CS F213 Project: Group 51

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Track And Trigger

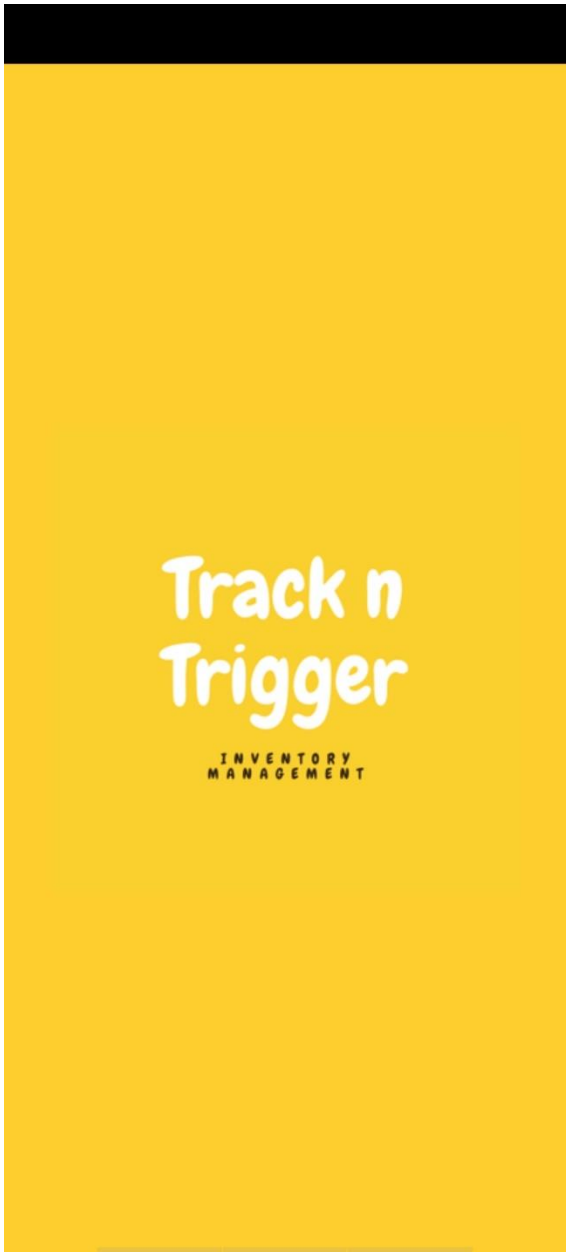
In modern household, due to hectic work schedules, it is quite difficult to remember as well as manage the availability of mandatory commodities.

We have tried towards a solution by developing an automated android application to keep track of the regular activities and aid people in managing the daily home inventories.

