OOP PROJECT REPORT- TRACK ENGINE

Group 22: Members

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INTRODUCTION:

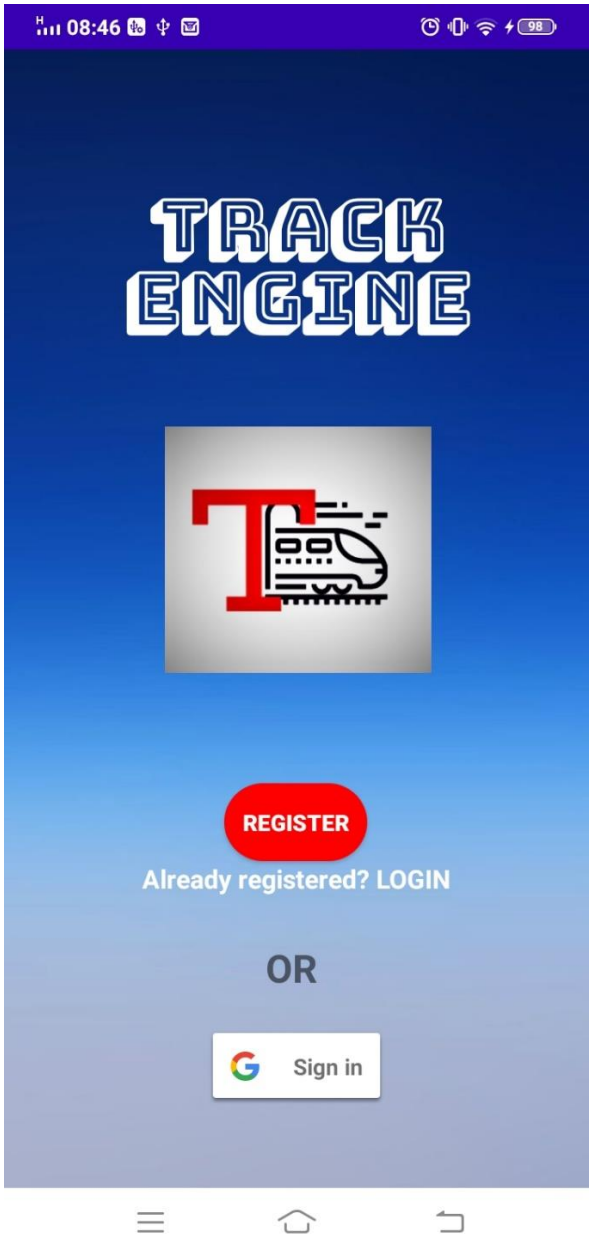
Often, due to hectic schedule people tend to lose track of a lot of their tasks, items to purchase etc. and this leads to inefficient time and inventory management. The app developed by us will help them to efficiently manage their household items, groceries, keep track of their important meetings and official commitments.

Platform used: Android Studio
Language used: JAVA
Databases used: Firebase, Room Database

REQUIREMENTS:

1) **Min SDK Version - 19**
2) **Target SDK Version - 29**
3) **Compile SDK – 30**

