

## Organizer - Decluttering Life

In modern households, hectic work schedules make it difficult to remember as well as manage mandatory commodities. Our app helps you in keeping track of items, meetings, appointments in your everyday life.

This App was developed on **Android Studio** requires -

- Minimum SDK version - 23
- Target SDK version - 30

You can access the project from the following google link :

<https://drive.google.com/file/d/1ZRB2EnPcg6iCW-JF5-jQ0fLxRK7CQlhS/view?usp=sharing>

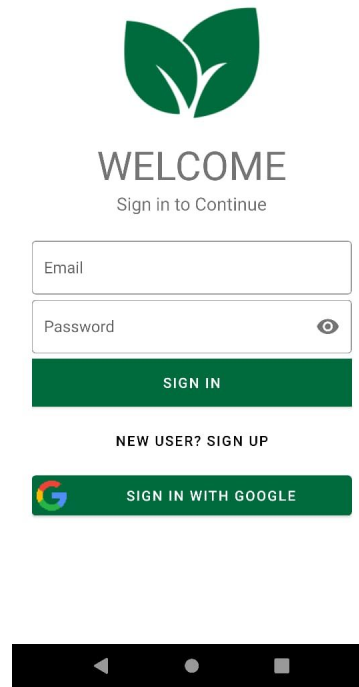
This app provides the following features :

1. Google or email Sign In
2. Phone authentication via distinct OTP
3. Email authentication via a link sent to user email
4. To-Do list
5. Item detail sharing
6. Notifications on the upcoming tasks
7. Notification to update items on a specific time(11:15 am)

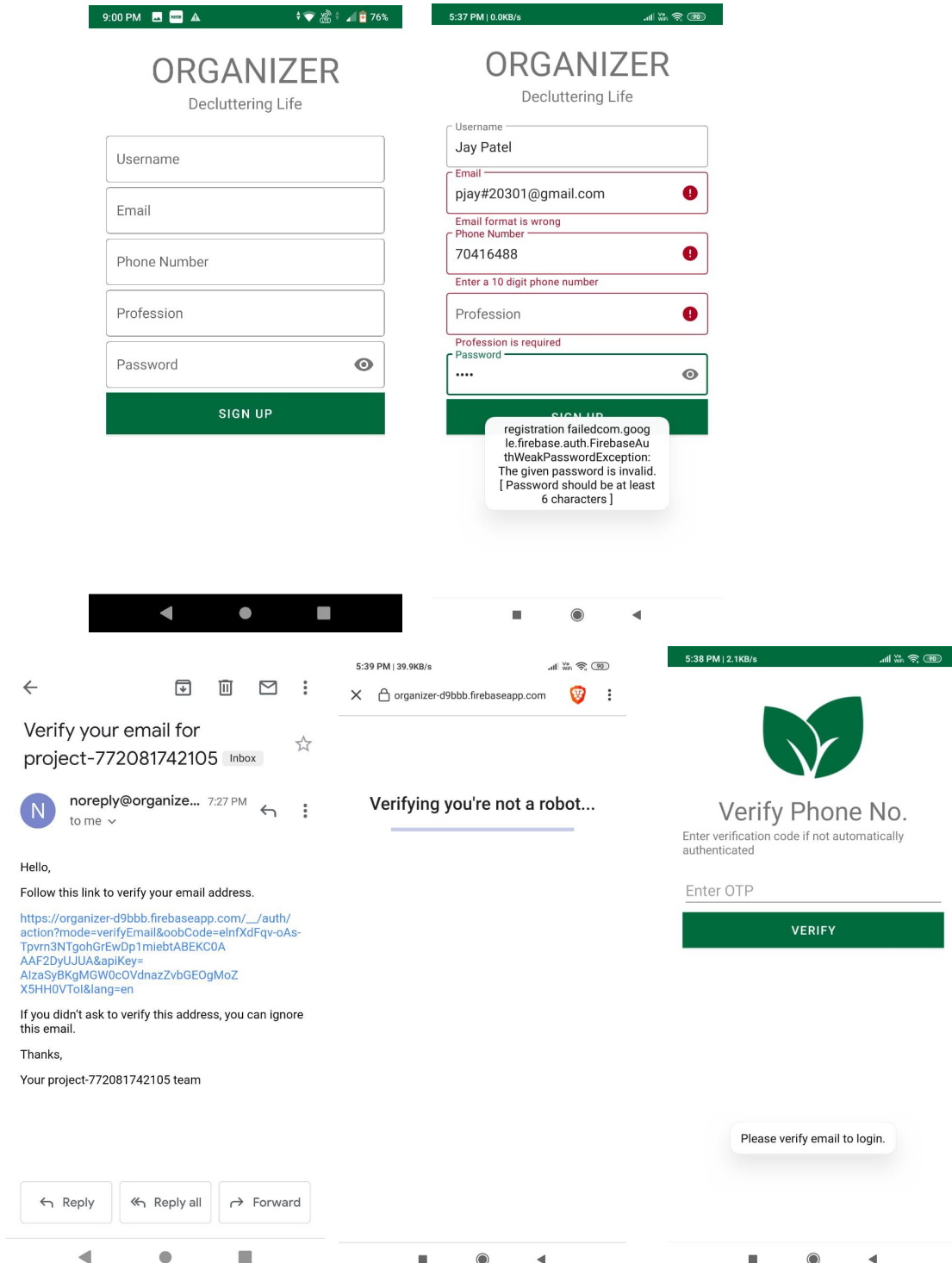
Assumption:

1. Email used for registration is a BITS student mail.
2. Phone number used for registration is an Indian phone number

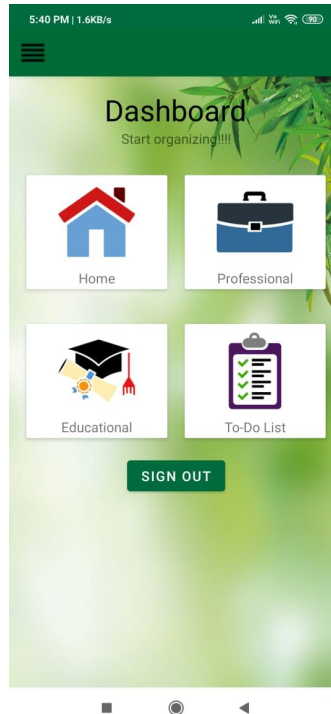
A splash screen appears on the launch of the app. The next screen is a login screen which gives the user an option to Sign In via google or by using email and password, create a new account via email.



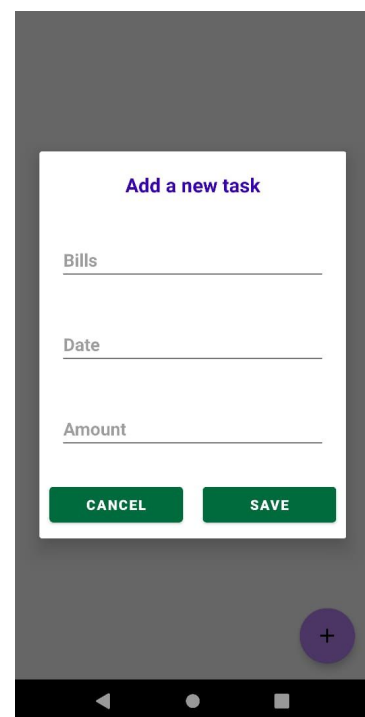
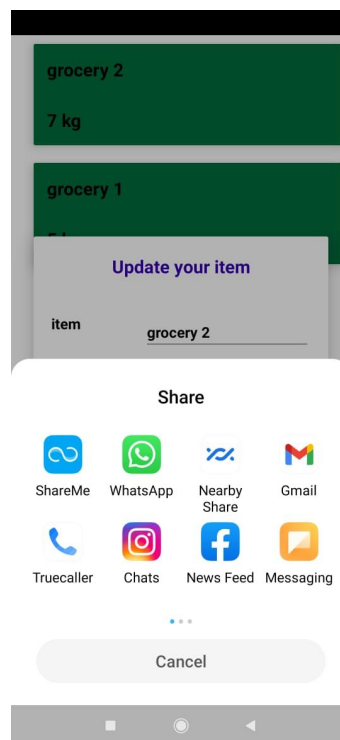
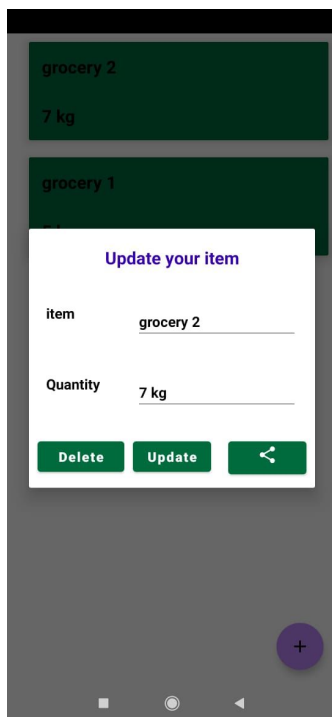
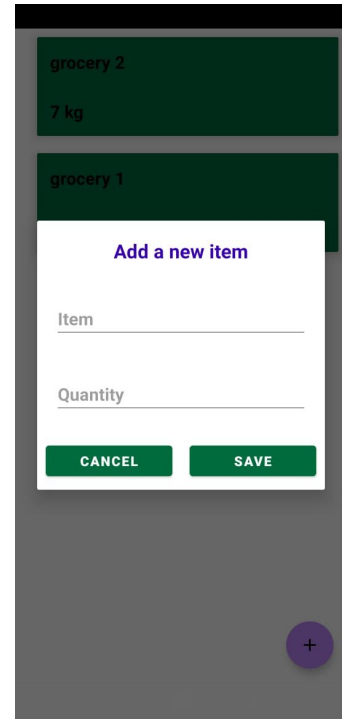
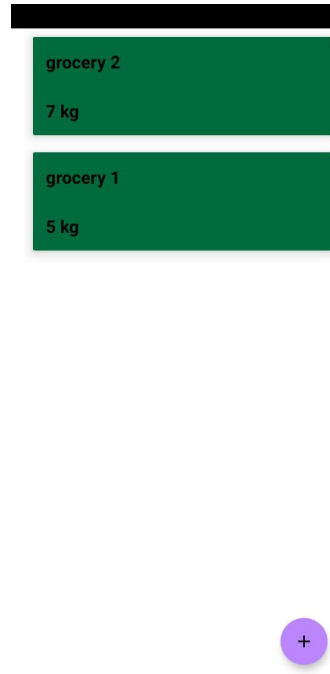
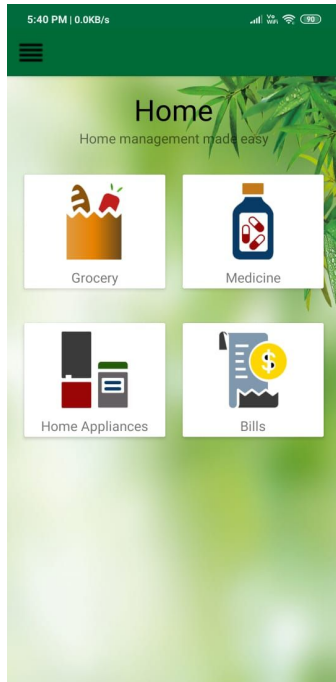
On creation of a new account, the user has to enter Username, email, phone number and password. The inputs are first verified via appropriate regex expressions. On clicking the create account button an email containing a link for verification is sent to the user which unless verified does not allow the user to login. A verification screen to check whether the user is a robot or not appears next. A unique OTP is then sent to the entered phone number. After OTP verification, the user is sent to the Login screen.