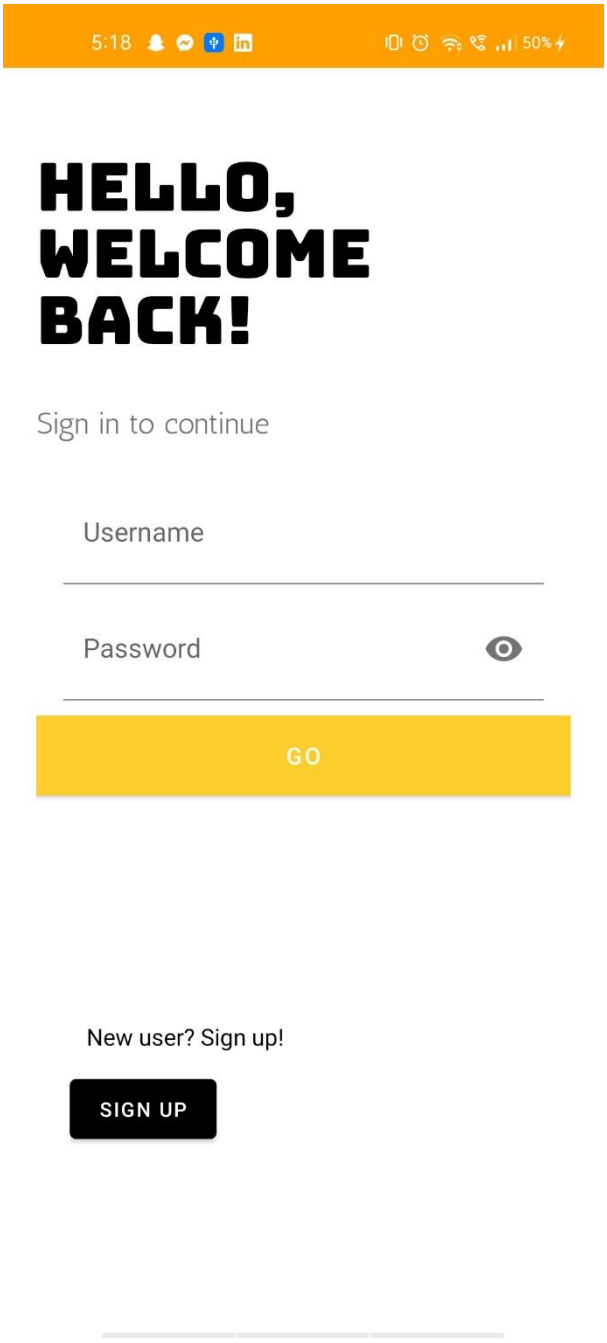
Android Requirements: minSDK Version 26 , Target SDK Version 30
(Tested on Android- 8.0 HoneyComb)

#Functionalities

Welcome Page
(Splash Screen for 5 Seconds)



Login Page


5:18
50%
HELLO, WELCOME BACK!
Sign in to continue
Username
Password
GO
New user? Sign up!
SIGN UP

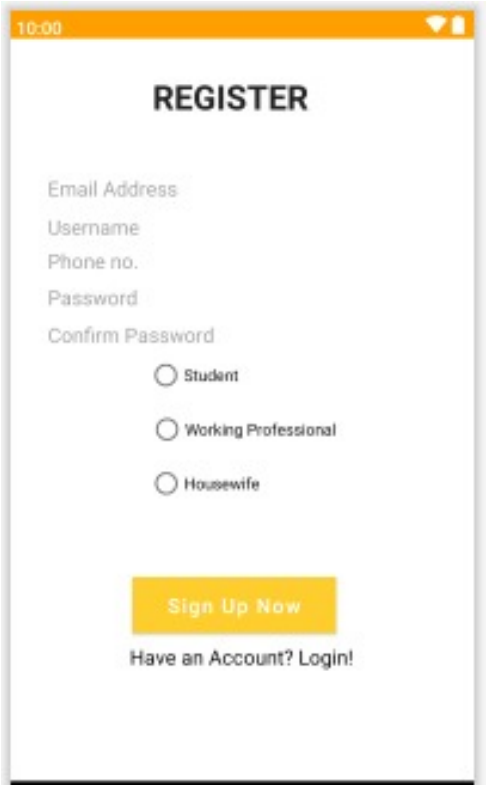
Sign Up

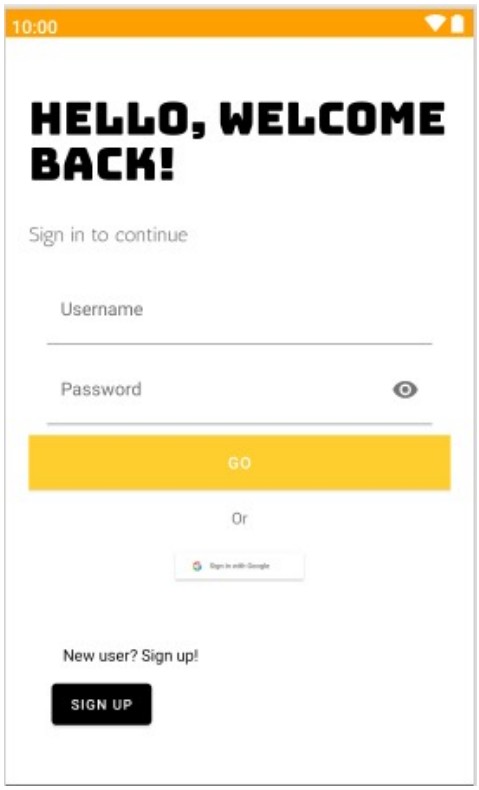
(Regex Implemented)