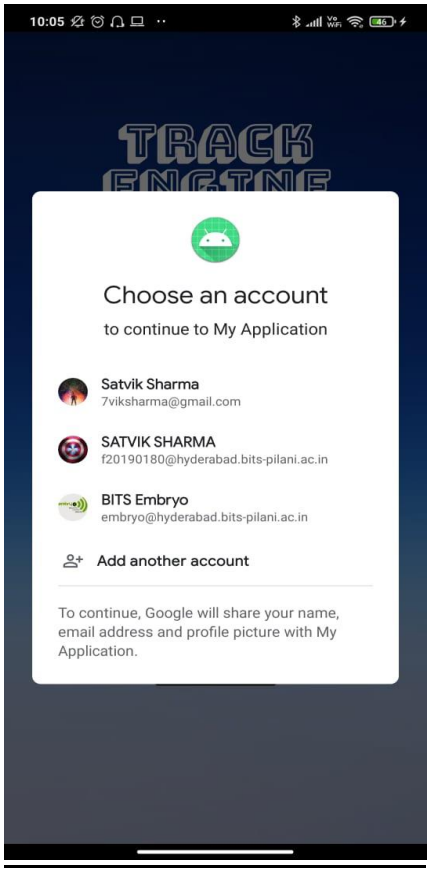
TITLE PAGE

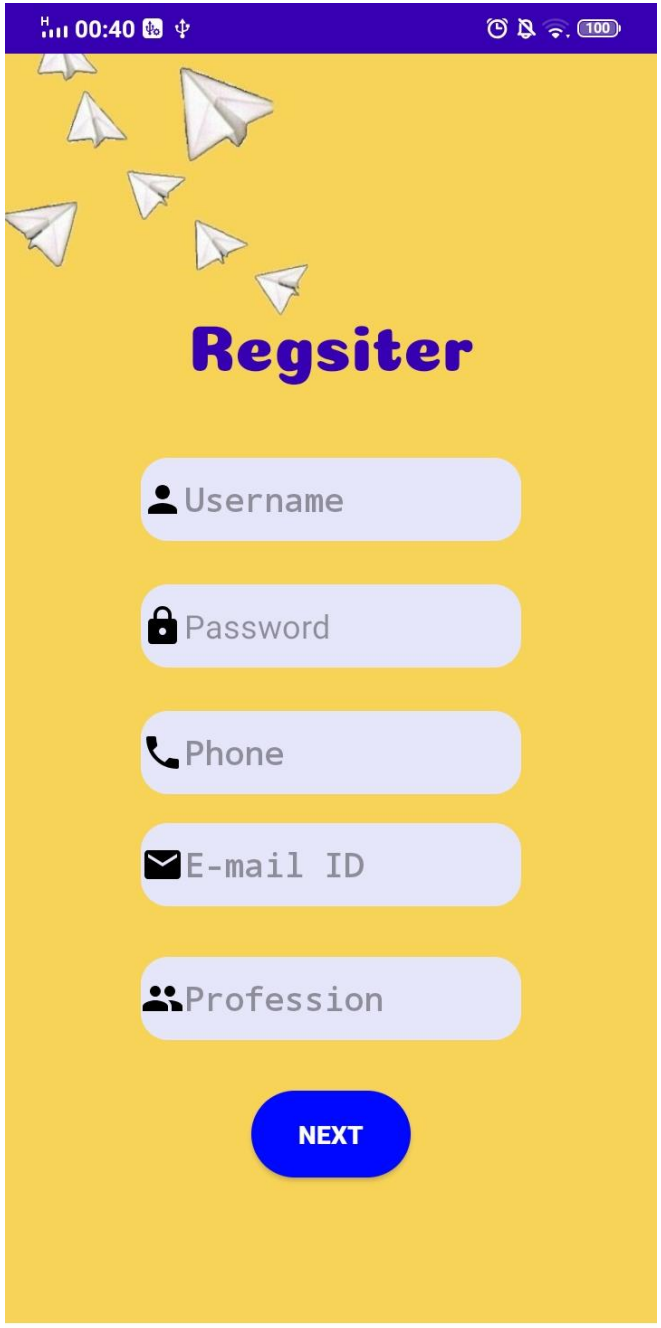

08:46
98
TRACK
ENGINE
REGISTER
Already registered? LOGIN
OR
Sign in

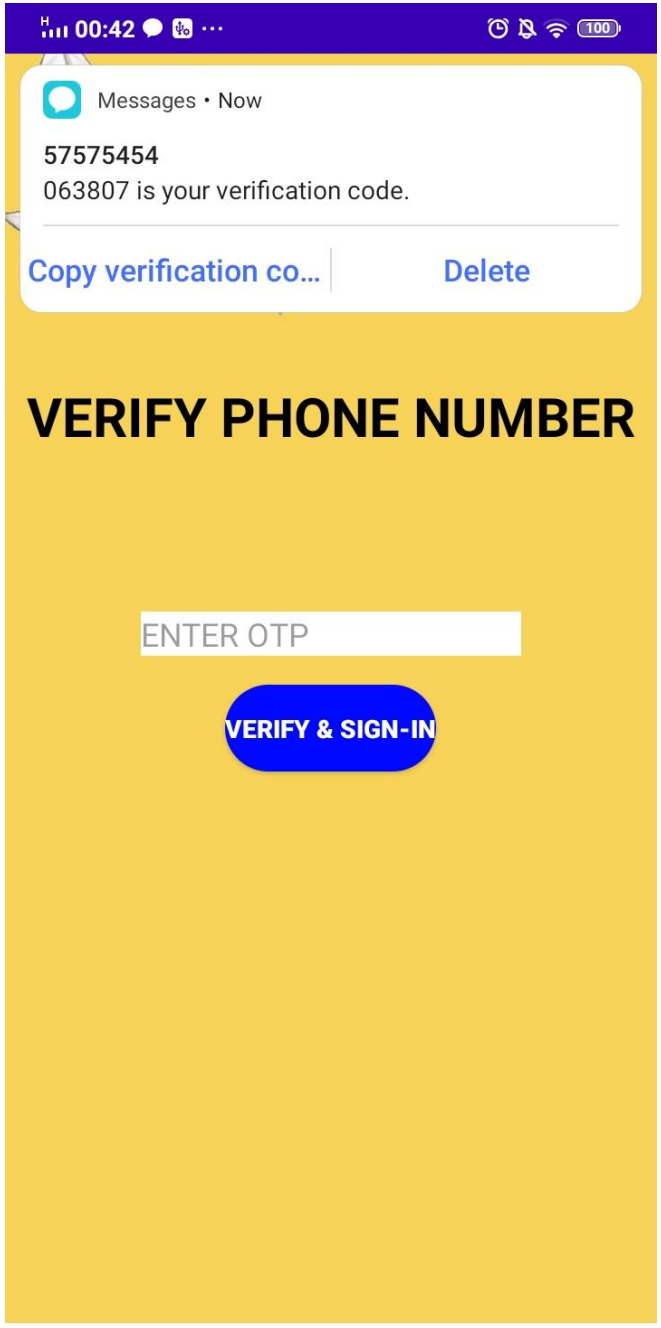
FUNCTIONALITIES:

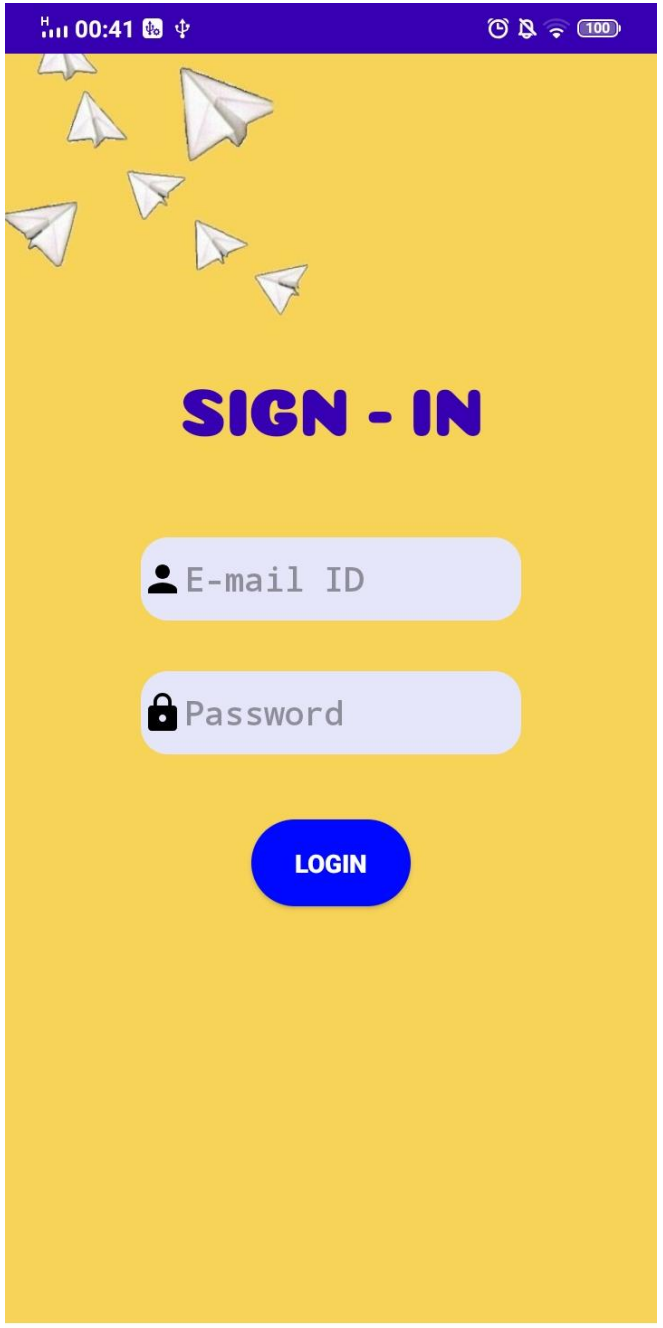
1) LOGIN/SIGN-UP:

- User can register by providing email, password, phone number and other personal details.
- An OTP will be sent to the user's mobile number for verification during registration.
- An automatic mail is sent to user with a verification link, clicking upon which the email will be verified and will let the user log in.
- Username, password, email ids , phone numbers are checked using appropriate regex expressions.
- Alternatively, user can also sign in using their "Google" Account.



