

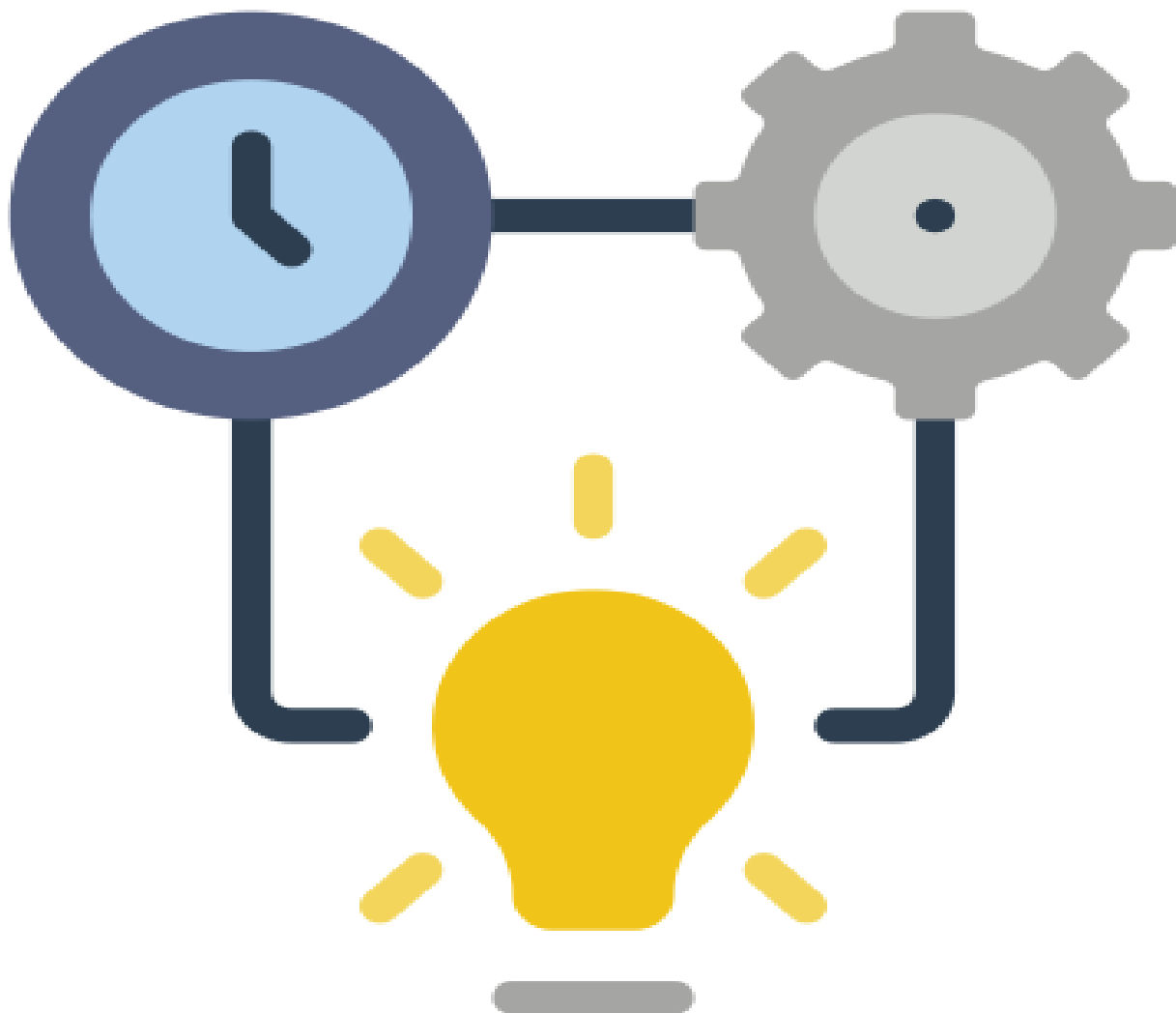
CS F213 Project Work

Track And Trigger App

A Brief Overview

Group 64:

1. Akshat Anil Jain - 2019A7PS0117H
2. Akshat Singhai - 2019A7PS0034H
3. Arjun Prasad - 2019A7PS0183H
4. Kommepally Deva Sai Harsha - 2019A7PS0012H



Introduction

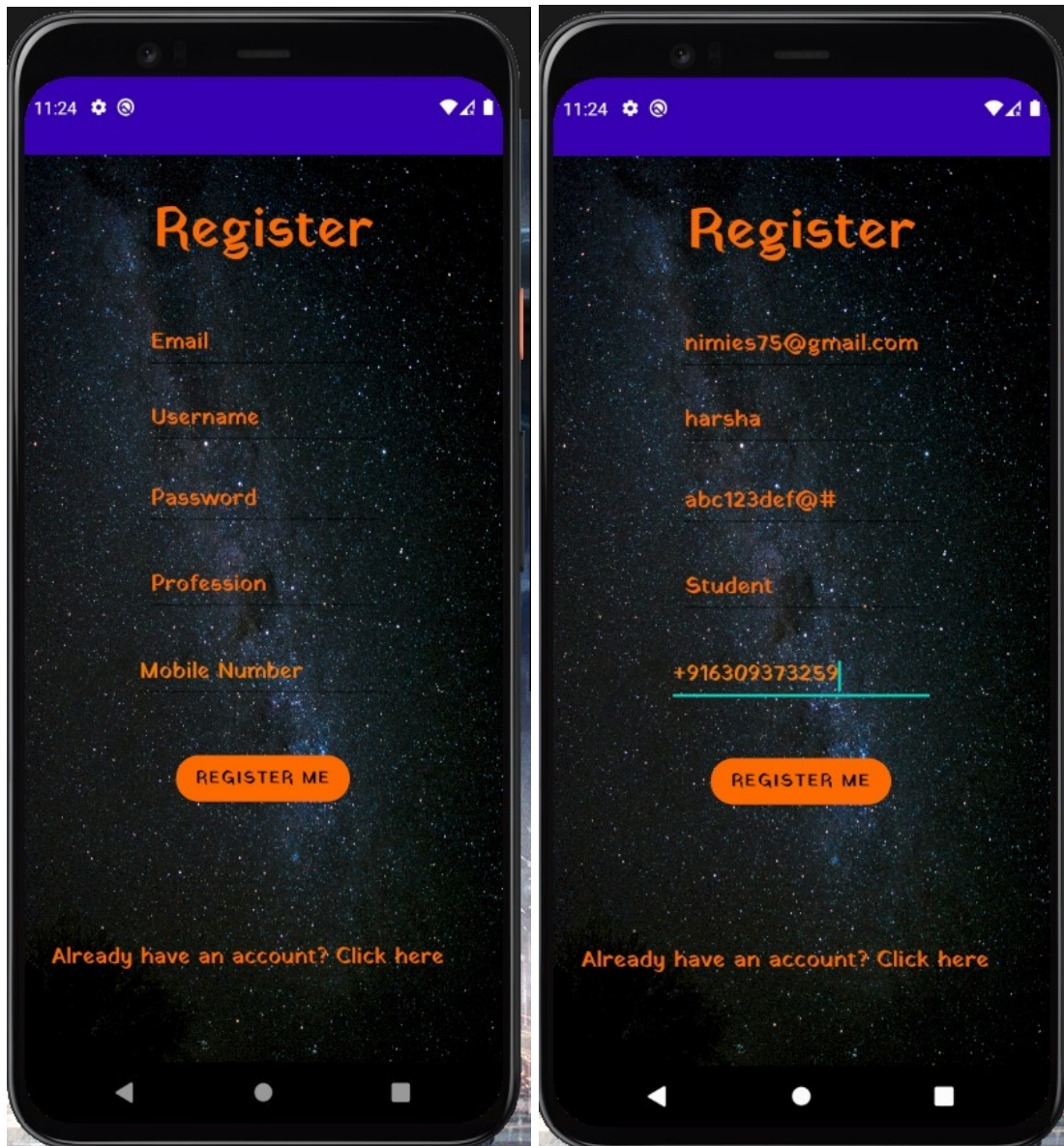
The Track and Trigger App is a personal productivity-enhancing app and is a very useful app for the Modern-day human. The app takes user details like username and password for sign-in once the user has already Signed up, and for the first time users, it gives an option to sign up using Phone number, E-mail, or both. The app is a to-do list app, not only for working professionals, but also for homemakers, job-seekers, and others who fail to keep track of their inventories or scheduled meetings which in turn either delay or terminate their regular duties. Sometimes, most people forget that they already have sufficient stock of a certain item, and end up re-buying the same stuff again (toothpaste, soap, face wash, etc.) as a result lose money and time. The inability to efficiently manage the home inventories will not only impact work schedules, but also causes stress, anger, and impatience.

