**Final Project Documentation**

**Project Title: ArrangeIt**

**(Platform for Event organizers)**

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**Features:**

This project aimed to build an android app which would work as a platform for the event organizers of various types. Due to the sudden outbreak of COVID-19 the app so far contains only the basic and primary features which will make the app functional and serve the purpose of its creation which is to work as an interface between the customers and event organizers.

Current features includes:

* Signing up users based on two categories. “Users” and “Organizers”.
* Login option for both types of users.
* Authentication of login using firebase authenticator which also ensures no two user can register with the same email id.
* Displaying different messages for different kind of login failure exceptions-i.e., email not found in database, wrong password etc.
* Storing all the necessary information of a user.
* Validity checking of emails and phone numbers provided by the users.
* User can not register without providing all the required information.
* Basic profile page for a user.
* Logout option for the users.
* Automatic login service if the user does not logout.
* Real-time database service using firebase.
* Different menu buttons for different categories of users.
* Additional “visit organizers” menu button for the users of “users” category.
* Providing the “Users” option to view all the “Organizers” that are registered through the app in a recycler-view upon clicking the “visit organizers” button.
* Showing all the necessary details of the organizers including their contact details to the “users” so that users can contact the organizers for further communication.
* Regular user can create a detailed post about an event.
* Organizers can see all the upcoming events and contact the event proposer through the contact details provided.

**What I could not do:**

Though my project is **almost 90% done** from what I proposed it would have been much better if I could finish the remaining features of the proposal.

The feature I could not complete:

* + Post created by the regular users will be sent as a notification to the organizers where they can confirm their availability.

I planned to implement this feature in such a way that whenever a user posts a post, the notification will be sent to all the registered Event Organizers. The organizers then will have a button at the bottom of that post “Confirm Availability” to confirm their availability during the proposed event. The user who created the post will be able to see which of the organizers have confirmed their availability for the event. Based on that the user will contact only with the organizers who are available.

Due to the sudden change of overall situation I could not implement this feature as sudden cancelation of the semester resulted in huge amount of workload from all of the courses.

Also as I had to leave Dhaka on 17th March from then I do not have decent internet connection which turned out to be a major issue as I was mostly dependent on the internet based resources.

**What can be done in the future:**

Besides implementing the remaining feature there are some other features which can be added:

* General users can rate event organizers.
* General users can give reviews of the event organizers’ service.
* There may be a chat system where the general consumers and event organizers will be able to communicate.
* General users can search for the event organizers by name and location using the search bar.

**Internet Resources:**

Here are some resources from where I learned necessary stuffs to be able to build this project:

* [Add firebase to your project](https://firebase.google.com/docs/android/setup)
* [Firebase login and authentication tutorial](https://blog.mindorks.com/firebase-login-and-authentication-android-tutorial)
* [How to store data on firebase(1)](https://firebase.google.com/docs/database/android/read-and-write)
* [How to store data on firebase(2)](https://stackoverflow.com/questions/42682633/how-to-store-user-data-using-firebase-in-android)
* [How to work with real-time database (Firestore)](https://www.youtube.com/watch?v=RiHGwJ_u27k)
* [How to retrieve data from Firestore](https://firebase.google.com/docs/database/admin/retrieve-data)
* [How to use RecyclerView to show data in a list](https://developer.android.com/guide/topics/ui/layout/recyclerview)