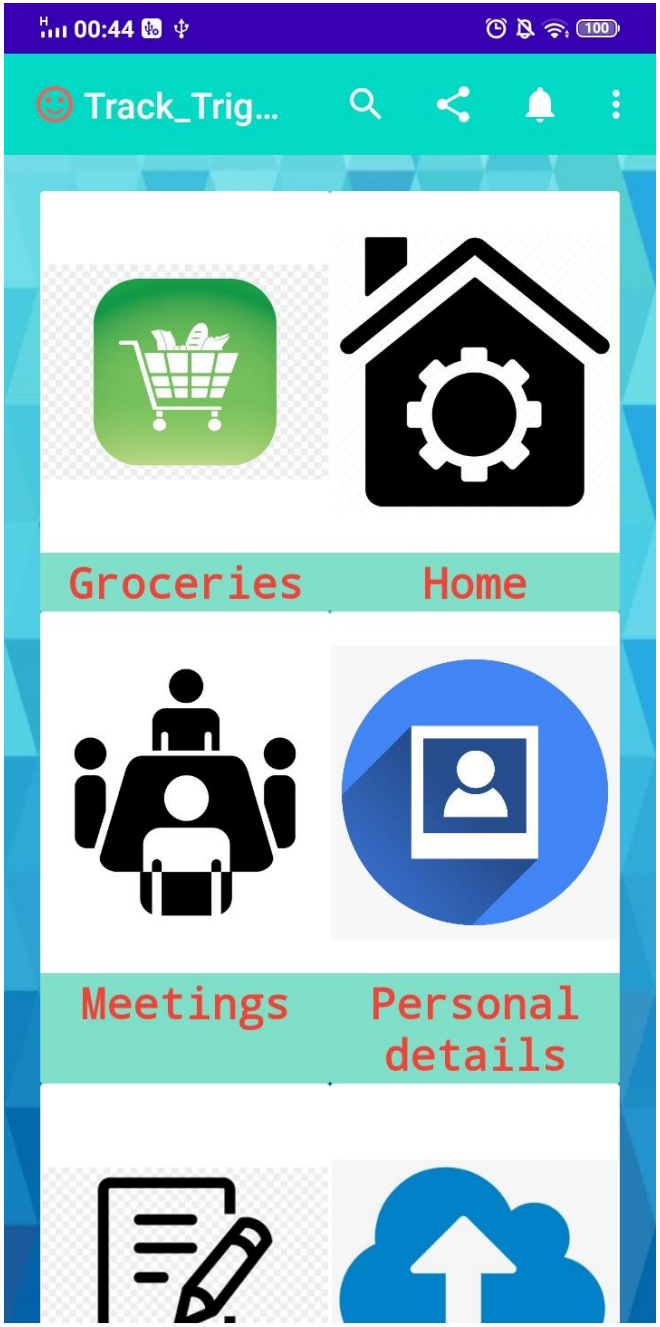

00:40
Regsiter
Username
Password
Phone
E-mail ID
Profession
NEXT

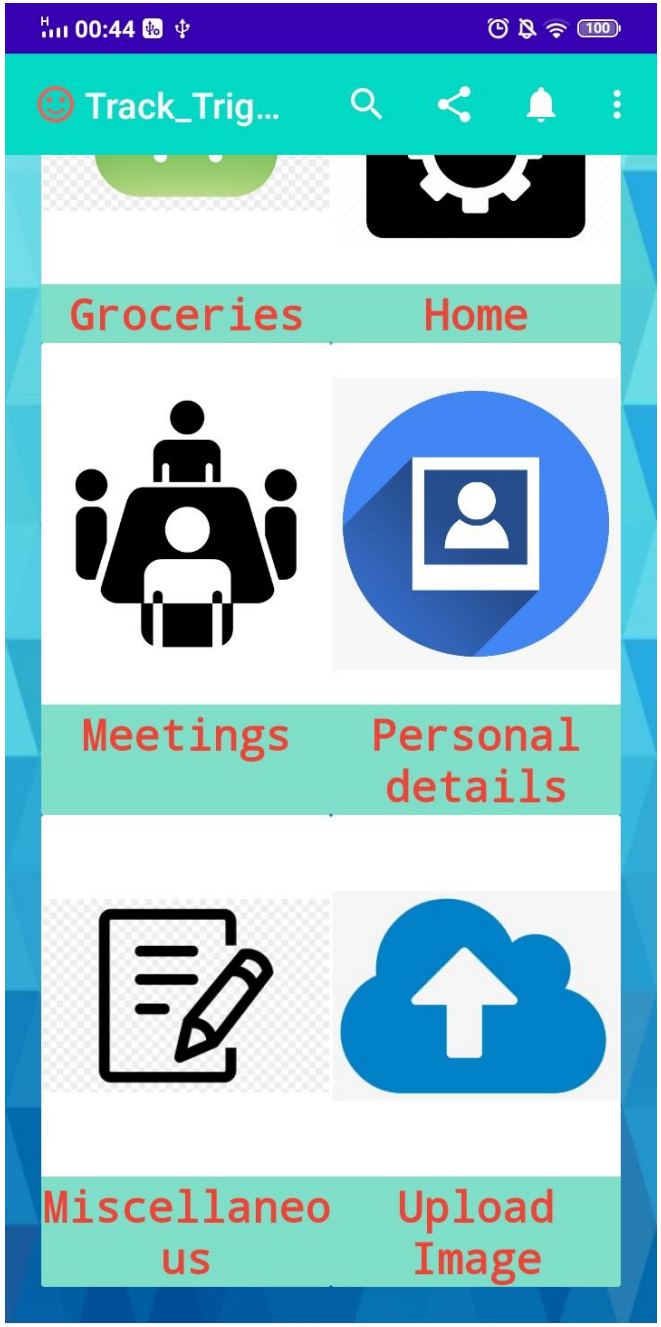

00:42
Messages • Now
57575454
063807 is your verification code.
Copy verification co...
Delete
VERIFY PHONE NUMBER
ENTER OTP
VERIFY & SIGN-IN