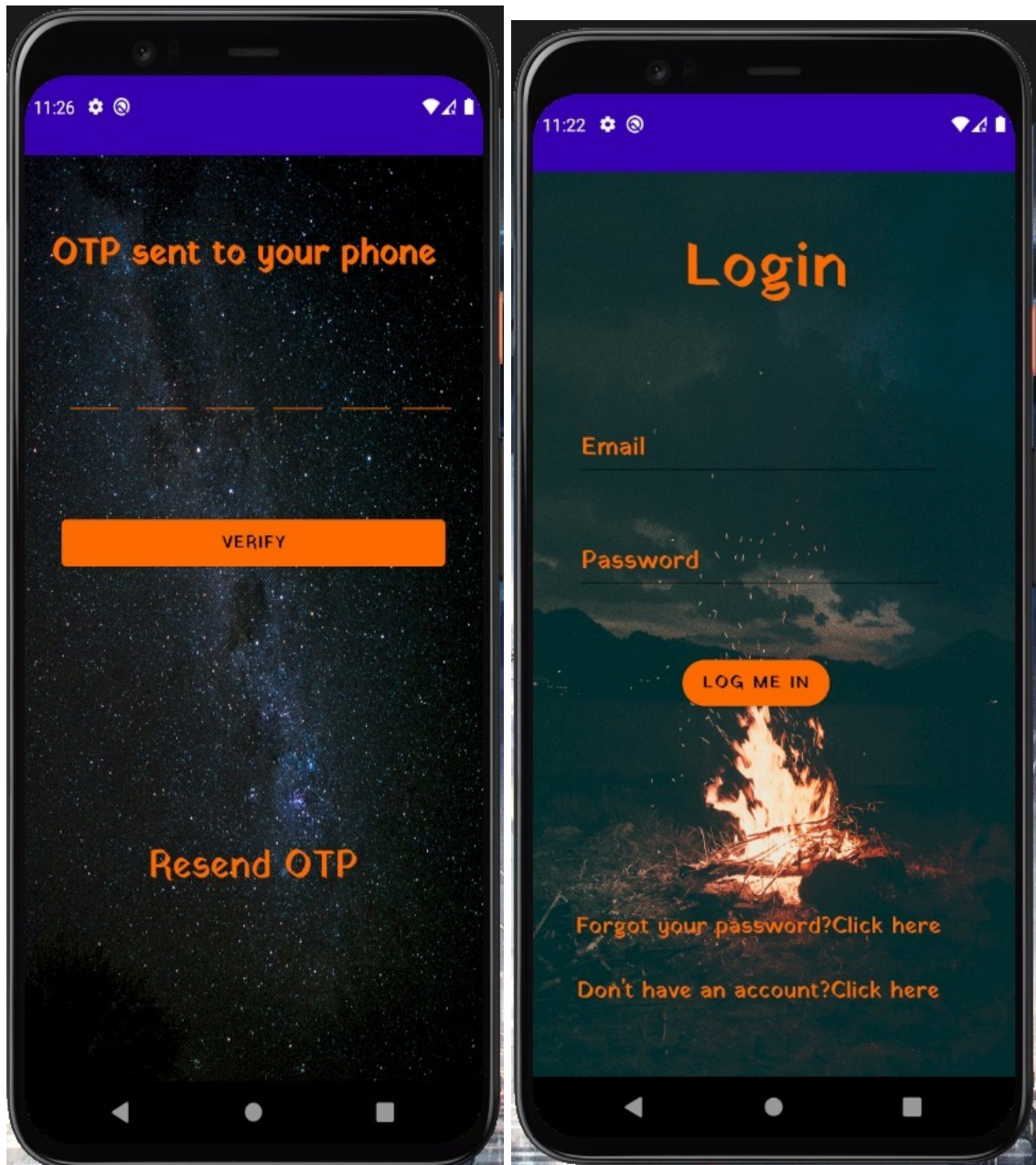
The app uses **Firestore Database** to store important information like users Personal details, a list of all the to-do tasks, including meetings, repairing household appliances, and lets the user add and subtract, or even delete items from the Groceries card of the dashboard. The App keeps a track of the items required, tasks to be done, etc and provides a reminder to the user at appropriate times.

