

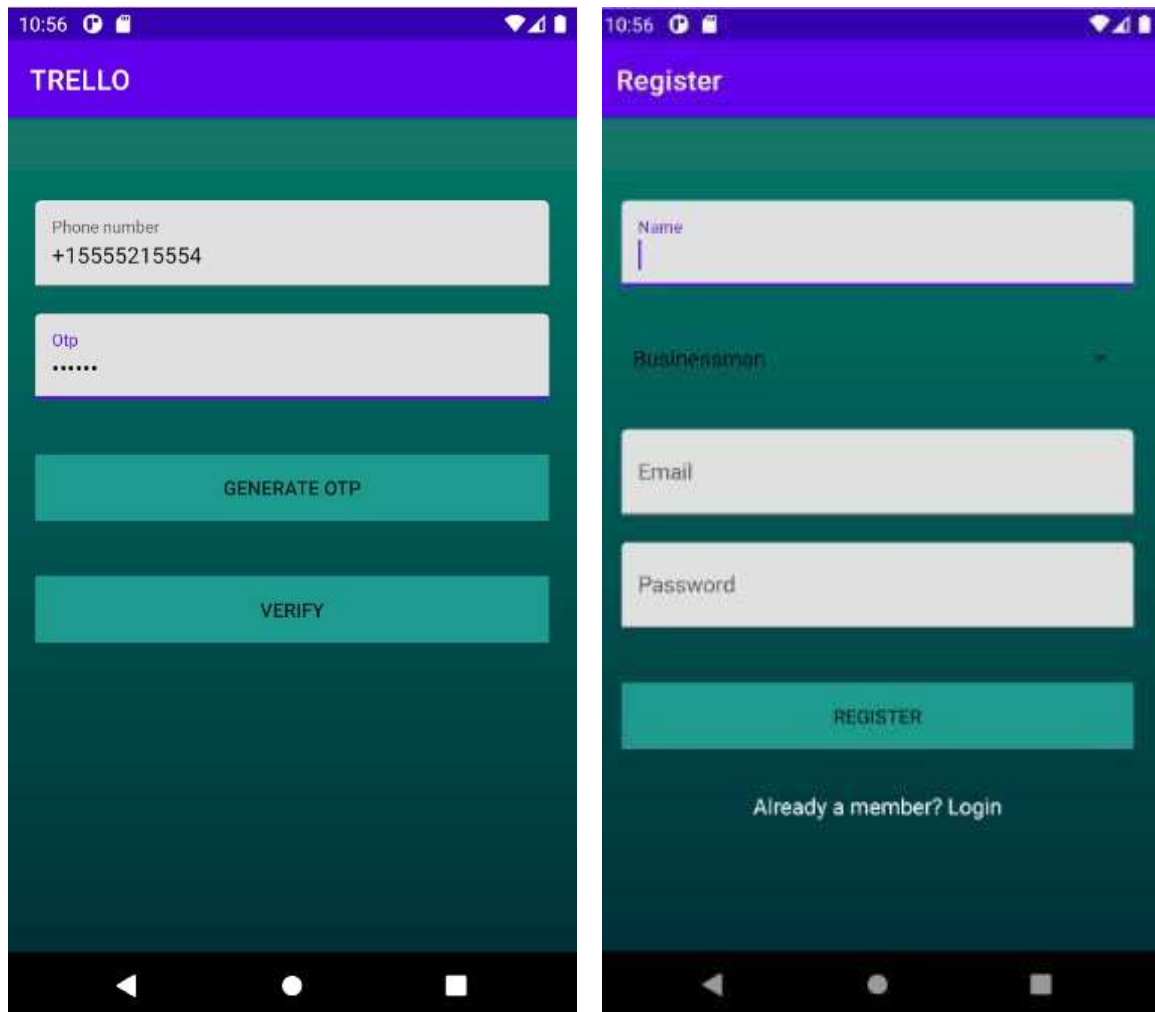
TRELLO

2019A7PS0094H: RADHIKA SIGITIA

In today's busy world, we need an app that can keep track of our important activities and help us manage our daily home inventory. Keeping this in mind, we have created Trello! an android application mainly built on JAVA which comes with multiple functionalities that are listed below:

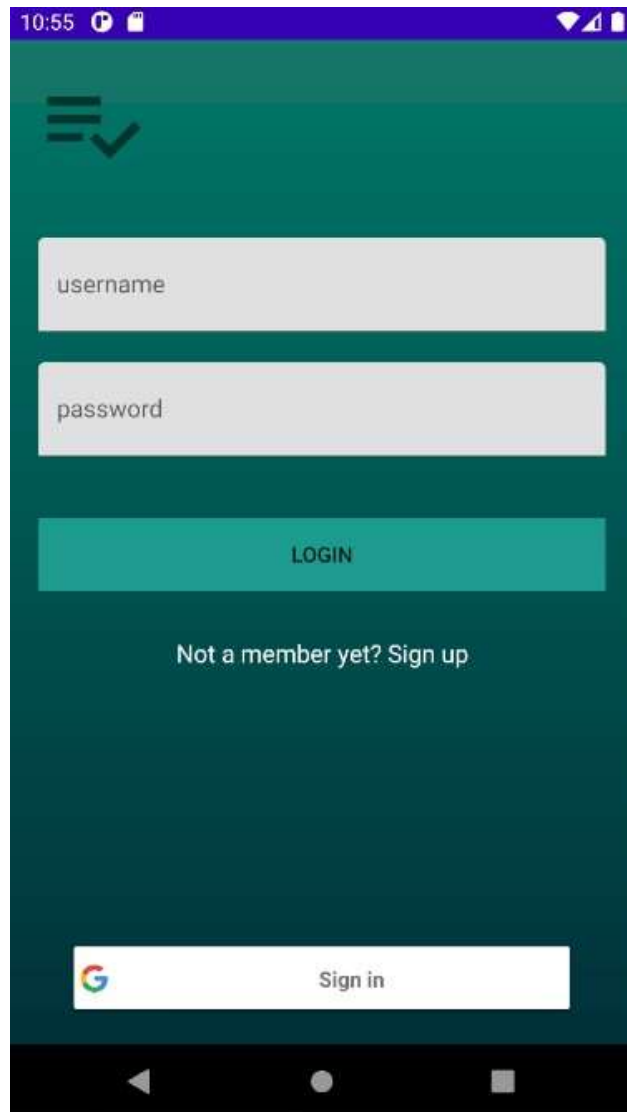
1. Registration:

- User is required to enter his/her phone number
- User is re-directed to re-CAPTCHA for verification
- OTP is sent to the entered mobile number • Upon entering the correct OTP, the user enters:
 - Name
 - Profession
 - Email
 - Password
- An email will be sent for verification (each email has a unique account)