On successful login, the user is sent to the dashboard screen. The screen contains links to 4 other intents and also contains a signout option.

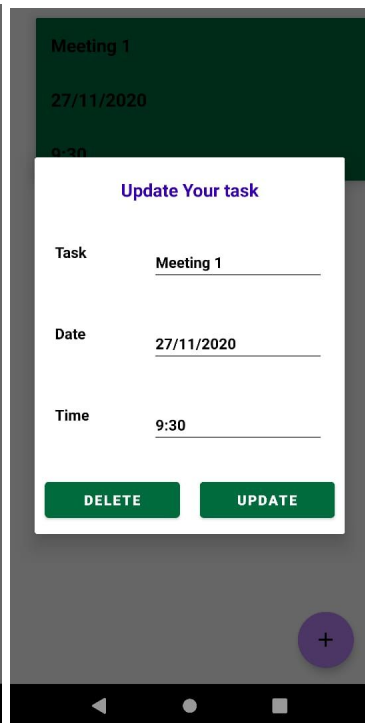
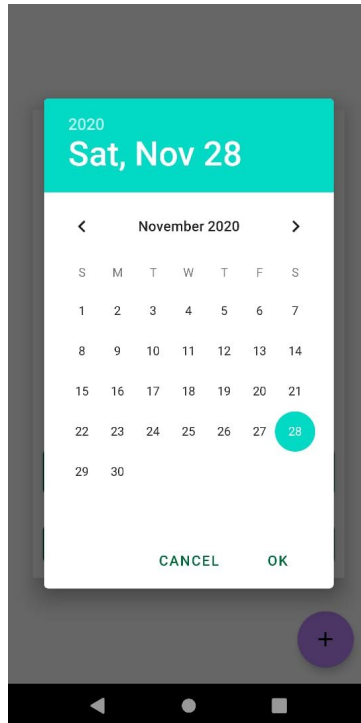
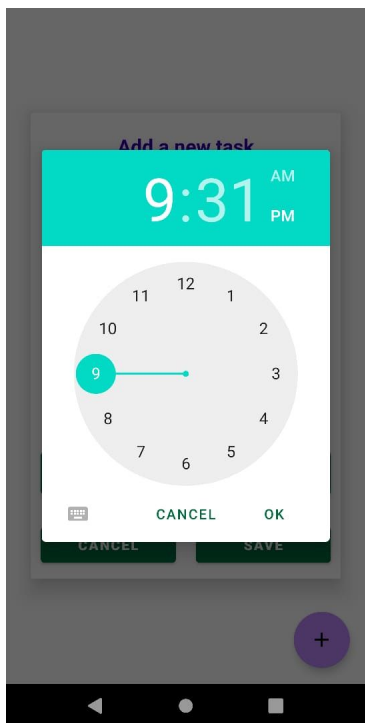
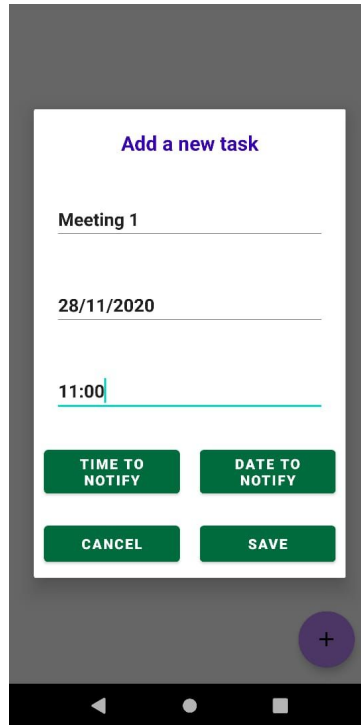
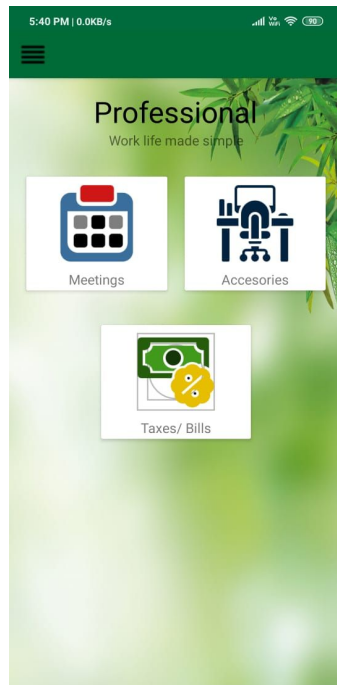