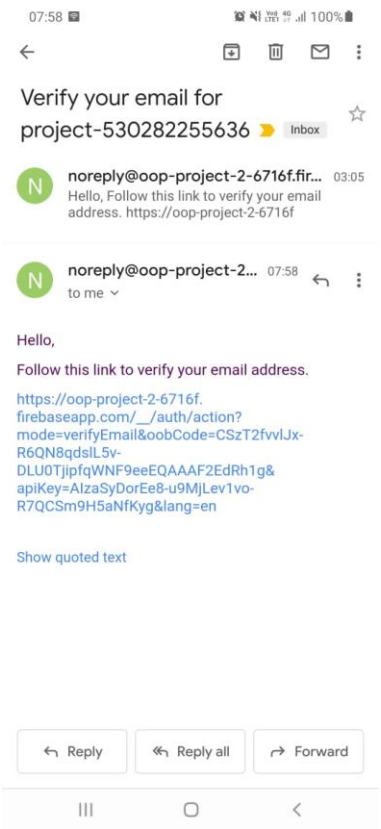
We have provided the following functionalities for verification & login:-

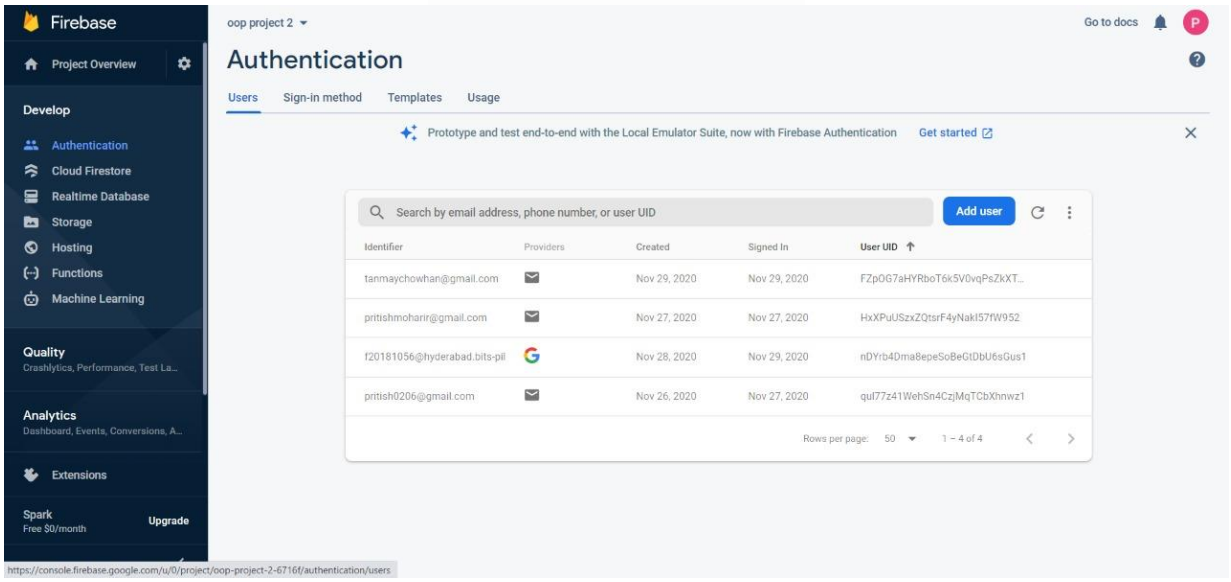
i) via Email

ii) Google Sign In






07:58
100%
Verify your email for project-530282255636
Inbox
noreply@oop-project-2-6716f.fir... 03:05
Hello, Follow this link to verify your email address. https://oop-project-2-6716f
noreply@oop-project-2... 07:58
to me
Hello,
Follow this link to verify your email address.
https://oop-project-2-6716f.firebaseapp.com/__/auth/action?mode=verifyEmail&oobCode=CSzT2fvvlJx-R6QN8qdsIL5v-DLU0TjipfqWNF9eeEQAAAF2EdRh1g&apiKey=AIzaSyDorEe8-u9MjLev1vo-R7QCSm9H5aNfKyg&lang=en
Show quoted text
Reply
Reply all
Forward