Main Functionalities of the App

1. **Login/Register:** The app, called “DoYourTasks”, uses the Firestore Database to store the login details of the user using the app. Registering in the app is possible through both phone-OTP Verification and Email-OTP verification. The registration page UI has two Edit-Text Boxes where the user enters their email and password and gets an OTP on the specified Email or Phone Number, and then the user has to verify their account by entering the OTP in the “Enter OTP” Edit-Characters area.

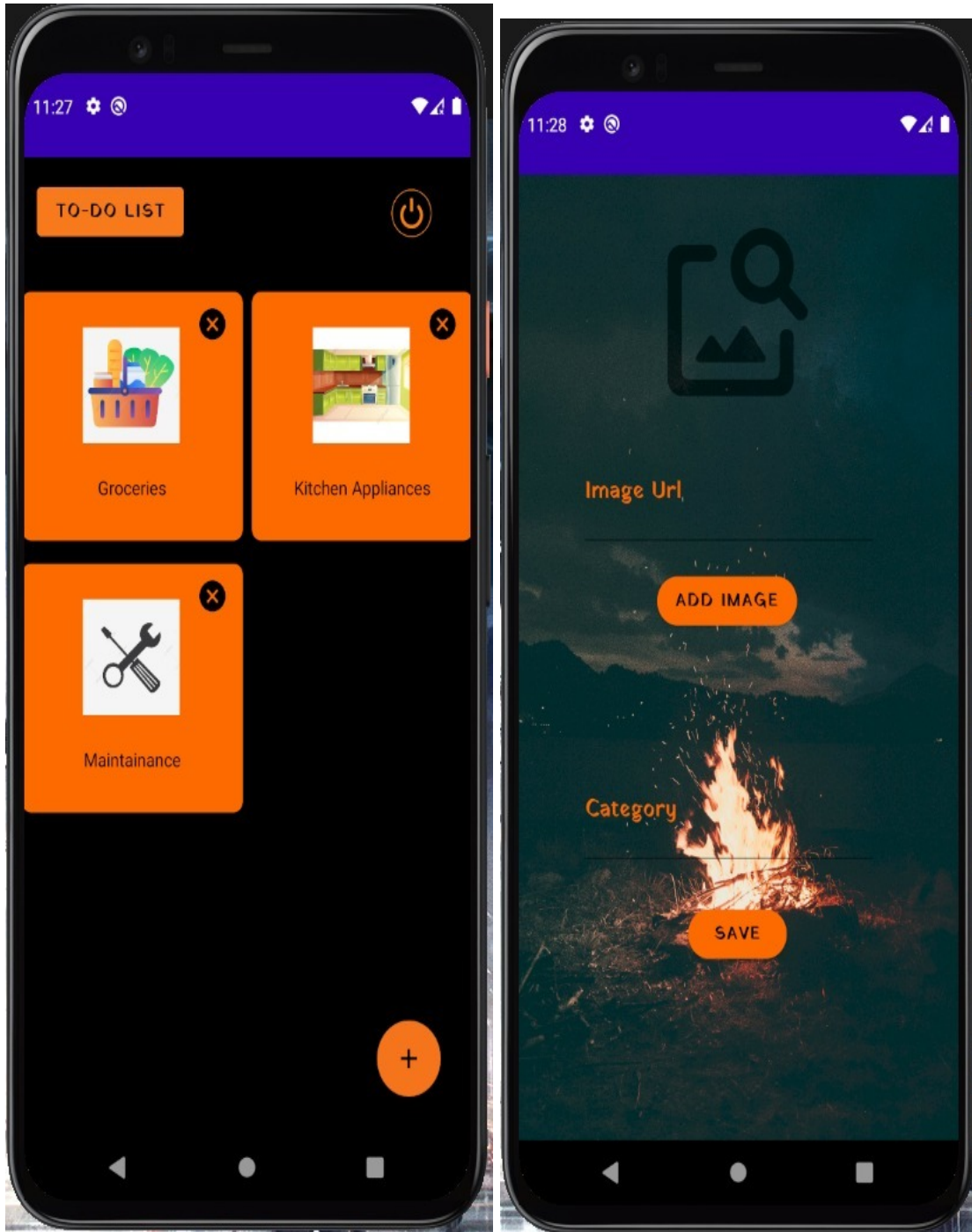
Once the user has verified, he sets his username and password. Login is then done by entering the username and password that is set up by the user. The login page also has the “forgot password” option and the “Create new Account” options.





- 2. DashBoard** : On registering/logging in, the dashboard appears. The dashboard has the constraint layout with the recycler view and the card view. The dashboard has four categories, namely Groceries, To-Do List, Kitchen Appliances and Home Maintenance tasks. The dashboard also has a button which allows the user to go back to the Login Screen.