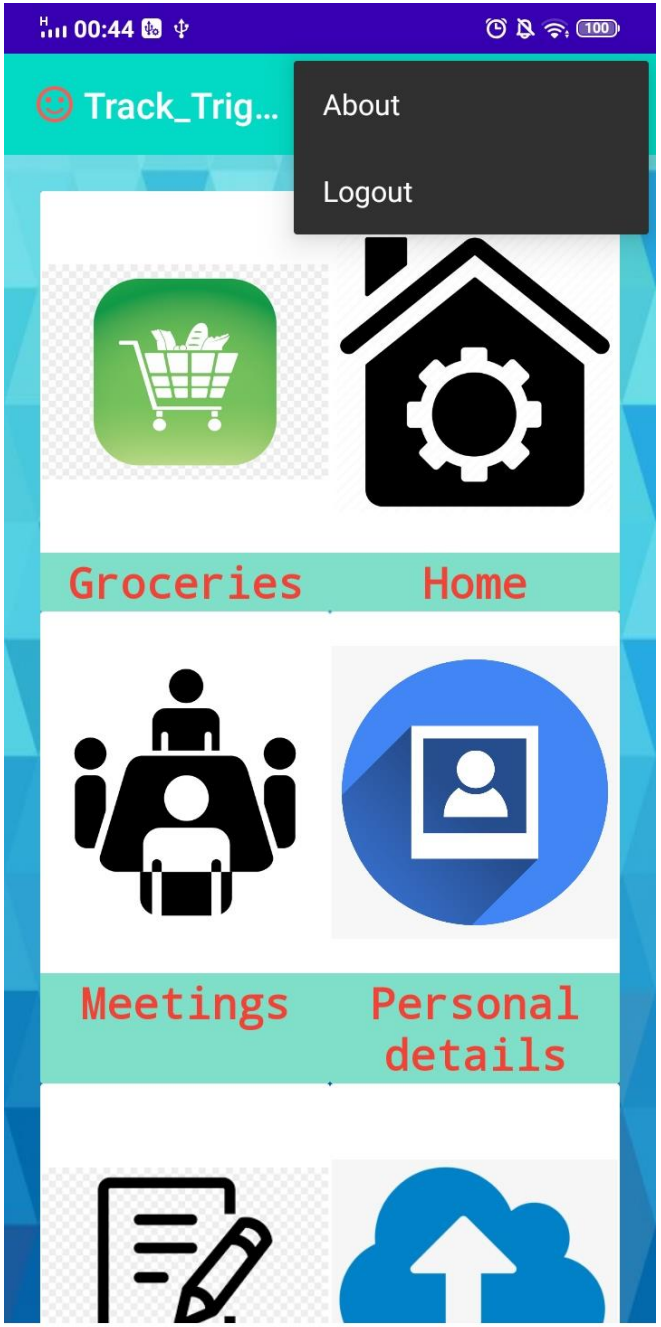

00:41
SIGN - IN
E-mail ID
Password
LOGIN

2) DASHBOARD:

- Once the user signs in, he is directed to a dashboard which is customized for different users like homemakers, working professionals etc.
- The dashboard contains following different categories –
  - Groceries
  - Home Appliances
  - Meetings
  - Profile
  - Miscellaneous (User can store any extra Notes/Items.)
- The profile page is customised for 2 categories of users- Working Professionals and Homemakers and contains the email contact detail of logged in user.

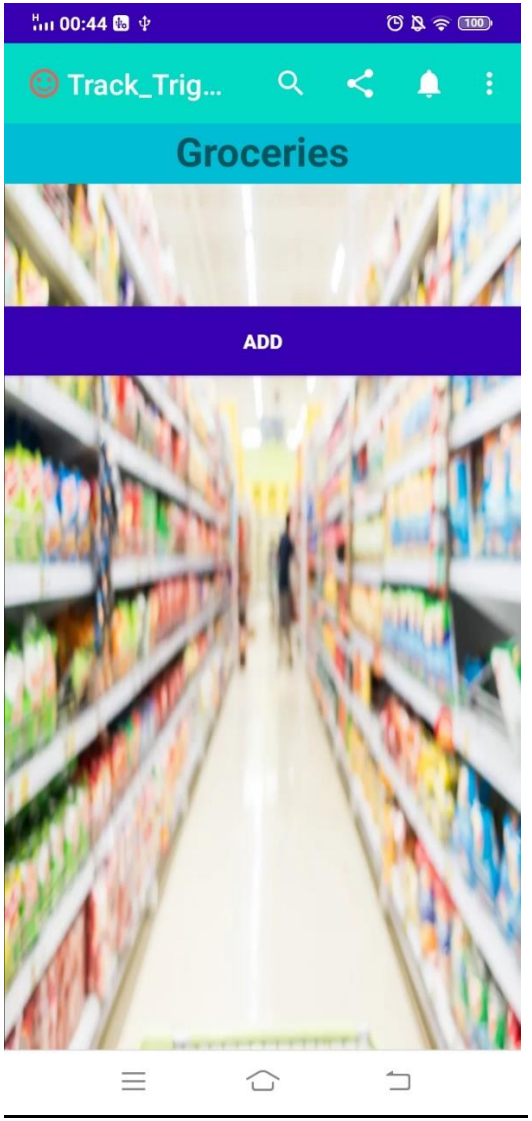

00:44
Track_Trig...
Groceries
Home
Meetings
Personal details

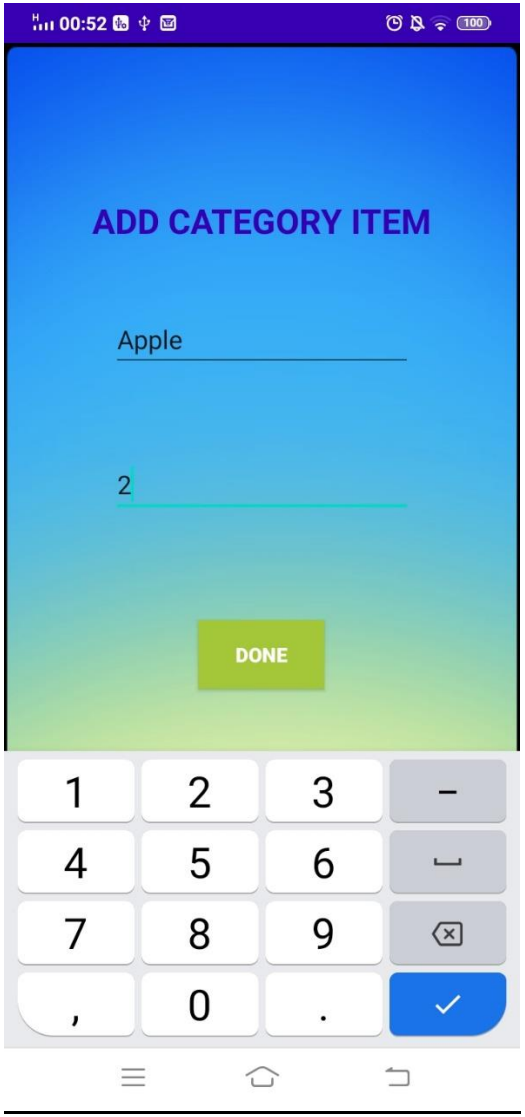

00:44
Track_Trig...
Groceries
Home
Meetings
Personal details
Miscellaneous
Upload Image

