TODO LIST APP

DSY B.Tech. Minor Project Report

SUBMITTED BY

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MAHARASHTRA (INDIA)

MAY, 2020

MIT | Academy of Engineering

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

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DSY B.Tech. Minor Project Report

submitted in partial fulfilment of the
requirements for the award of the degree

of

Bachelor of Technology

in

COMPUTER ENGINEERING

BY

Amisha Madanu , Rutuja Khakare, Komal Bonde, Nikhil Kinikar, Aditya Karpe

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CERTIFICATE

It is hereby certified that the work which is being presented in the DSY B.Tech. Minor Project Report entitled **"*TODO List App*",** in partial fulfillment of the requirements for the award of the **Bachelor of Technologyin Computer Engineering** and submitted to the **School of Computer Engineering and Technology of MIT Academy of Engineering, Alandi(D), Pune, Affiliated to Savitribai Phule Pune University (SPPU), Pune**is an authentic record of work carried out during an Academic Year 2020-2021, under the supervision of **Prof. Mayur Patil,School of Computer Engineering and Technology.**

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ACKNOWLEDGEMENT

Success is never achieved single-handed. Apart from our humble efforts, this project is the outcome of the help, co-operation and guidance from various comers.

We want to express our gratitude towards our respected project advisor/guide Prof. Mayur Patilfor his constant encouragement and valuable guidance during the completion of this project work. We also want to express our gratitude towards respected School Dean Mrs. Ranjana Badrefor her continuous encouragement.

We would be failing in our duty if we do not thank all the other staff and faculty members for their experienced advice and evergreen co-operation

1. Amisha Madanu sign
2. Rutuja Khakare sign
3. Komal Bonde sign
4. Nikhil Kinikar sign
5. Aditya Karpe sign

ABSTRACT

The software is based on android it provides the features like writing notes and reminder. It is user-friendly and helps in the reminding the tasks to be performed on a particular time, the local database is driven by Firebase and the notes in the app can also be modified.

This system is an android application where the users will be using the android application for Task Management, Productivity, “Getting Things Done” (GTD), Scheduling. These applications is meant for everyone. We have a lot of choices to help us keep track of daily obligations.

1. INTRODUCTION

TODO List is an application by which any person can manage tasks in his life. This application has various small parts like commenting on task, removing task, editing existing and creating new task and can set reminder as per the time period or slot.

This application is the tool for creating and managing tasks for our day today life. It includes gathering tasks, scheduling, task tracking and removing a task when they are completed.

Individuals use TODO List application tools like a pen and a pad or software tools to organize and accomplish personal goals for every day's chores as per the reminder.

Teams rely on TODO List application software to collaborate and achieve group goals together. Tasks could have status, start date, due date.

1.1 Motivations

As there is a pandemic situation due to COVID-19 all the students are having online classes and due to stress or other pending works they tend to forget about many things such as completion of assignments, attempting quizzes or completing an activity in the given time period.

So as to avoid such a situation we thought of creating an application where the user can use the reminder system provided in the app to remind about the things which the person is supposed to complete in the given time period. Completion of the task in the TODO List will give us a sense of accomplishment and progress of the user's work.

1.2Problem Statement

Developing an application for setting reminder and taking notes using android.

1.3Objectives and Scope

- TODO List App main objective is to remind about the work the person is supposed to do at a given time slot.
- Its primary purpose of a to-do list is to set your mind at ease that you know what your responsibilities are.
- It helps prevent your most urgent things from slipping through the cracks. Any good to-do list allows you to emphasize your highest priority items.

For future scope we can implement alarm, stopwatch, timer or backup to the TODO application in the future.

2. LITERATURE SURVEY

For implementing the TODO Application. We took survey by downloading and installing many task management applications on our mobile phones. Then checked and studied all those applications and noted down all the drawbacks and advantages of those applications. After that we realized there were many problems regarding simplicity, Time required, Data management, Security and the other problems that were faced by the users as well as the students while creating tasks.

