Synergy: The Event Management App

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Abstract

Synergy is a powerful, compact package for managing and organizing events. It simplifies the process of managing an event by combining all the essential tools required for making an event a success. Synergy makes it easier to create a meeting and manage the agendas. Managing or leading a team becomes way easier using Synergy. All the important components such as creating a team, managing a team, notifying the team about important events are included and simplified in this app. It digitizes the experience of Event Management by using Cloud Technology. Synergy also helps to manage guest lists, hence being a one stop solution for everything. This project intends to solve the problems of propagating news and information, and also alleviate the problem of traditional event managing procedures such as lots of paper work, or long queue at the registration desk. The objective of this project is to develop an android application which provides interesting news and events. Moreover, users will be able to manage their event participation, such as reserving their seats in events, registering at the event site, and so on. More importantly, this application uses QR code to provide an easy way to verify participants' identity in an event.
Keywords- Java, Firebase Real Time Database, Registers, Testing, Android, Android Studio

I. INTRODUCTION

Managing large scale events with hundreds of people attending it can be a cumbersome task. Creating an event from scratch and managing it requires careful planning, regular meetings as well as daily, weekly and monthly reviews. Not only has that, managing an event also required careful planning of resources (finances and human resources). The organizers need to make sure that there is no wastage of such resources.

Normally, these tasks require numerous applications like WhatsApp (for group notifications), telephone calls (for basic communication), text messages (to send memos), etc.

Synergy – Our event management app will help event organizers to create and manage their event. This will help organizations (and even groups) to accomplish the above-mentioned tasks without any prior experience in managing events.

There are many applications available under the name of Event Management, but what they really are is event planners. These applications only let you manage which all events you are planning to attend, order food and beverages etc. The applications available for maintaining guest list are ISTA Events, Event Management, and Planner etc. The above-mentioned applications also allow you to order food and beverages. There is no application that allows the organizers to connect to each other in a separate domain. They have to rely on applications such as WhatsApp, Hike, WeChat, Allo etc. Innumerable applications are available for Viewing nearest event and attending it, but no application is available for creating and managing your own application.

II. FEATURES

This app will include features like:
- Creating various departments to ensure division of work.
- Schedule meetings with selected set of members.
- Make sure that every member attends a scheduled meeting.
- Different privilege levels for different kinds of users (e.g. admin, mentor, team lead, normal member).

– Support for sending notifications to Android Watch
– Sell QR-Code based tickets on the app itself to reduce paperwork.
– Manage guest lists.
– And many more features.

As mentioned above, the app will not only help in creating and managing the event, but also help the event organizers a few days prior to the day of the event by eliminating the need of physically checking tickets, since they will be authenticated by the app itself.

This event management app will significantly improve the efficiency of the whole process by automating most of the processes that are done by the organizers manually. This app will make sure that the event does not suffer from gaps in communication and other technical errors that are bound to happen if the tasks are carried out manually.

III. METHODOLOGY

– User can view existing events which are planning phase or create an event of his own.
– Create event.
– Provide the basic information such as date of event, organizers name.
– Define all the Post and teams associated with your event.
– The members, who have been allotted these posts, will join the event under their post. After they apply a request is sent to admin and after verifying, the admin will accept their request.
– A committee of event organizers is created.
– Meetings can be called by the team leads for their team or by the admin for the committee as a whole.
– Agenda for the meeting is decided by the meeting creator.
– After the meeting, an automated report is generated that contains all the points covered in the meet. This report can be viewed by the Mentor, Admin and other members.
– A transparent progress bar is created that shows the event progress so far and how much work is still left.
– User can also manage guest lists.

IV. KEYWORDS

A. *IEEE Keywords*
– Java
– Firebase Real Time Database
– Registers
– Testing
– Android
– Android Studio.

B. *INSPEC: Controlled Indexing*
– Smart phones
– Laptop
– Android Watch

C. *INSPEC: Non-Controlled Indexing*
– Participant identity verification
– Android application
– Event management
– Information propagation
– News propagation
– Event participation
– Transparent progress bar
– Agenda for the meeting
– Manage guest lists

V.   CONCLUSIONS

Synergy is an Event management app which will help the user to:

A. *Join/Create Event*
–   View existing event or Create an event of your own

B. *Define Teams and Groups*
–   Define the associated teams and posts and divide the work accordingly.

C. *Call Meetings*
–   To decide and discuss the upcoming agendas and achieve them.

D. *Define Progress using a Progress Bar*
–   To track overall work done and work left in the remaining number of days.

E. *Notification Alerts*
–   To notify users regarding important dates, meets and other things on their phones and android watches.

F. *Create Guest List*
–   To maintain the list of people expected or attending the event.

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