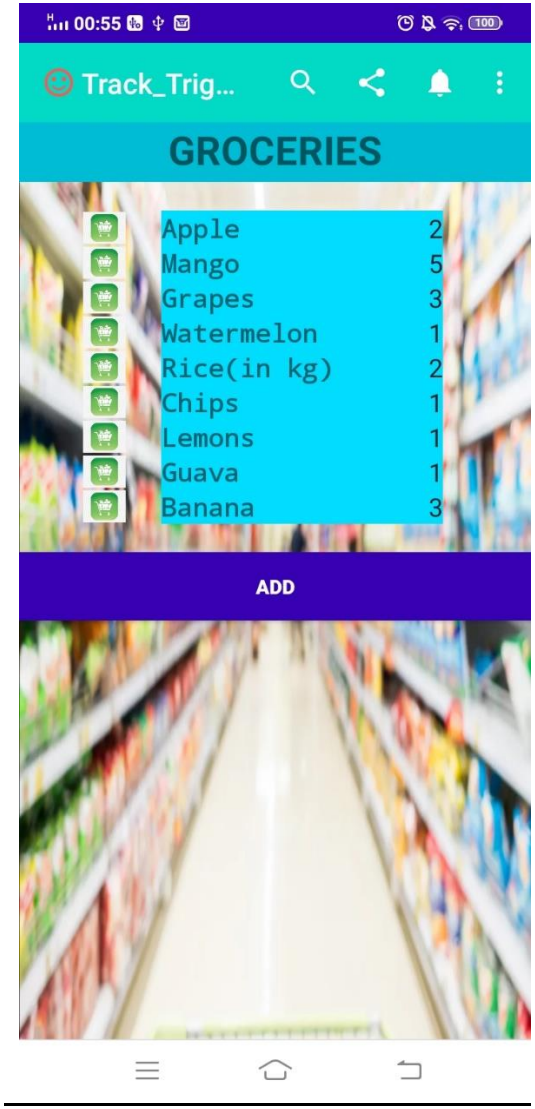

00:44
Track_Trig...
About
Logout
Groceries
Home
Meetings
Personal details

3) TRACKER:

- User can store the list of essential items under different categories provided in Dashboard.
- Under each category, user can - add items using add button, delete by swiping left/right, share item details by tapping on the item of the llist.
- If any item is already present in the list, user can simply update the quantity as per his wish.

