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EVENTO: Web Application for Organising and Managing Events

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ABSTRACT: This project- "EVENTO: Web Application for Organizing and Managing Events" presents the development and implementation of a comprehensive web application designed to streamline the process of organizing, managing, and executing events of various scales and types. The need for application stems from the intricate and multifaceted nature of planning, organizing, and executing events. This research delves into the creation and utilization of a web application tailored specifically for event organizers and managers. The application gathers and assesses data on various facets of event organization, encompassing scheduling, venue selection, attendee registration, and communication. By harnessing contemporary web technologies and user-friendly interfaces, the application furnishes user-friendly tools and functionalities to facilitate smooth event coordination and execution. This research underscores the significance of harnessing technology to optimize event management processes and enhance overall event outcomes. For event organizers and managers, the web application furnishes a comprehensive platform to streamline their workflow, enhance efficiency, and deliver successful events.

KEYWORDS: Web application, Event organizers, Event managers, Attendee registration, Workflow optimization.

I. INTRODUCTION

Our project "EVENTO: The event organizer and manager web application" aims to simplify the process of planning, organizing, and executing events of all sizes and types. By harnessing the power of modern web technologies, this application offers a comprehensive platform for event professionals to handle every aspect of their events, from initial planning to post-event analysis.

EVENTO caters to a diverse range of users involved in event organization, including: students, IT professionals, marketing and communications professionals, business owners and entrepreneurs, etc. The purpose of this Web Application is to help users combine multiple events and schedules in a customized profile as per their own choices and to share multiple events on a single day to multiple attendees at same time.

The main objective of this application is to help and provide the people to create and share the multiple events to multiple people at the same time. It is the online platform that allows organizers to create, edit, promote, and share their events. Organizers can share the invites of their events. Opportunity for attendees to accept the invites of the events and to keep a track over their progress. This web application is designed with the vision for better organization of the event and offers a user-friendly and intuitive interface, accessible from any internet-connected device, making it a versatile tool for event organizers. It aims to simplify event planning and execution, ultimately enhancing the attendee experience and ensuring the success of a wide range of events.

In the subsequent sections, we will delve deeper into the methodologies and techniques employed in the development of this web application.

II. LITERATURE SURVEY

The literature on event organizer and manager web applications has evolved significantly with the advent of technology, particularly web applications, which have revolutionized the way events are organized, managed, and executed. In this segment, we provide an in-depth analysis of the current body of literature. This literature review provides an overview of the key themes, trends, and technologies shaping the field of event organizer and manager web applications.

The research paper titled [1] "Event Management System" by Vinay Mishra, Madhuri Dubey, Priya Banarjee, Ajvita Jumle, Pallavi Raipure and Pooja Wankhede The study entitled "Event Management System" introduces a system created to streamline event management processes. The system likely discusses various aspects of event management such as planning, organization, scheduling, and execution.

The proposed system of Husnul Budhiraja, Kiron K, P.Satishwar Reddy [2] "Eventiser: An Event planning and management web system" presents a web-based system called Eventiser designed for event planning and management. The system aims to streamline the process of organizing events by providing various features such as creating event listings, managing registrations, handling payments, and generating reports.

The [3] "Event Management" discusses various aspects of event management. It covers topics such as planning, organizing, coordinating, and evaluating events. The paper likely explores different types of events, such as conferences, weddings, corporate events, etc., and may also delve into the challenges and strategies involved in successful event management.

The research paper proposes an [4] "Online Event Management System" (OEMS) designed to streamline event planning and coordination processes. The system aims to enhance efficiency and convenience by allowing users to manage various aspects of event organization online, such as scheduling, budgeting, and communication with stakeholders.

The proposed system of Mohana. S, Mr. P. Anbumani [5] "Online Event Management System ", is a digital platform that improves the organization of various types of large-scale events, including festivals, conferences, formal parties, concerts, and conventions. This system entails analyzing the brand, determining the target audience, conceptualizing the event, and managing the technical details prior to the event's execution.

In [6], " Event scheduler" helped us to learn about scheduling the events of their choice virtually via the internet for hosts. Then they focused on sending reminders via email and SMS, helping users to manage their daily schedule as well as to remember important dates via notifications. The event scheduling web application they have developed can efficiently manage both individual tasks and multiple tasks. Additionally, the system includes a functionality for sharing QR codes, which can aid in creating invitations.

The [7] "Event Management Systems" explores the use of technology in managing events. It discusses various aspects of event management systems, likely including topics such as software tools, applications, and strategies for organizing and coordinating events efficiently.