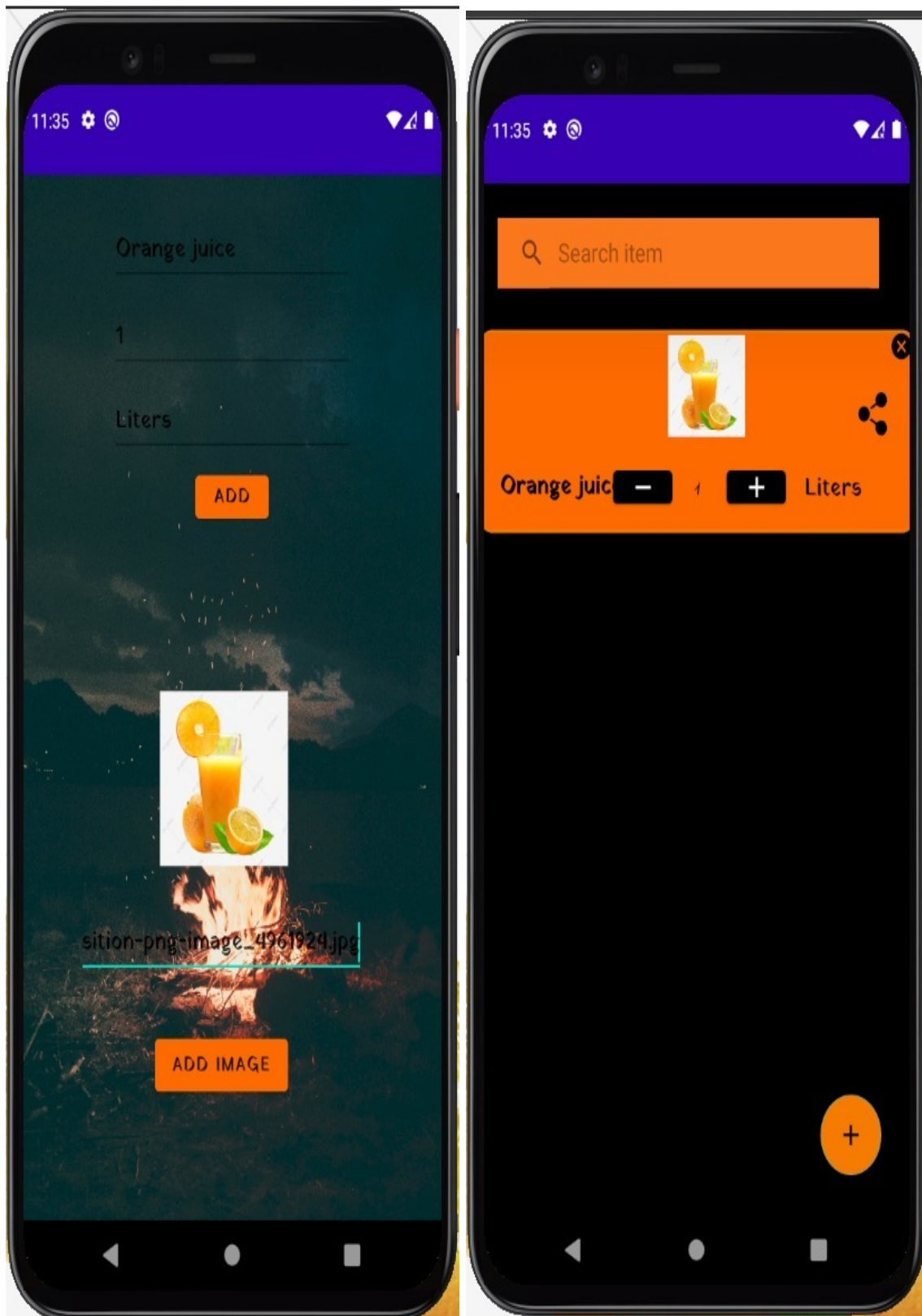
In the dashboard, we have also added an Add_Category floating button which lets the user add a task category of his/her choice, and also lets the user associate the category with an Image , by providing the image URL.