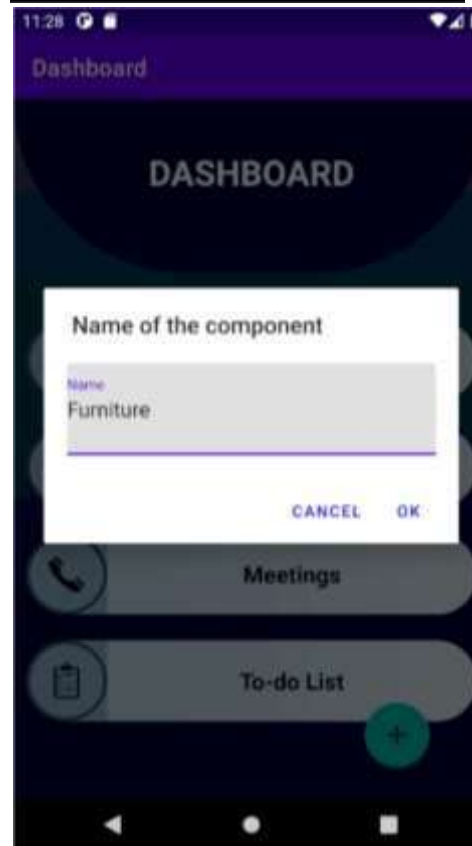
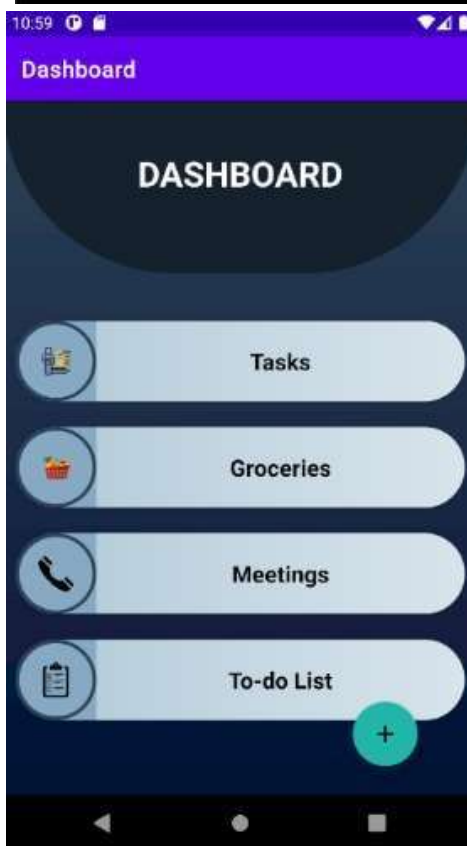
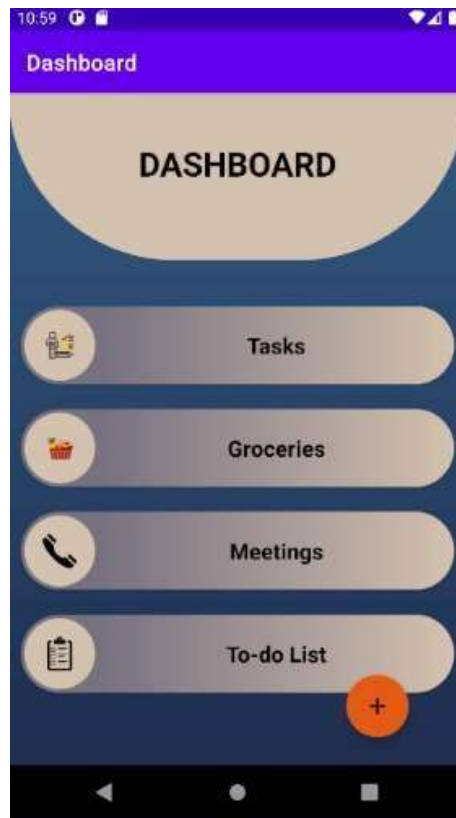
2. Login: User can login through two ways:

- User can enter their verified email and password
- Google sign in can also be used for login



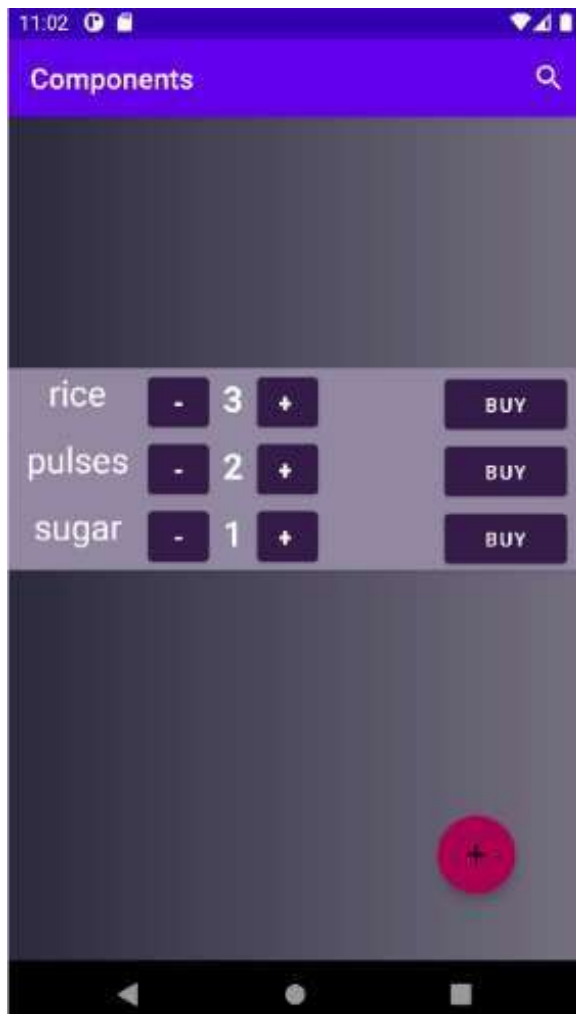
3. Dashboard:

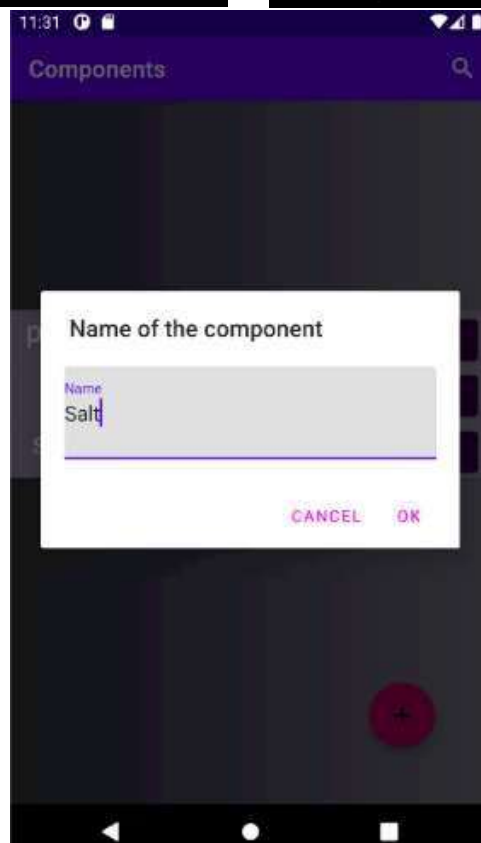
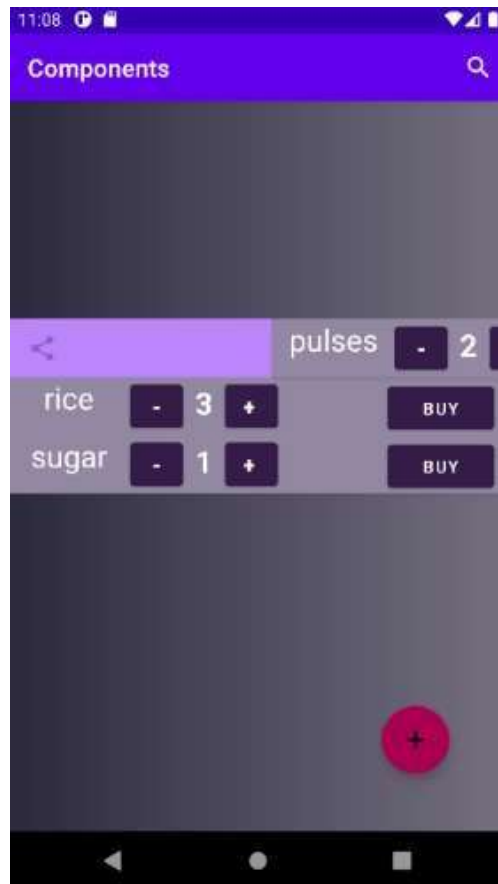
- Customizable according to profession • User is provided with four pre-built choices:
 - Groceries
 - Tasks
 - Meetings
 - To-do list
- New components can also be added