Firebase
oop project 2
Go to docs
Project Overview
Authentication
Develop
Authentication
Cloud Firestore
Realtime Database
Storage
Hosting
Functions
Machine Learning
Quality
Crashlytics, Performance, Test La...
Analytics
Dashboard, Events, Conversions, A...
Extensions
Spark
Free $0/month
Upgrade
Users
Sign-in method
Templates
Usage
Prototype and test end-to-end with the Local Emulator Suite, now with Firebase Authentication
Get started
Search by email address, phone number, or user UID
Add user
Identifier
Providers
Created
Signed In
User UID
tanmaychowhan@gmail.com
Nov 29, 2020
Nov 29, 2020
FZpOG7aHYRboT6k5V0vqPsZkXT...
pritishmoharir@gmail.com
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HxXPuUSzxZQtsrF4yNakl57fW952
f20181056@hyderabad.bits-pil
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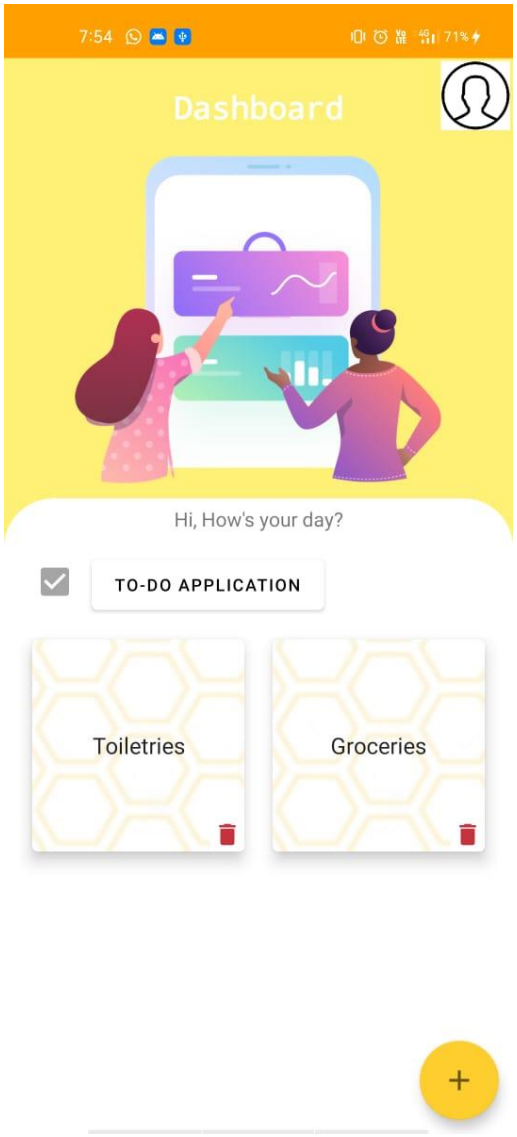
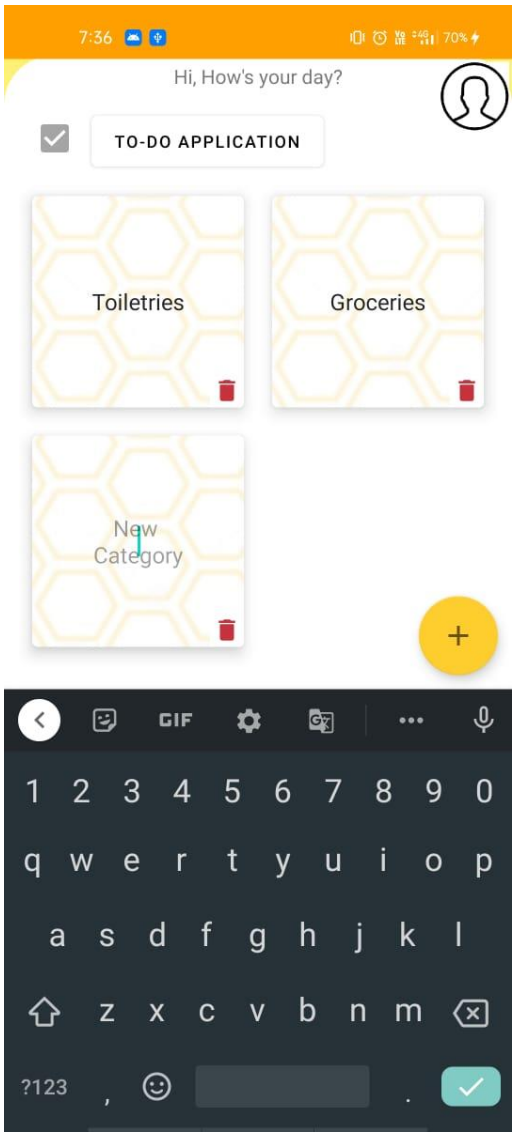
nDYrb4Dma8epeSoBeGtDbU6sGus1
pritish0206@gmail.com
Nov 26, 2020
Nov 27, 2020
quI77z41WehSn4CzjMqTCbXhnwz1
Rows per page: 50
1 – 4 of 4
https://console.firebase.google.com/u/0/project/oop-project-2-6716f/authentication/users