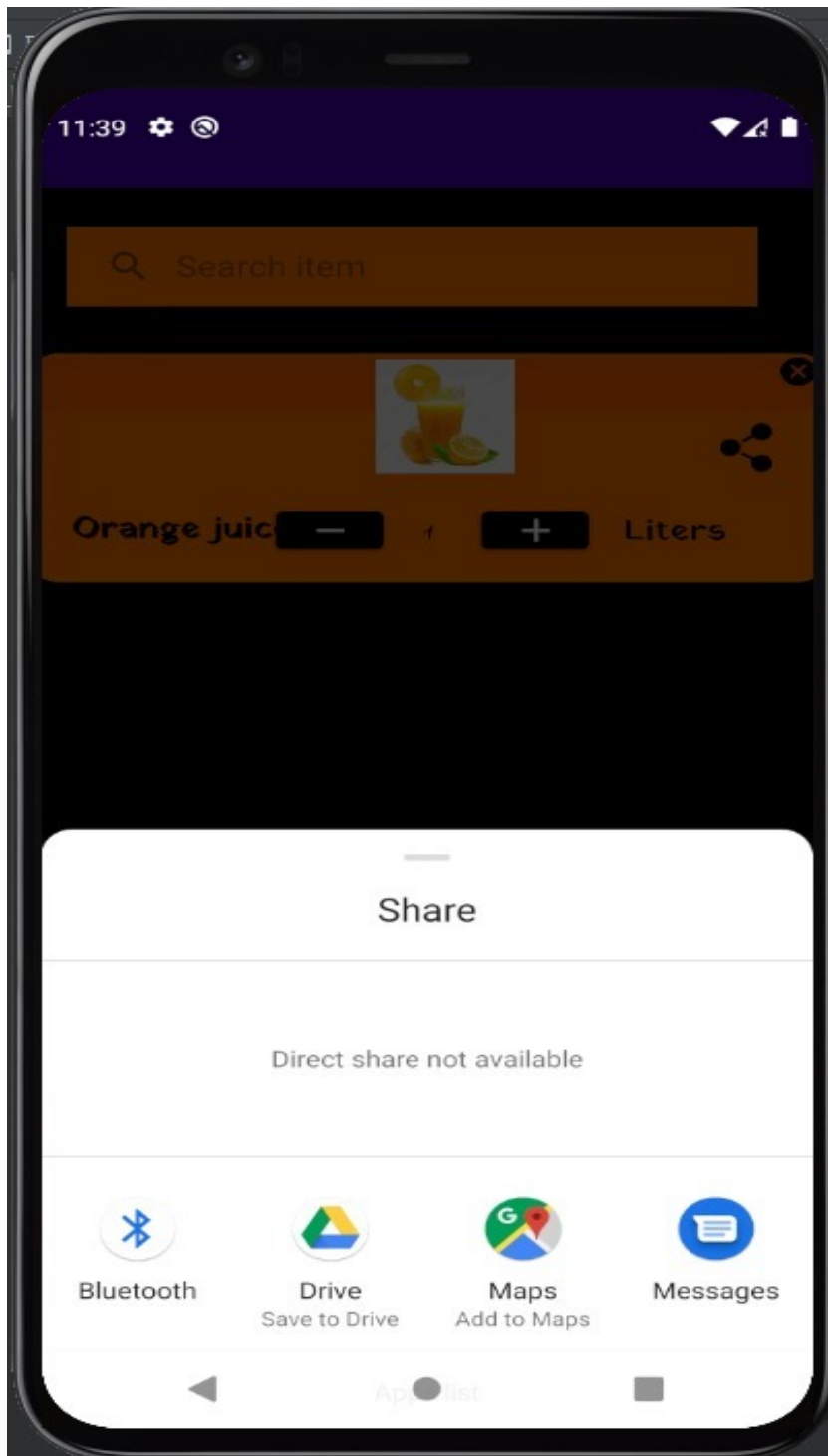


-
3. **Tracker:** The tracker activity allows the user to keep track of the commodities required by storing them in the Firebase Database. For Example, the groceries tab allows the user to add any grocery items that the user needs to buy, along with the quantity required. Once the product is added, it also allows the user to add or subtract the quantity. It also allows the user to delete the product.

Share button Functionality: The Share button in the tracker activity lets the user share the commodities and their quantities with another person(for example : the grocery shop owner) through Whatsapp, Instagram, Messenger, Telegram, SMS or any other social media platforms present on the device.