1. **TITLE(PAPER NAME):** The Note-Taker

   AUTHOR: David S. Hayden, John A. Black

   PUBLISHED IN YEAR:2010

   DESCRIPTION: Note-taking is a fundamental learning activity that should be practiced by every serious secondary or post-secondary student. Research has shown that the mental processing that occurs during note-taking helps students consolidate and retain classroom instruction, even if they never study their notes afterward. However, students who are legally blind can have difficulty taking notes in the classroom. Even with a visual aid (such as s monocular) for viewing the front of the room, a fast paced class can make it difficult for a student who is legally blind to keep up with the lectures - especially in more advanced classes. Some schools have attempted to help such students by equipping classrooms with audio or video recording systems, or by paying other students to take notes for them. However, these approaches do not actively engage the student in note-taking during the lecture. In this paper we discuss our research, which is aimed at developing a portable Tablet-PC-based Note-Taker that can be carried from classroom to classroom by the student, and does not require lecturers to adapt their presentations in any way.

   SOURCE: IEEE

2. **TITLE(PAPER NAME):**Management of non-behavioral tasks via auto reminder and notifier

   AUTHOR: Sania Bhatti,Amirita Dewani, Tahseen Hafiz, Pashmeena Noor, Mahnoor Gul Memon

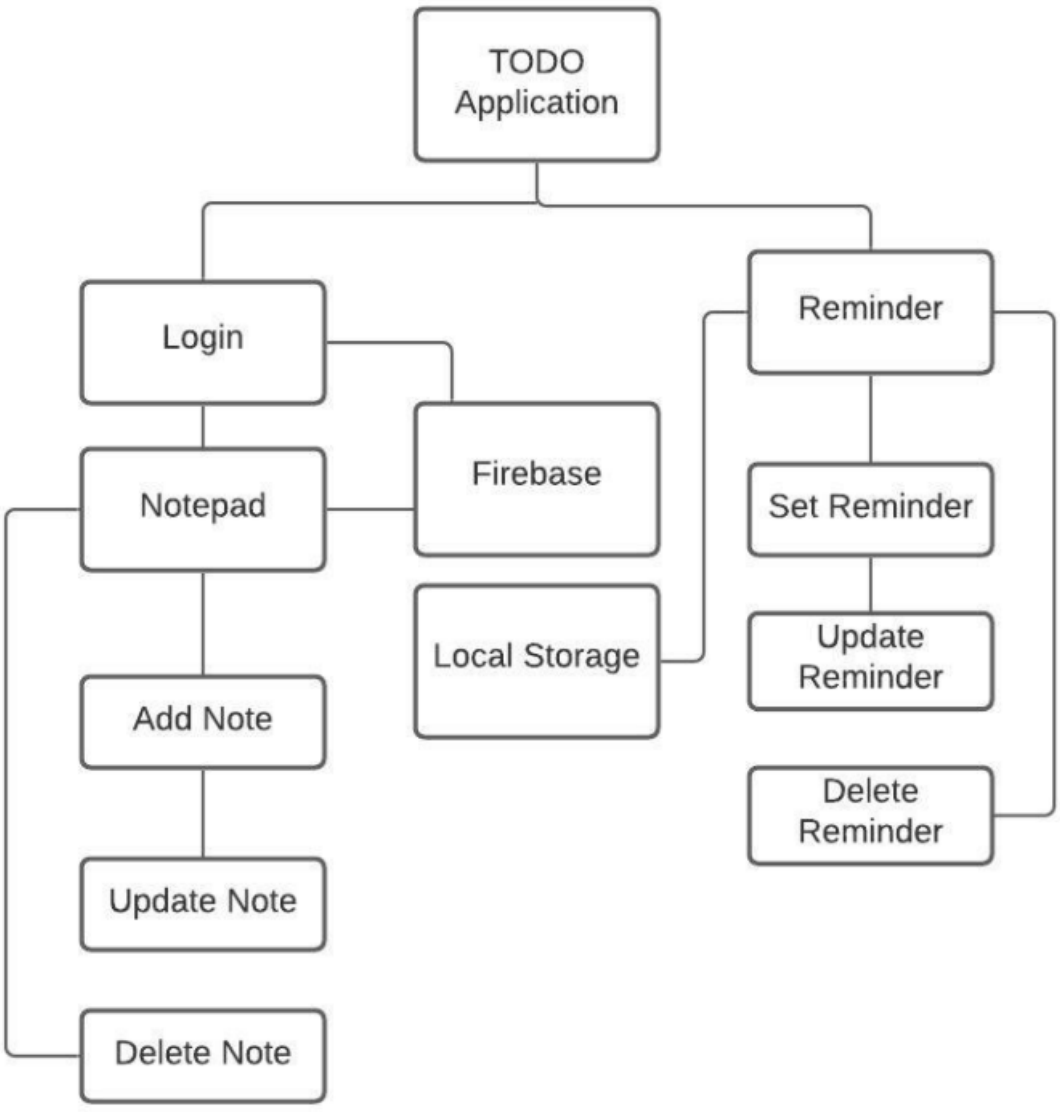
   PUBLISHED IN YEAR: 2018

   DESCRIPTION: The revolutionary advent of technology has seamlessly integrated usage of smart gadgets and social media in our existing workflow practices thereby making schedule of every other individual quite tiring and packed. As a result, we often fail to remember essential tasks, to-do list, important meetings and assignments. One way is to create manual reminders and getting notifications accordingly; but this needs human intervention. This work presents a more promising approach for design and development of a smart android app that will access SMS's consisting of useful information for creating reminders and notifications irrespective of any human involvement. It will be of paramount interest for users to get reminded and notified about expiry dates of availed mobile tariffs, upcoming meetings and significant activities. This app can parse messages sent by friends, family and co-workers and auto schedule reminders if arrived messages contain any useful schedulable information. In addition, this app can also process emails received through Gmail, and Messages received via Facebook and WhatsApp. This app is incredibly customizable according to user preferences and has option to decide when and if the user should get notified. As a part of user testing an initial version of this smart app was uploaded to Google Play store. End-user response was measured in terms of reviews, ratings and app downloads as discussed in results section.