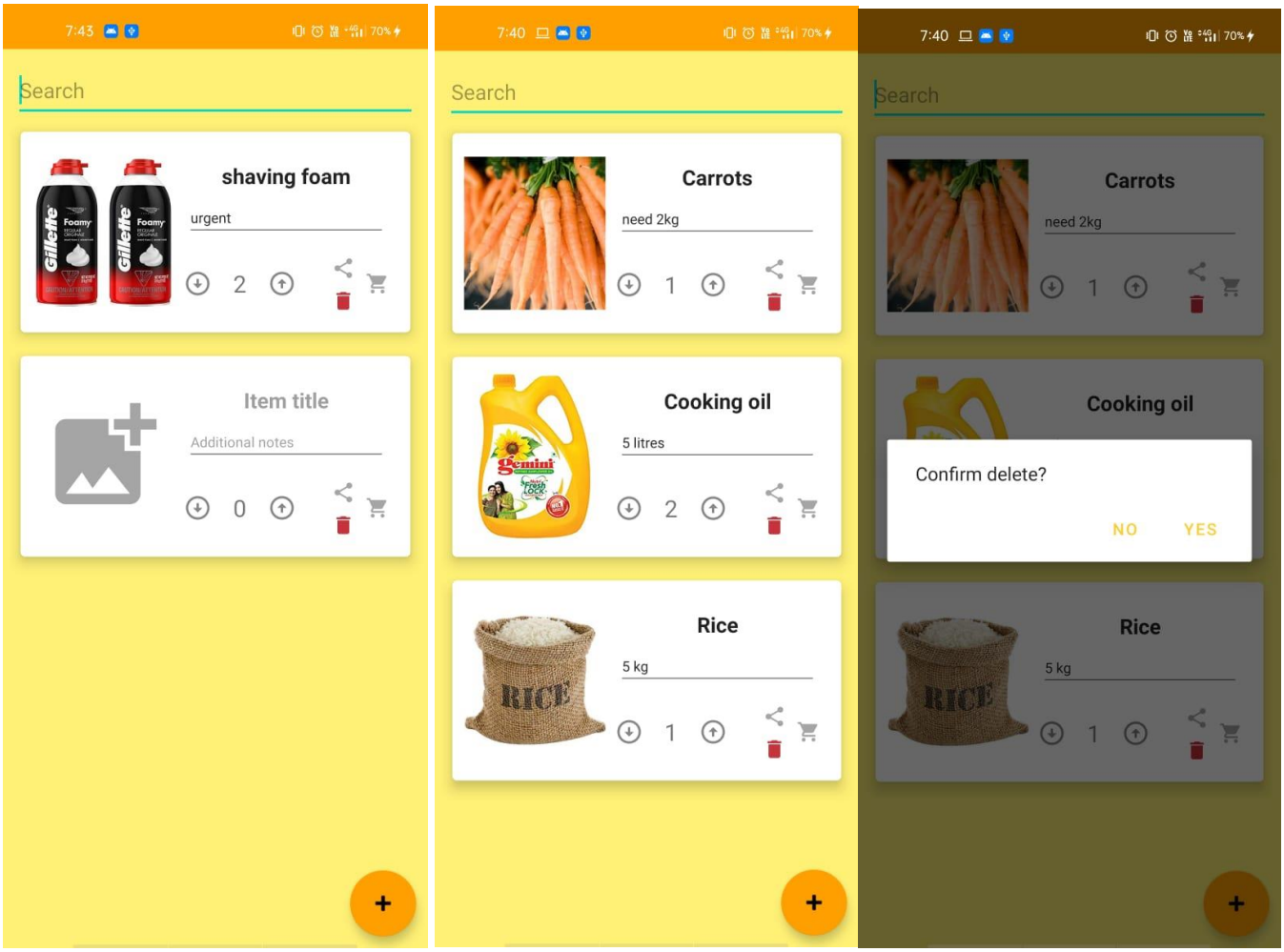
Dashboard

After logging in, we will navigate to the Dashboard screen.
User can switch between to-do list, tracker or user profile.