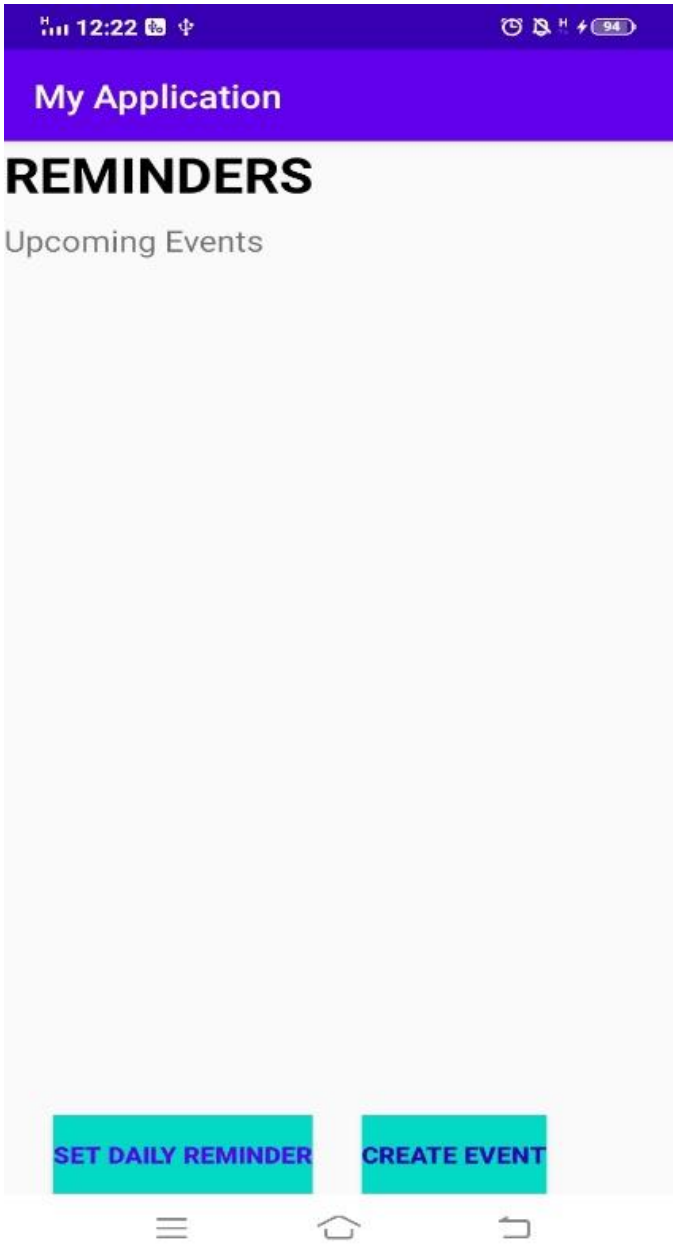


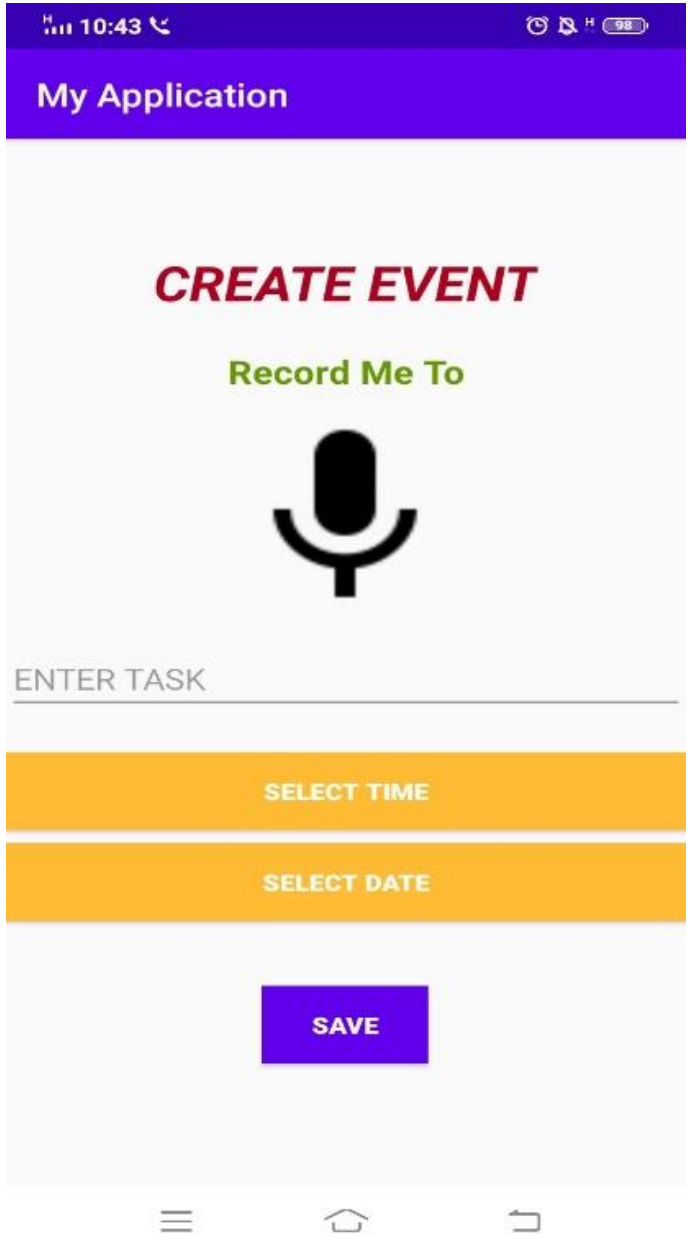


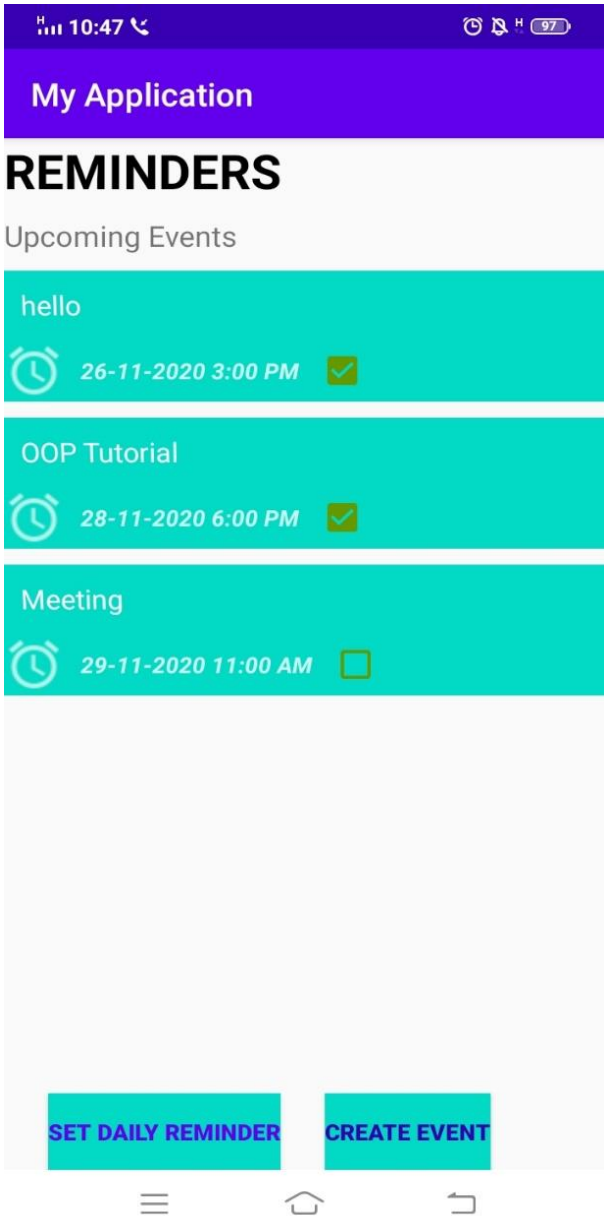


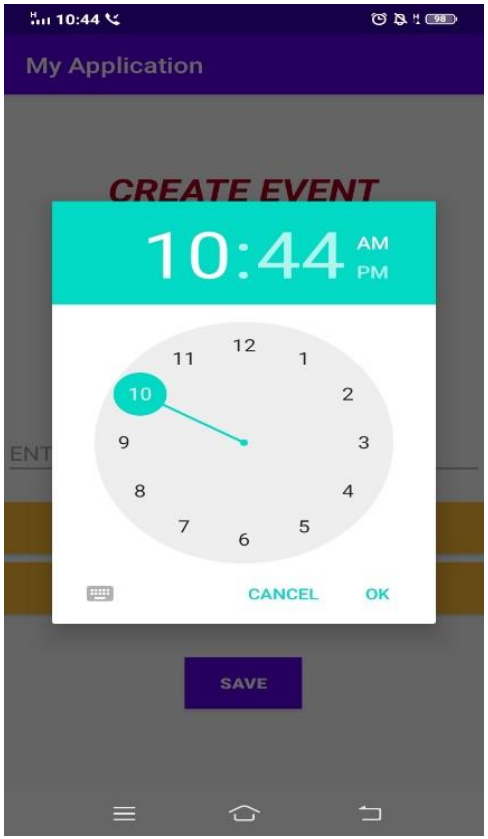
3) TRIGGER:

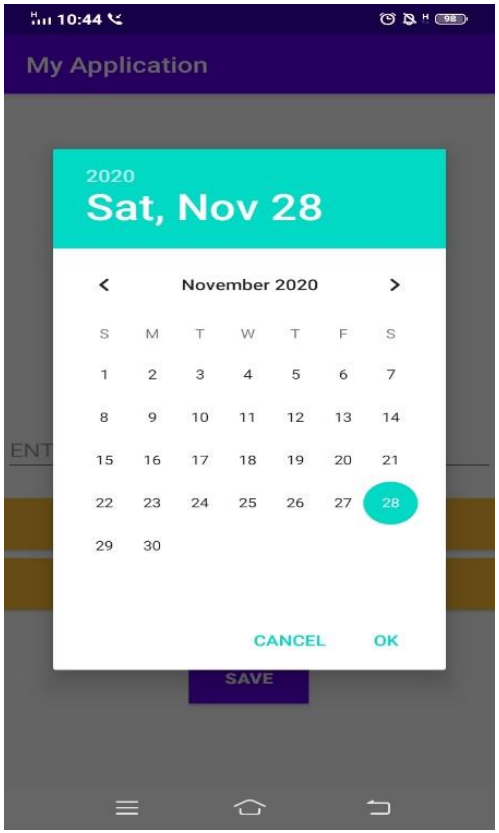
- In the reminders page, the user can set a time at which the user will be notified everyday to update the stock.
- The user can create event by either typing or recording and set time and date for the event and user will be notified one hour prior to the event.
- As soon as the user adds an event, a trigger E-mail and SMS will be sent to user's registered mobile number and email, containing all details of that event.
- Once the event is added, there is a checkbox against each event which the user can check upon completion of the particular event.
- User can also delete the event by swiping right/left.