The research paper titled [8] "Developing Event Management Web Application" discusses the development of a web application for event management. The authors, Dr. Preeti Arora, Manan Gaur, Hitesh Jaisingh, Ritik Pandey, and Tushar Rustagi, present their work in the International Journal of Creative Research Thoughts. The paper likely

outlines the process of creating the web application, including its features, functionalities, and possibly the technologies used in its development.

III. METHODOLOGY

The proposed system "EVENTO", a Web Application that enables users to merge various events into a personalized profile. All of these tasks can be automated, eliminating the need for manual intervention. To achieve this, we have designed an application where organizers can create and modify schedules, while attendees can easily download the event schedule they are interested in. It is an online platform that enables organizers to create, edit, promote, and distribute their events. Organizers can send out event invitations, while attendees have the opportunity to accept these invites and monitor their progress.

In the proposed system, upon entering the application, users are required to provide their login credentials or create a new account if they are new to the system. Once logged in, they will be directed to the home page where they can choose between being an organizer or an attendee. Organizers have the ability to create and edit events, as well as share them with attendees. Attendees, on the other hand, can browse through events and add them to their calendar. Admin users have the privilege of supervising the activities of the application.
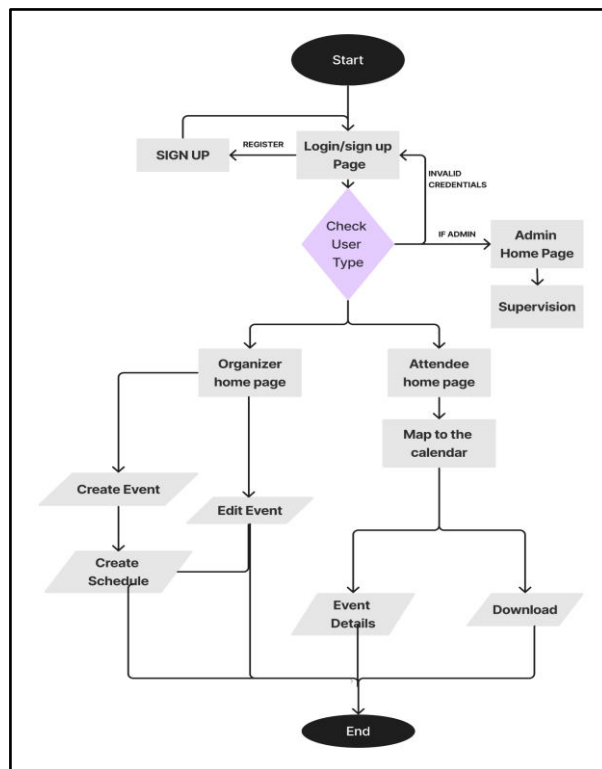

Fig No.01: Flowchart of System

EVENTO is a comprehensive web application designed to streamline the process of organizing and managing events. Whether you're planning a corporate conference, a music festival, or a community fundraiser, EVENTO offers a suite of features to simplify the event management process. EVENTO is a way of providing the user with a platform where they can organize events, browse events, attend events. It will allow you to track and organize all the details of your event in an organized way.

The event organizer and manager web application utilizes a robust set of technologies to deliver a seamless user experience and functionality. At its core, React JS acts as a free and open-source front-end JavaScript library, enabling the dynamic rendering of components for intuitive user interfaces. HTML/CSS provides the foundational structure and styling, ensuring visually appealing layouts and responsive design. Cloud Firestore, powered by Firebase, serves as the

backbone for the application's backend requirements, offering scalable database solutions, robust authentication mechanisms, and reliable hosting services.

IV. IMPLEMENTATION

USER ACCOUNT CREATION

For the new users, to begin using EVENTO, click on the "Sign Up" button. Sign-up will take the details of the user like first name, last name, mobile number, email and username. After giving all these details, users can create an account by tapping on the "Sign Up" button. Then the user will be redirected to the login page again.
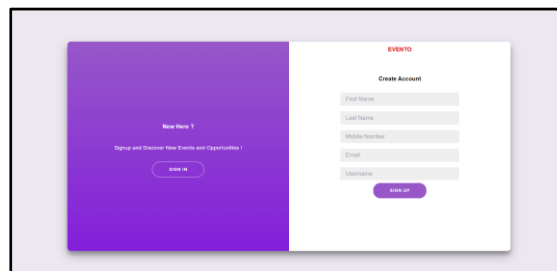
Fig No.02: Creating an account