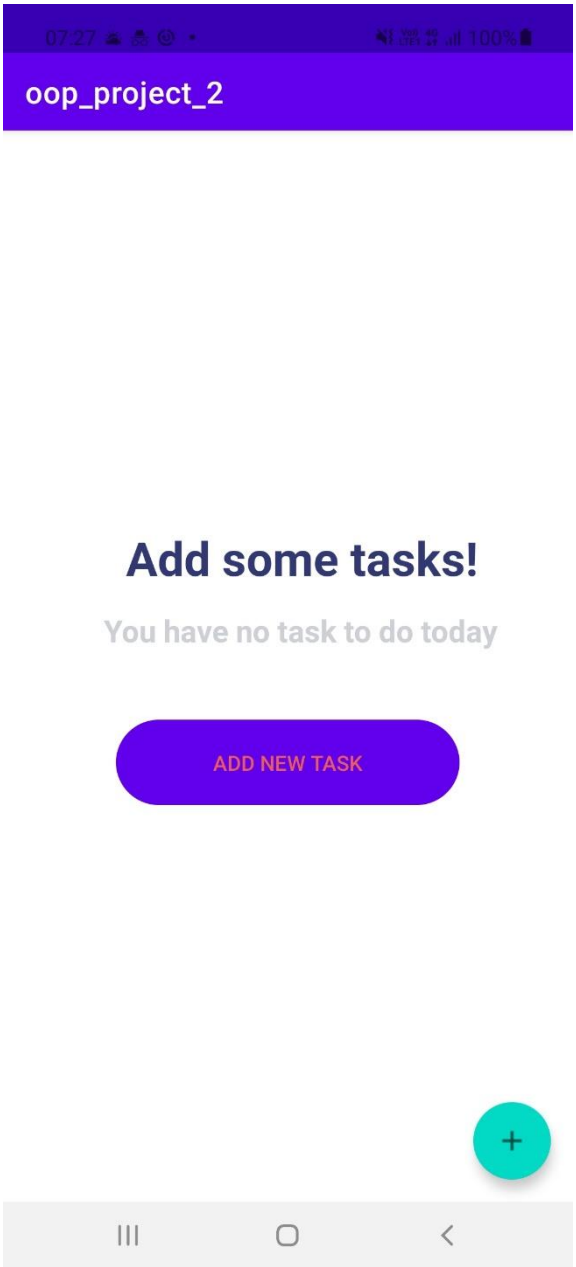


TRACKER

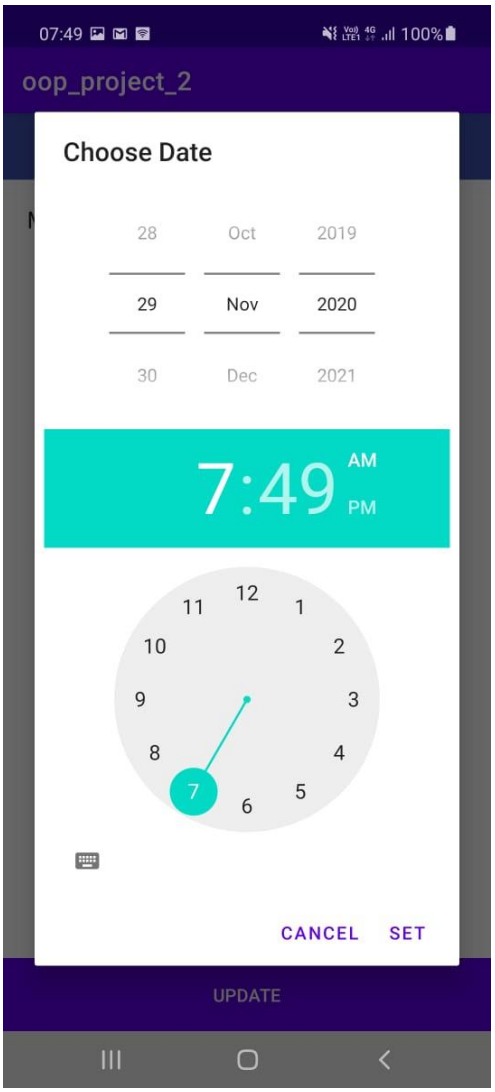

Search
shaving foam
urgent
2
Item title
Additional notes
0
Search
Carrots
need 2kg
1
Cooking oil
5 litres
2
Rice
5 kg
1
Search