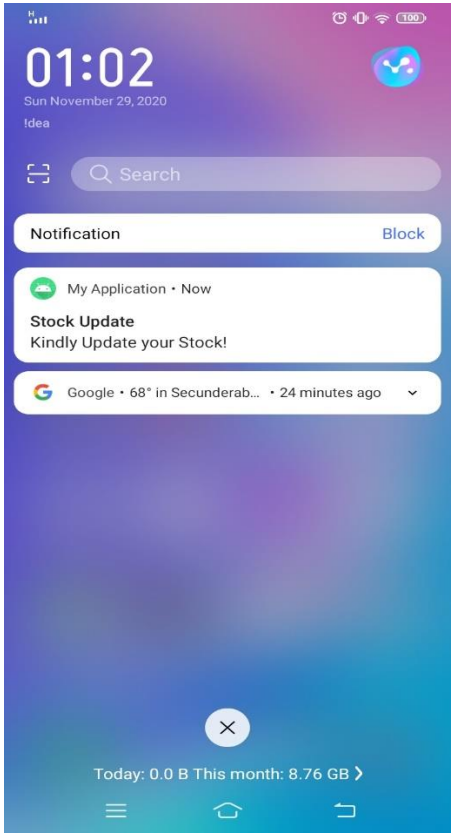

12:22
My Application
REMINDERS
Upcoming Events
SET DAILY REMINDER
CREATE EVENT

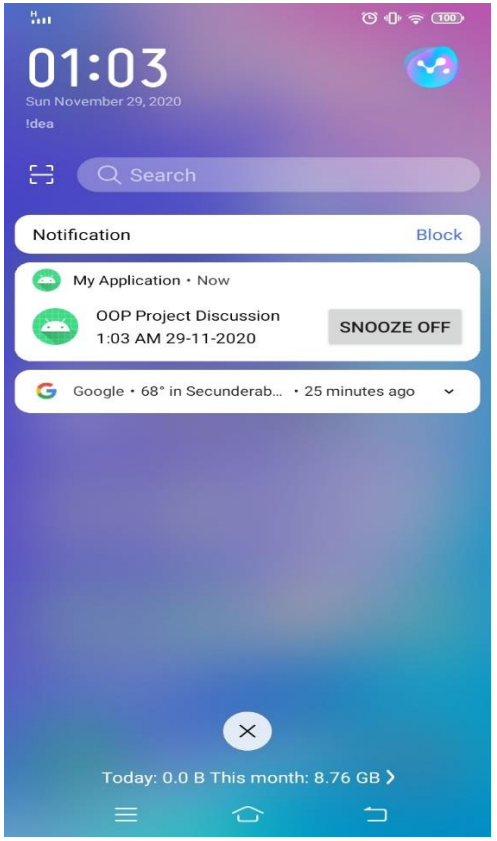

10:43
My Application
CREATE EVENT
Record Me To
ENTER TASK
SELECT TIME
SELECT DATE
SAVE


10:47
My Application
REMINDERS
Upcoming Events
hello
26-11-2020 3:00 PM
OOP Tutorial
28-11-2020 6:00 PM
Meeting
29-11-2020 11:00 AM
SET DAILY REMINDER
CREATE EVENT


10:44
My Application
CREATE EVENT
10:44
AM
PM
CANCEL
OK
SAVE

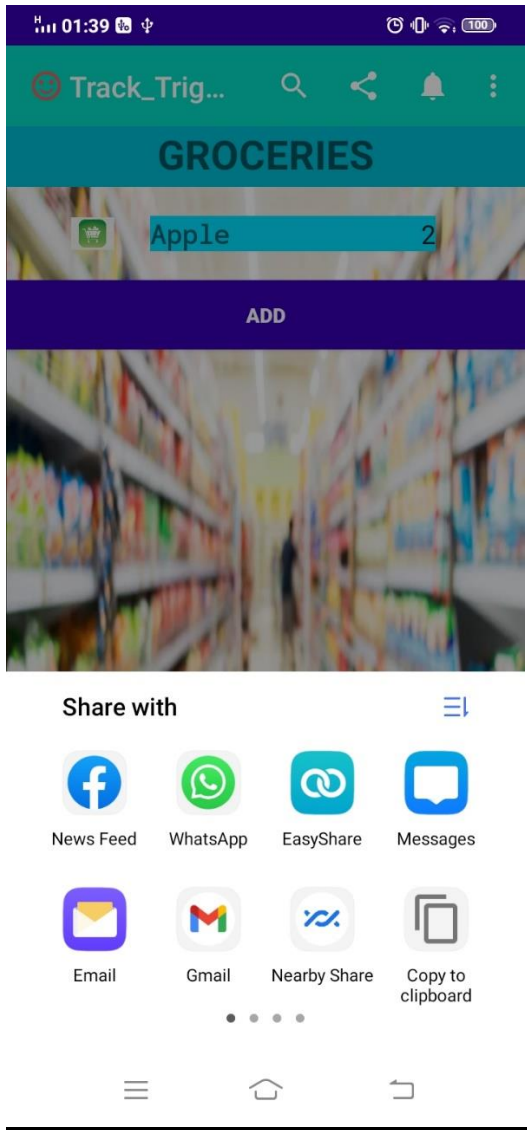

10:44
My Application
2020
Sat, Nov 28
November 2020
S M T W T F S
1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30
CANCEL
OK
SAVE

