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