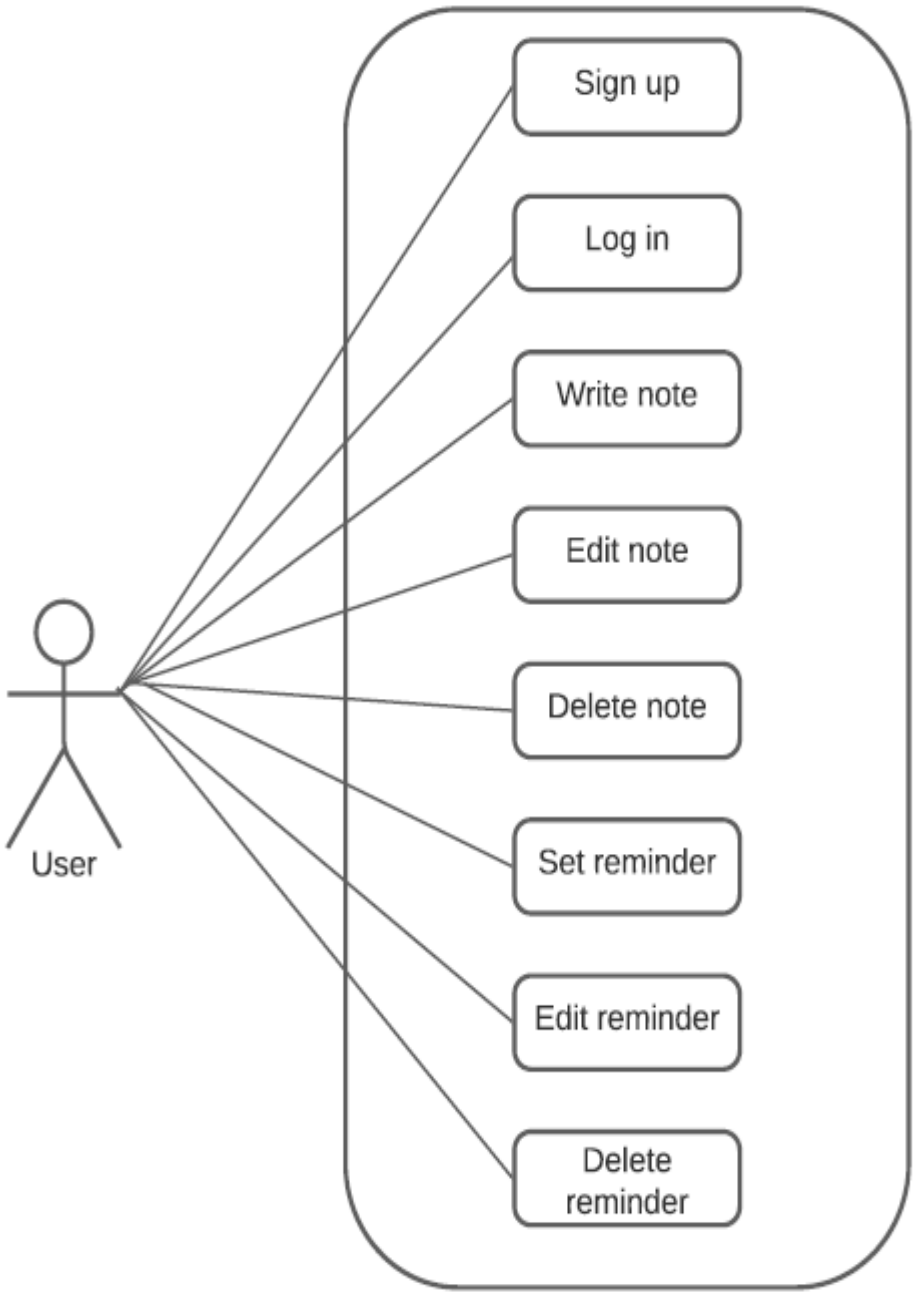
   SOURCE: IEEE

3.SYSTEM DESIGN