USER SIGNING IN

If users already have an account, simply click on the "Sign In" button. Users can sign in/login in to their account using mobile number and OTP. The Resend OTP button sends the OTP to the registered number if the user doesn't receive the OTP in time. Once registered, users will have access to all of EVENTO's features.
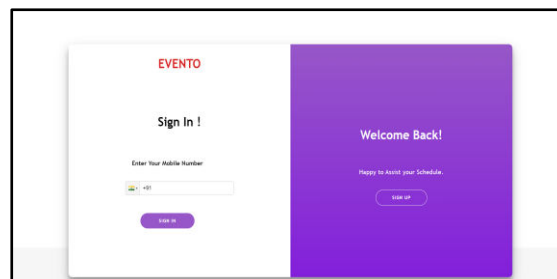

Fig No.03: Signing in

USER TYPE

EVENTO allows users to choose their user type as an 'organizer' or an 'attendee'. After successful login the user is then sent to the prompt where they have to choose between an organizer or an attendee user type.
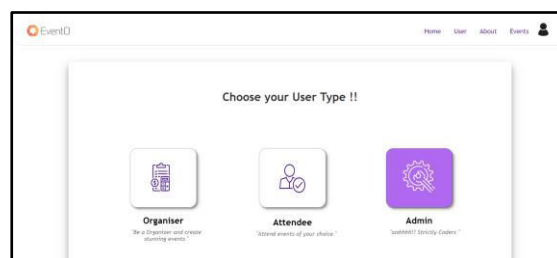

Fig No.04: User choice

EVENT CREATION

After selecting the user type as organizer, the user will be directed to Create Event.

To create a new event, click on the "Create Event" button.

Fill in the event details, including the name of event, date, time, location, and event description. You can also upload images.
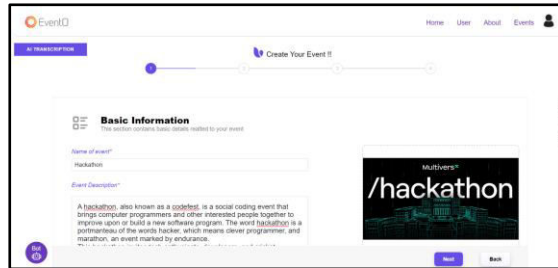

Fig No.05: Create your event

EVENT SCHEDULES

After creating an event, the organizer can add multiple schedules (if any) to the event.

To view the details of each schedule click on the "View" button.
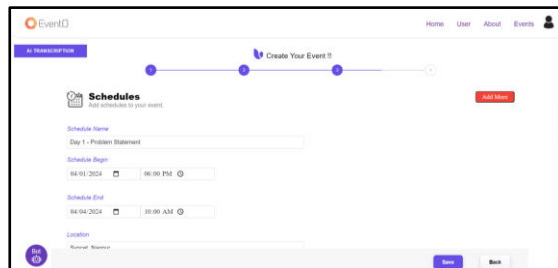

Fig No.06: View schedule

EVENT PROMOTION

Organizers can share multiple events to multiple people on social media or through other channels like Facebook, WhatsApp, LinkedIn, Telegram to attract attendees.
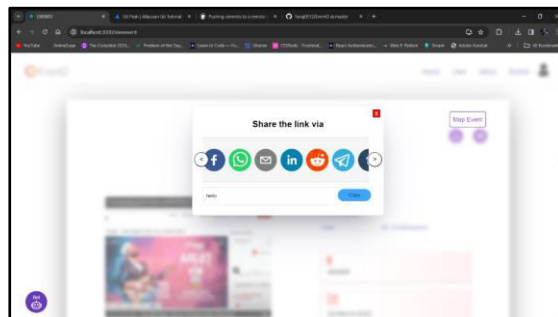

Fig No.07: Share event

DOWNLOAD EVENT SCHEDULE

EVENTO allows attendees to download the event schedule so that they can access it whenever required. After downloading the schedule, attendees can view the details of the event schedule.
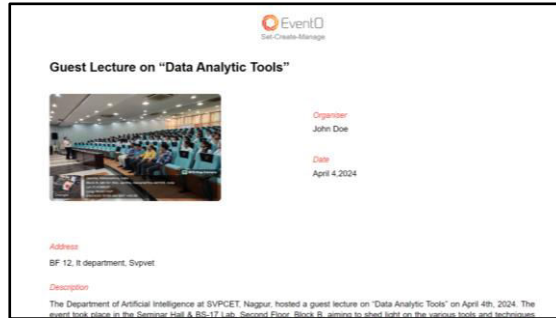