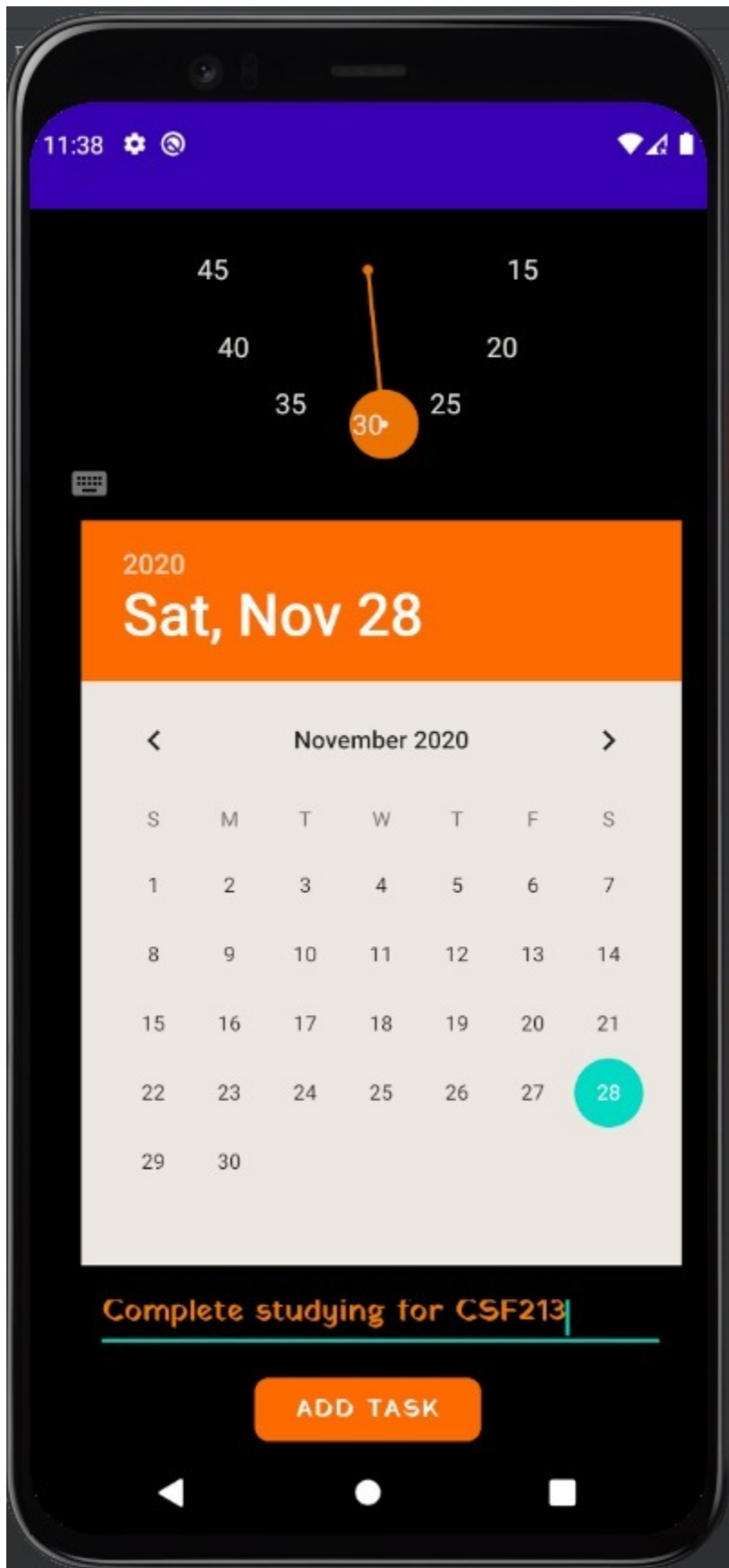
Delete button Functionality : The delete button in the Groceries Tab lets the user delete a commodity(ies) if he/she no longer needs or has added by mistake.





-
4. **TO-DO List:** The TO-DO list feature of the app allows the user to schedule important tasks to be done throughout the day in a chronological order. The tasks may include meetings, project submission deadlines, or something as trivial as going out for a walk.

The To-Do List also has the option of deleting a particular task if it has been completed, cancelled or rescheduled.



-
- 5. Trigger:** The trigger functionality of the App notifies the user about the upcoming task to be done one - hour before the scheduled time. Along with the notification, sent through E-Mail, it also notifies the user the list of required documents(for example, Aadhar Card required for password registration) in the e-mail. The app also allows you to strike off or delete tasks which are done or added by mistake.