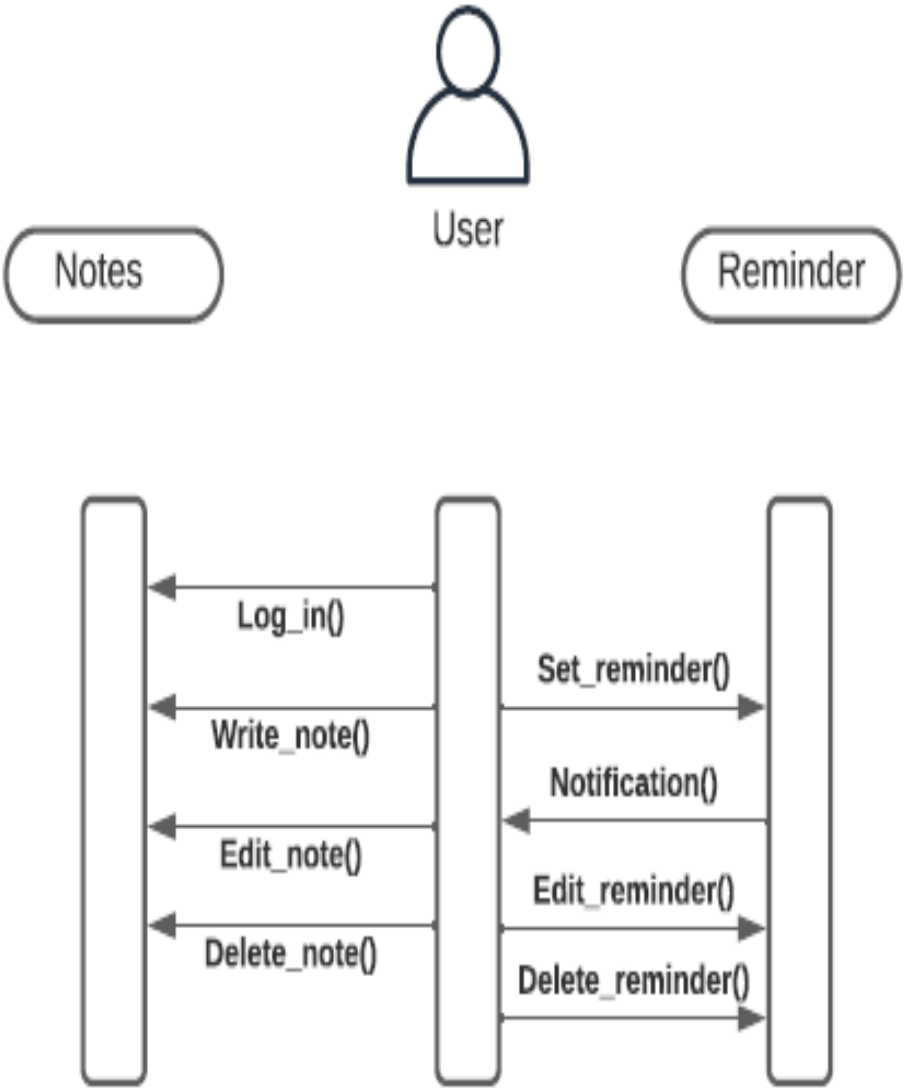
3.1 Block diagram



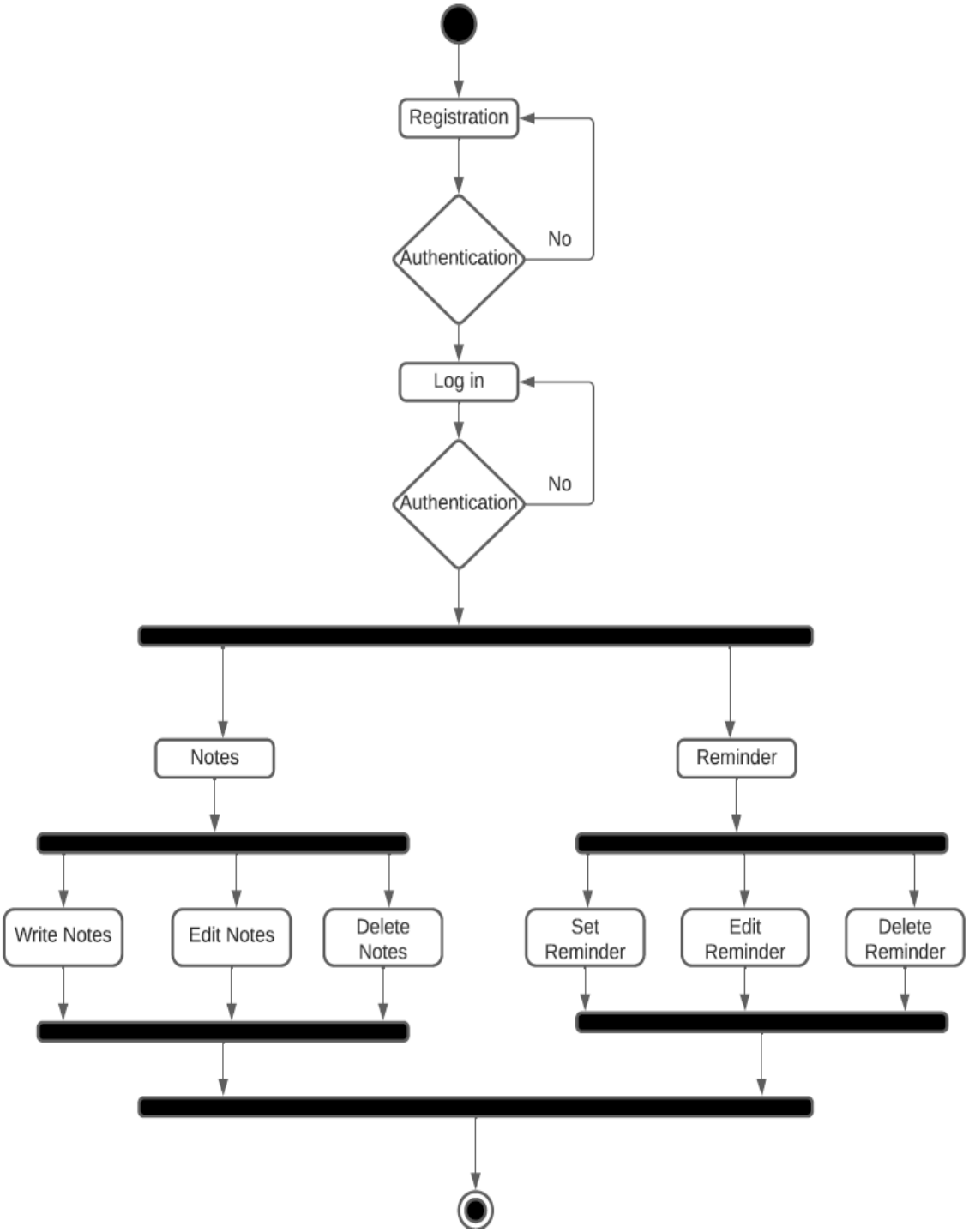