Fig No.08: Downloaded event schedule

V. RESULTS & DISCUSSION

After thorough research and careful consideration, it has been concluded that EVENTO distinguishes itself from other event management web applications through two notable characteristics: the inclusion of a chatbot and a speech-to-text converter, both powered by artificial intelligence (AI) technology. The integration of a chatbot enhances the user experience by providing immediate assistance and prompt responses to inquiries, thereby streamlining communication and improving efficiency. Additionally, the incorporation of a speech-to-text converter offers users the convenience of transforming spoken language into written text, facilitating seamless data input and easy accessibility. These innovative features highlight EVENTO's dedication to utilizing state-of-the-art AI solutions in order to optimize event management processes.
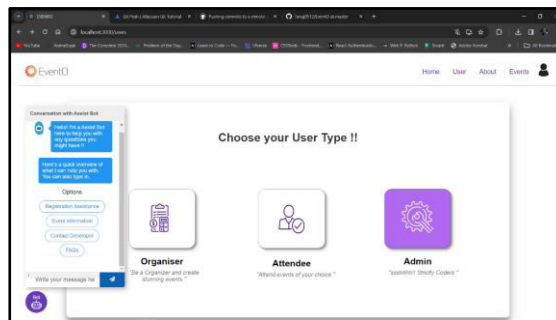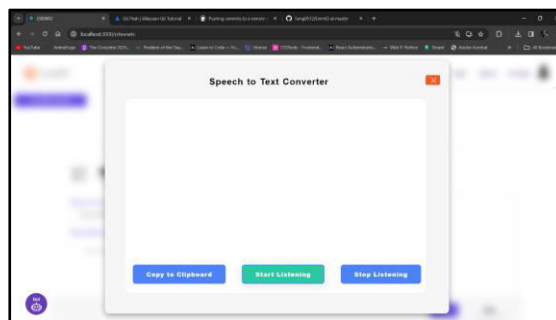

Fig No.09: Chatbot

Fig No.10: Speech to text converter

VI. CONCLUSION

EVENTO: The event organizer and manager web application has been created to streamline the event planning and execution process. By utilizing advanced technologies like web development frameworks, database management systems, and user interface design principles, the application provides a user-friendly experience for event organizers and managers. Its key features include event planning, attendee management, event registration and communication capabilities, all aimed at enhancing efficiency, reducing errors, and improving the overall experience for both organizers and attendees. Also, EVENTO distinguishes itself from other event management web applications through two notable characteristics: the inclusion of a chatbot and a speech-to-text converter, both powered by artificial intelligence (AI) technology. One of the key advantages of application is the time-saving and stress-reducing capabilities for organizers.

REFERENCES

1. Vinay Mishra, Madhuri Dubey, Priya Banarjee, Ajvita Jumle, Pallavi Raipure, Pooja Wankhede, "Event Management System", International Journal of Trend in Research and Development, Volume: 3, Issue: 6, 2016.
2. Husnul Budhiraja, Kiron K, P.Satishwar Reddy, "Eventiser: An Event planning and management web system", International Journal of Advancement in Engineering Technology, Management & Applied Science, Volume: 3, Issue: 6, 2016.
3. Miti Shah, Vedangi Shewale, Mahima Sukal, Sushmita Yadav, "Event Management", International Research Journal of Engineering and Technology, Volume: 6, Issue: 1, 2019.
4. Deepanshu Goyala, Arbab Alib, Md Nafis Haider, "Online Event Management System", Turkish Journal of Computer and Mathematics Education, Volume: 12, Issue: 6, 2021.
5. Mohana. S, Mr. P. Anbumani, "Online Event Management System", International Journal of Research Publication and Reviews, Volume: 3, Issue: 7, 2022.
6. Naman Jain, Shaik Abhishaik, "Event Scheduler", International Journal for Research in Applied Science & Engineering Technology, Volume: 10, Issue: 5, 2022.
7. Drashti Amrish, Hemalata Vasudavan, Nurul Farhaini Razali, "Event Management Systems", Journal of Applied Technology and Innovation, Volume: 7, Issue: 2, 2023.
8. Dr. Preeti Arora, Manan Gaur, Hitesh Jaisingh, Ritik Pandey, Tushar Rustagi, "Developing Event Management Web Application", International Journal of Creative Research Thoughts, Volume: 11, Issue: 6, 2023.

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