4. Groceries/ Any new component:

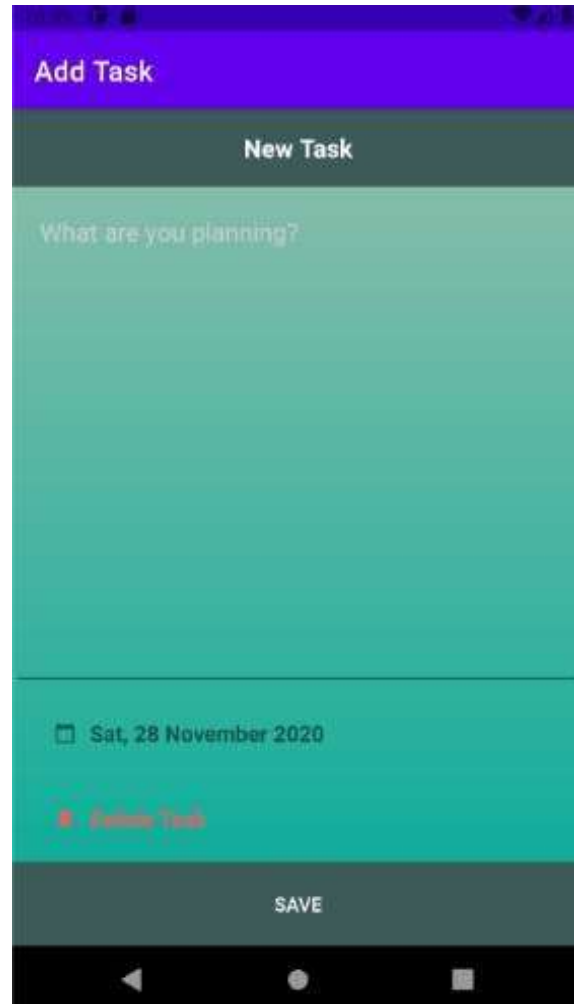
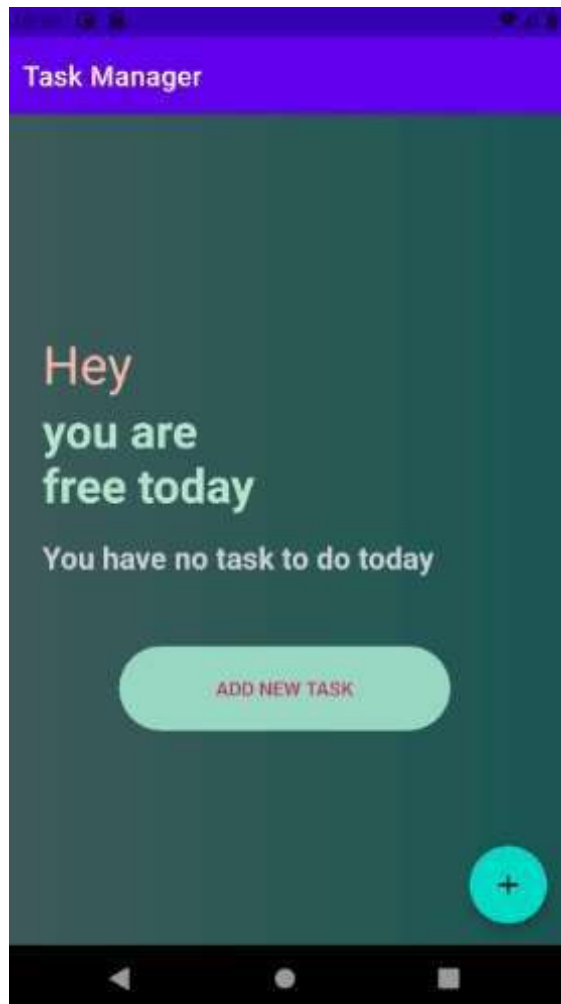
- Components can be added when needed
- Quantity of items can be changed
- ADDITIONAL FUNCTIONALITY- User has the privilege to go to Amazon to buy the needful
- Search bar is enabled to find the added items quickly
- An item can be deleted by swiping left and the action can be undone too
- The item and its quantity can be shared through Gmail by swiping right