- **Home Screen:** This activity contains links to 4 other activities- grocery, medicine, home appliances and bills. The User can enter, update or delete multiple item names and quantities in the grocery section. Similar functionalities exist in the medicine, home appliances section. In the bill's section, the user can enter the bill name, date and amount.

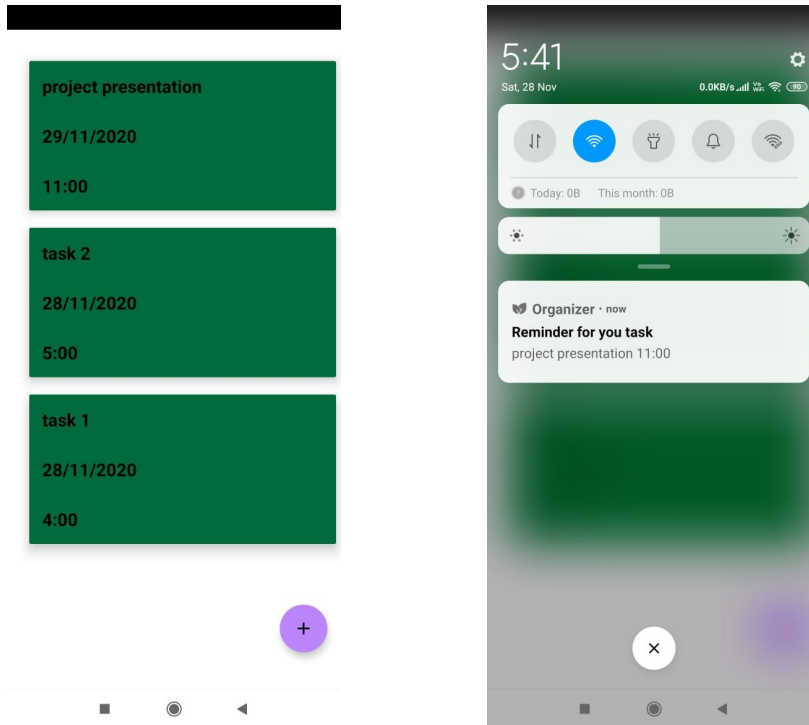


- **Professional Screen:** This activity contains links to 3 other activities- meetings, accessories, taxes. The User can enter, update, delete and share the notification

information and set the date and time for the notification in the meetings section, item name and quantity in the accessories section, bill name, date and amount in the tax section.



- **Educational Screen:** This activity contains links to 3 other activities- stationery, books, sports equipment. The User can enter, update, delete and share item name and quantity in all the sections.
- **To-Do List:** The User can enter, update, delete and share the notification information and set the date and time for the notification of any task here.



Challenges faced during the project :

- Dynamic linking to the realtime database.
- Retrieving information from the database.
- Storing data in the recycler view.
- Debugging error due to wrong inclusion of JSON file.
- Storing the data of account in the database.

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