Carrots
need 2kg
1
Cooking oil
Confirm delete?
NO
YES
Rice
5 kg
1

TRIGGER

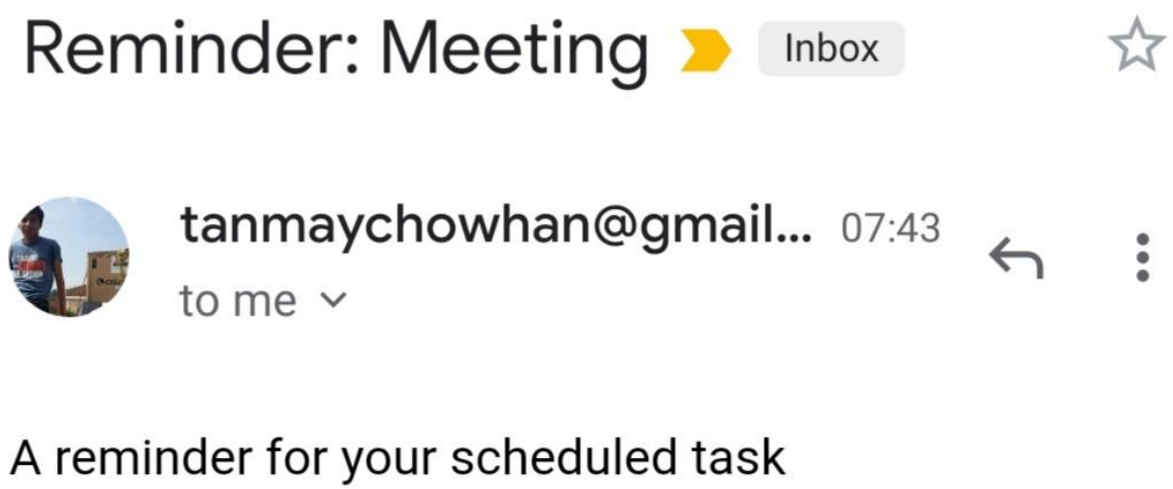
User may also schedule various tasks and receive email-notifications 1 hour prior to the scheduled time.