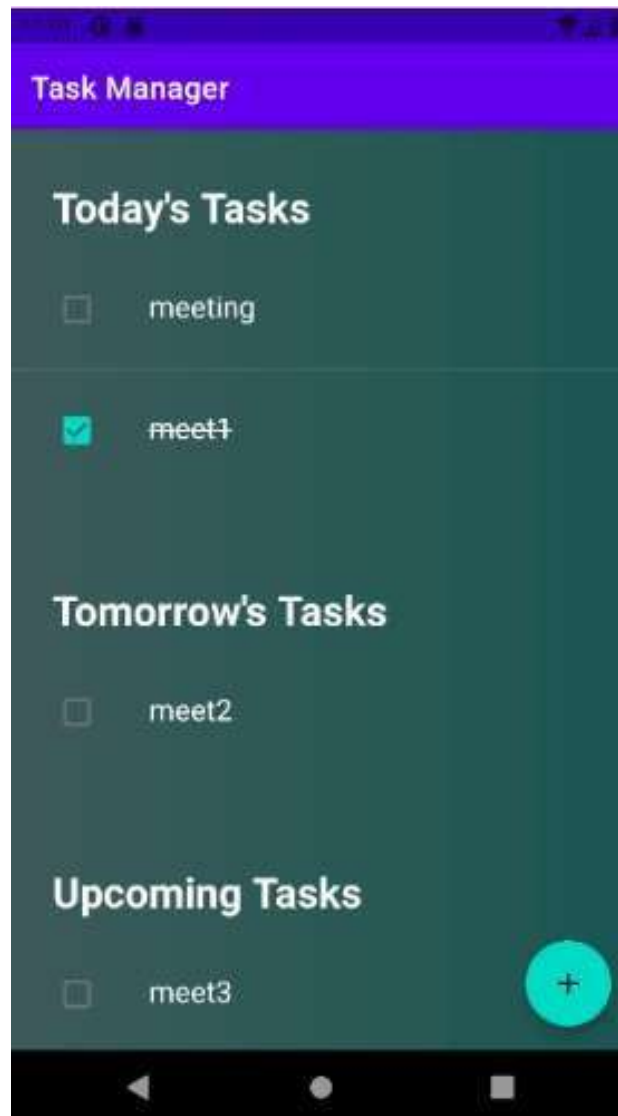




5. Tasks/Task Scheduler:

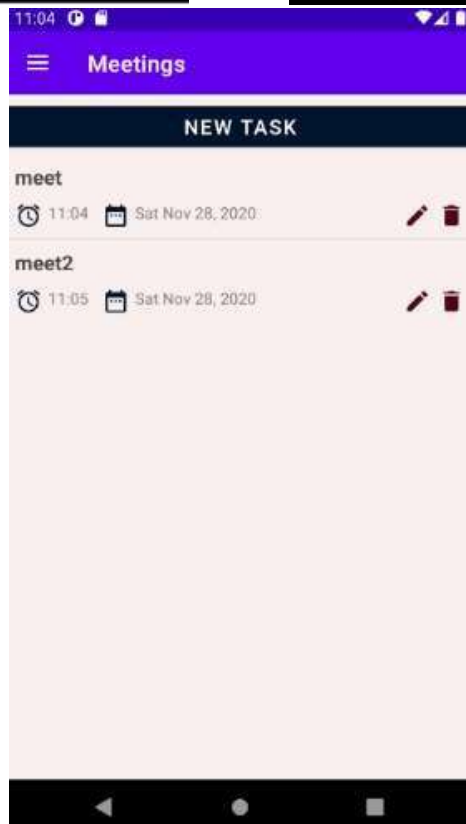
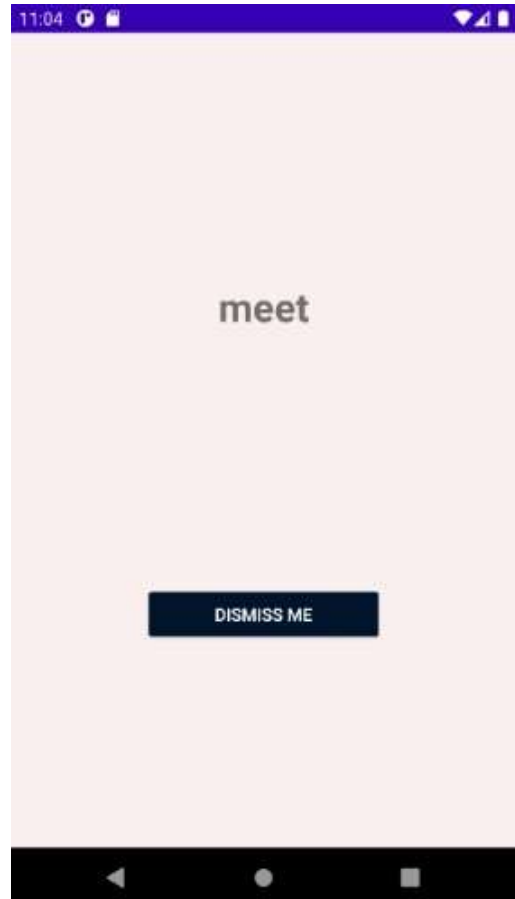
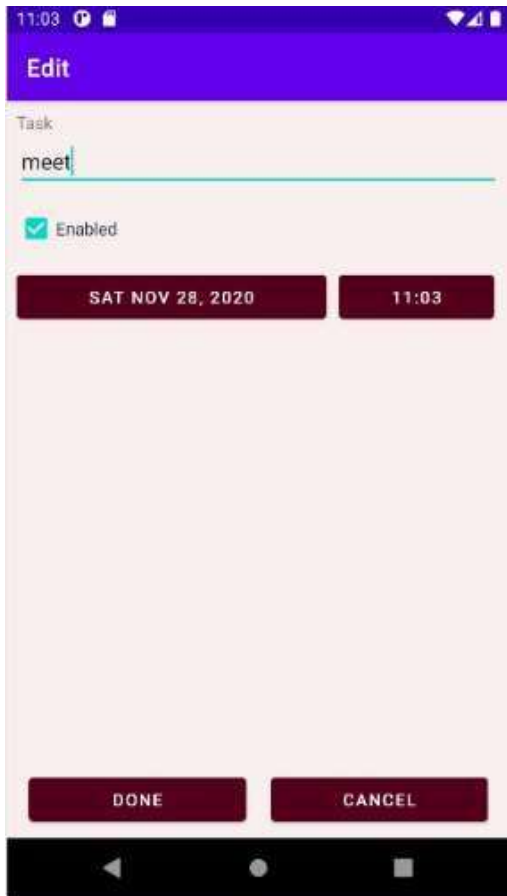
- Tasks can be differentiated into today, tomorrow and upcoming
- New tasks can be added and struck through when completed
- Option to select the date has been provided
- Previously added tasks can be updated and deleted when required