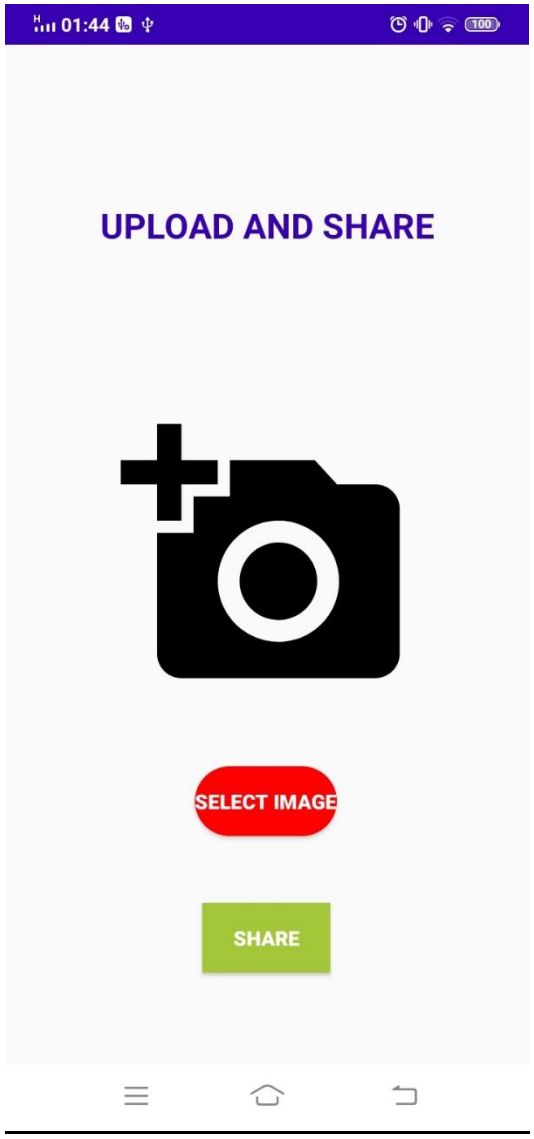
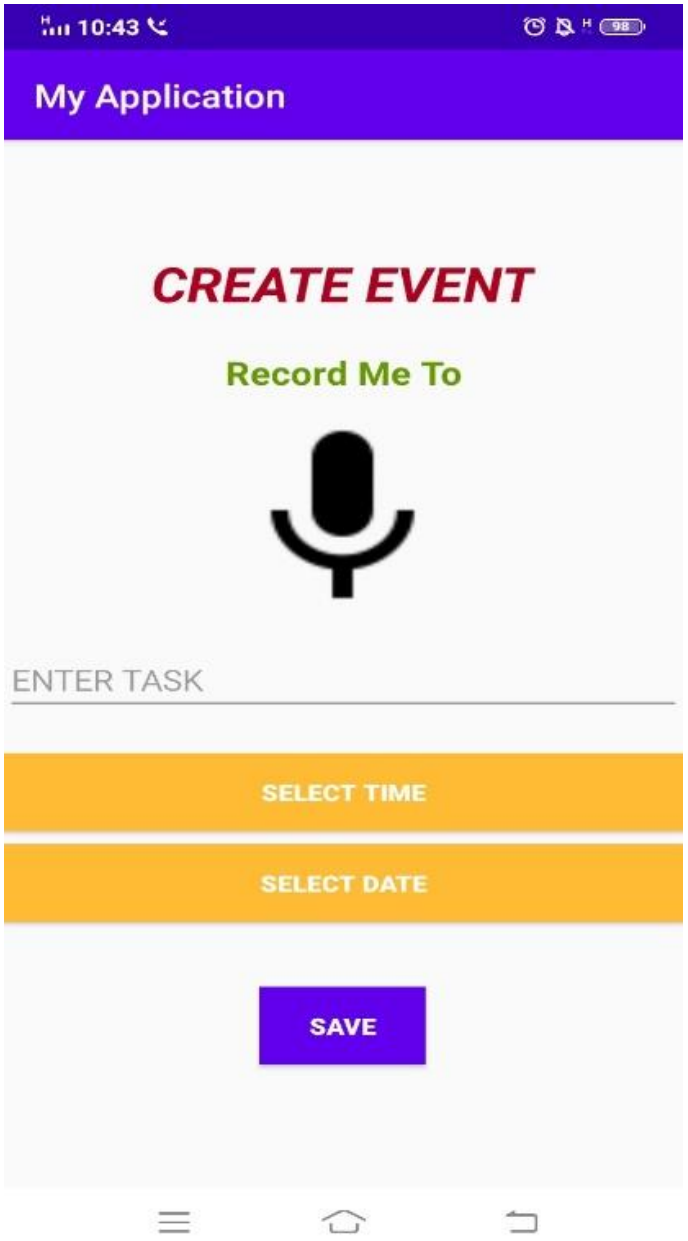
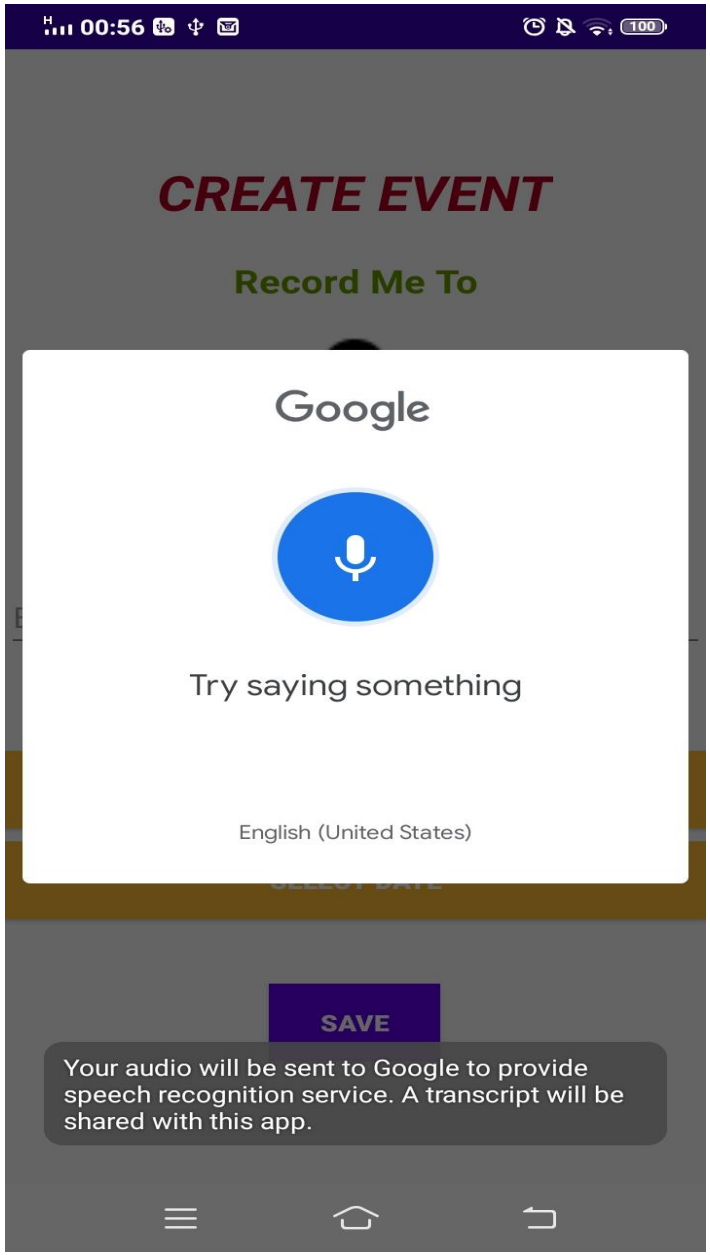

01:02
Sun November 29, 2020
!dea
Search
Notification
Block
My Application • Now
Stock Update
Kindly Update your Stock!
Google • 68° in Secunderab... • 24 minutes ago
Today: 0.0 B This month: 8.76 GB


01:03
Sun November 29, 2020
!dea
Search
Notification
Block
My Application • Now
OOP Project Discussion
1:03 AM 29-11-2020
SNOOZE OFF
Google • 68° in Secunderab... • 25 minutes ago
Today: 0.0 B This month: 8.76 GB

5) SHARE:

- User can share details of inventory items and images through email and Whatsapp





6) **ADDITIONAL FUNCTIONALITY:** Speech – to – text recognition/conversion to add reminders and tasks.