Selecting Task :



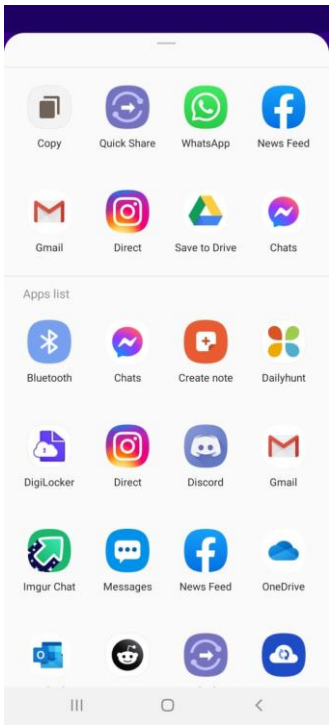
Sample Email notification :

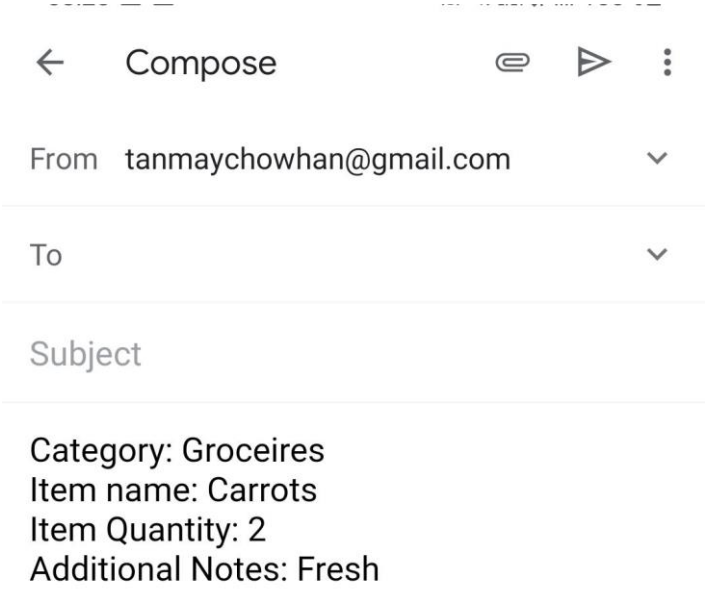


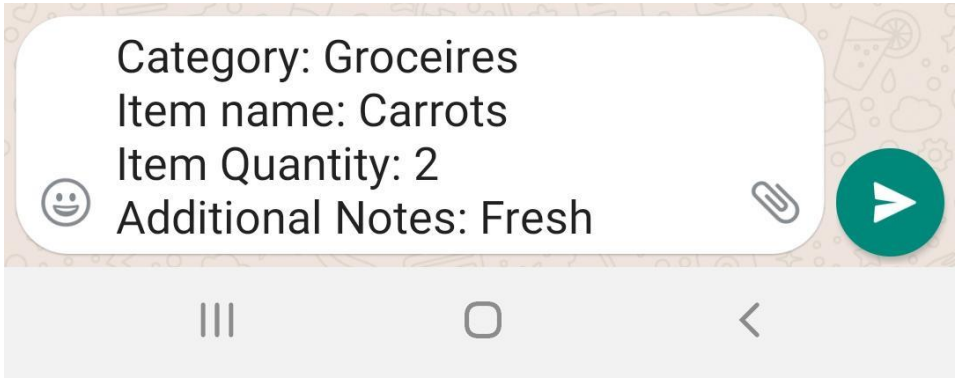
Share!

The user can also share the details of any item through other social media app!

User can keep up with their inventories by sharing the details with their Families.







Framework Deployed:

Android Studio

Databases Used :

1) Firebase Firestore :

With everything being cloud based Firebase made implementation and collaboration much easier,easily available and descriptive documentation made development experience very smooth.

2) Firebase Storage :

Huge Image files cannot be stored in Firestore, thus Firebase offers the Cloud Storage.

3) SQL Lite :

One of the most widely used databases, was also used in the implementation.