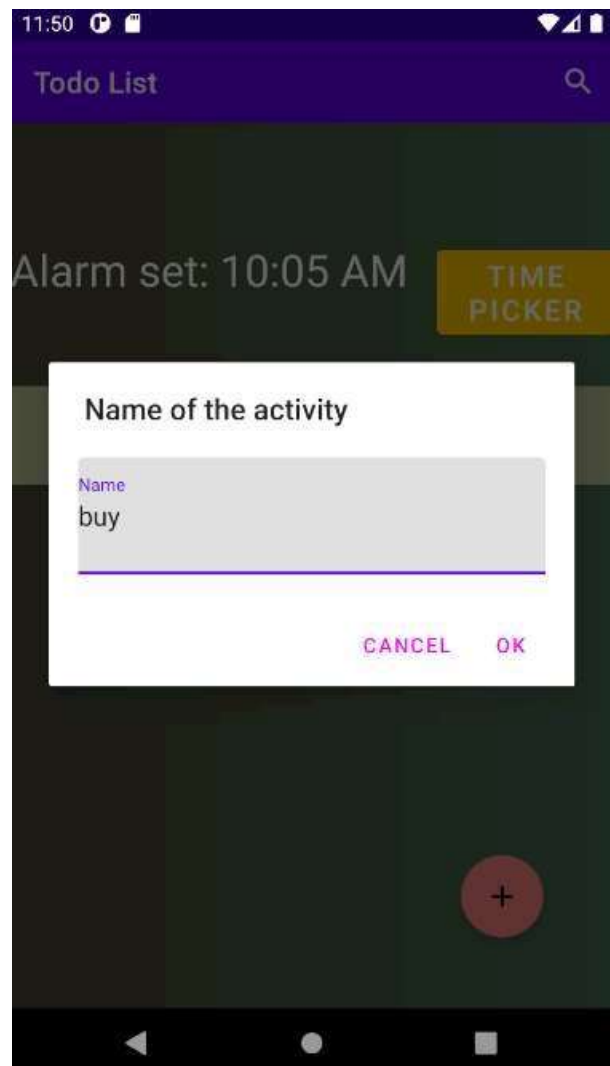
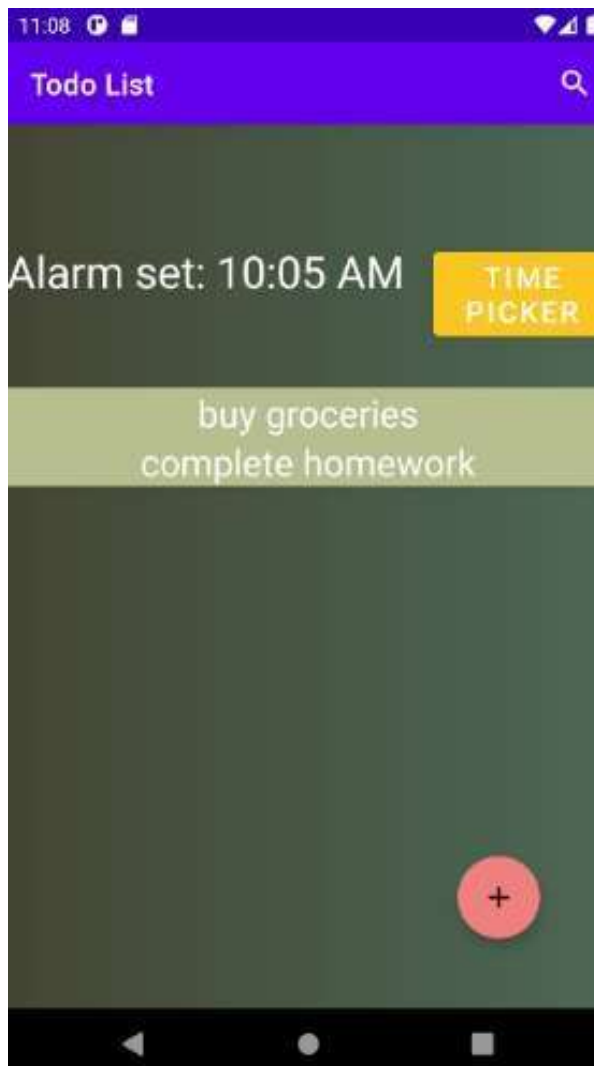
6. Meetings/Multiple Alarms:

- Tasks can be created and deleted
- An alarm will be set for the chosen date and time
- Alarm can be enabled/disabled
- Different tasks can have different alarms



7. To-do list:

- Alarm can be set for a particular time which will notify the user one hour in advance
- List can be added to remind the user everyday
- A task can be deleted by swiping left and can be shared by swiping right
- Search bar is also enabled for user's convenience



Databases Used:

1. Cloud Firestore:

Each user will have a unique database based on their email ID in which name, profession, phone number, email and password are stored. A list of dashboard's contents is also maintained along with the data of each component.

2. File I/O (For Task manager):

Each user will have a unique file based on their name which will be stored in the phone itself and will be updated according to the app.

3. SQL Database (For Meetings):

Each user will have a unique database based on their name which will be updated according to the user's activity.

Additional Functionality:

- Buy now button provided to go to Amazon