3.2 Use Case Diagram



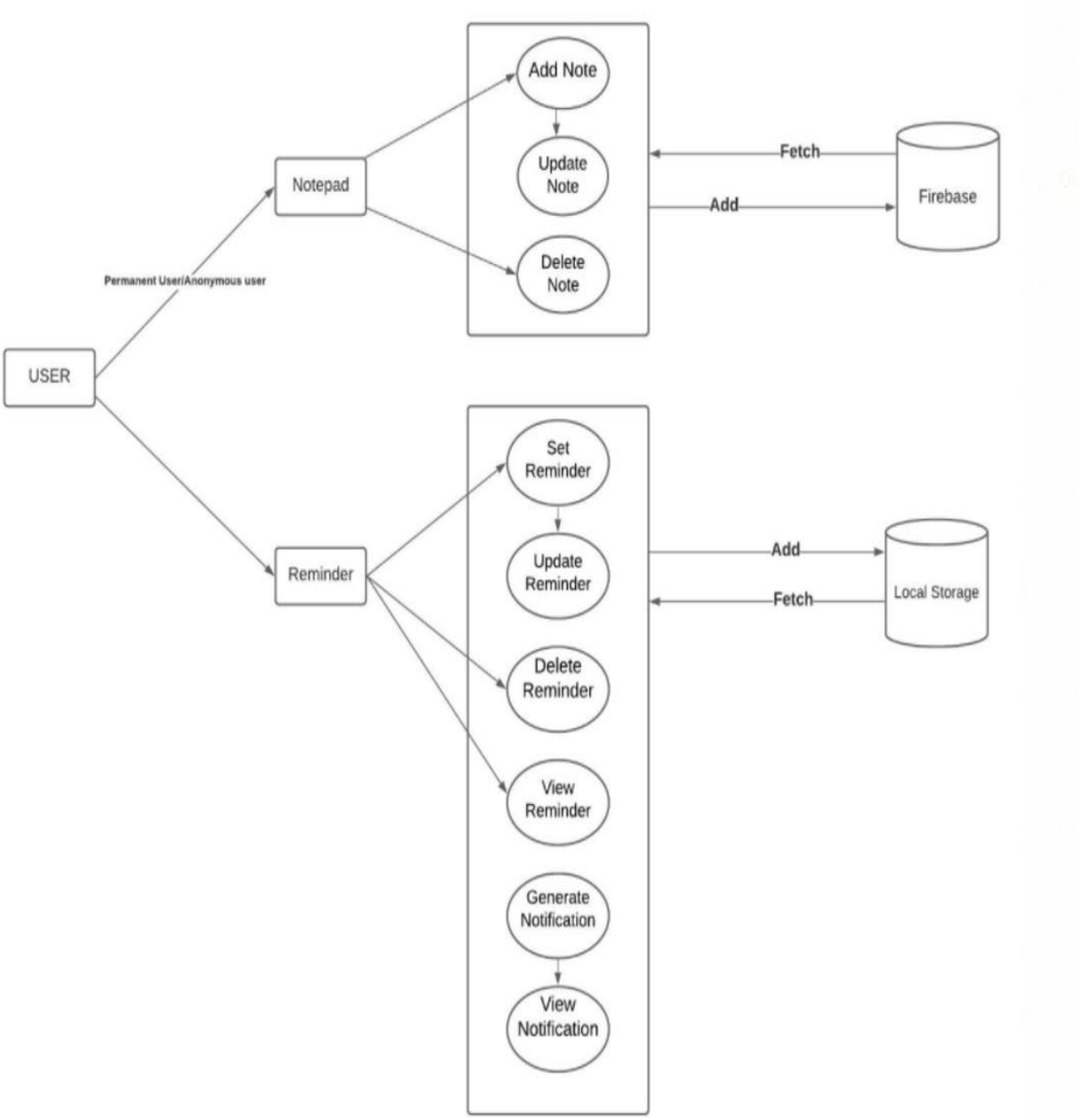
3.3 Sequence Diagram



3.4 Activity Diagram



3.5 Architecture Diagram



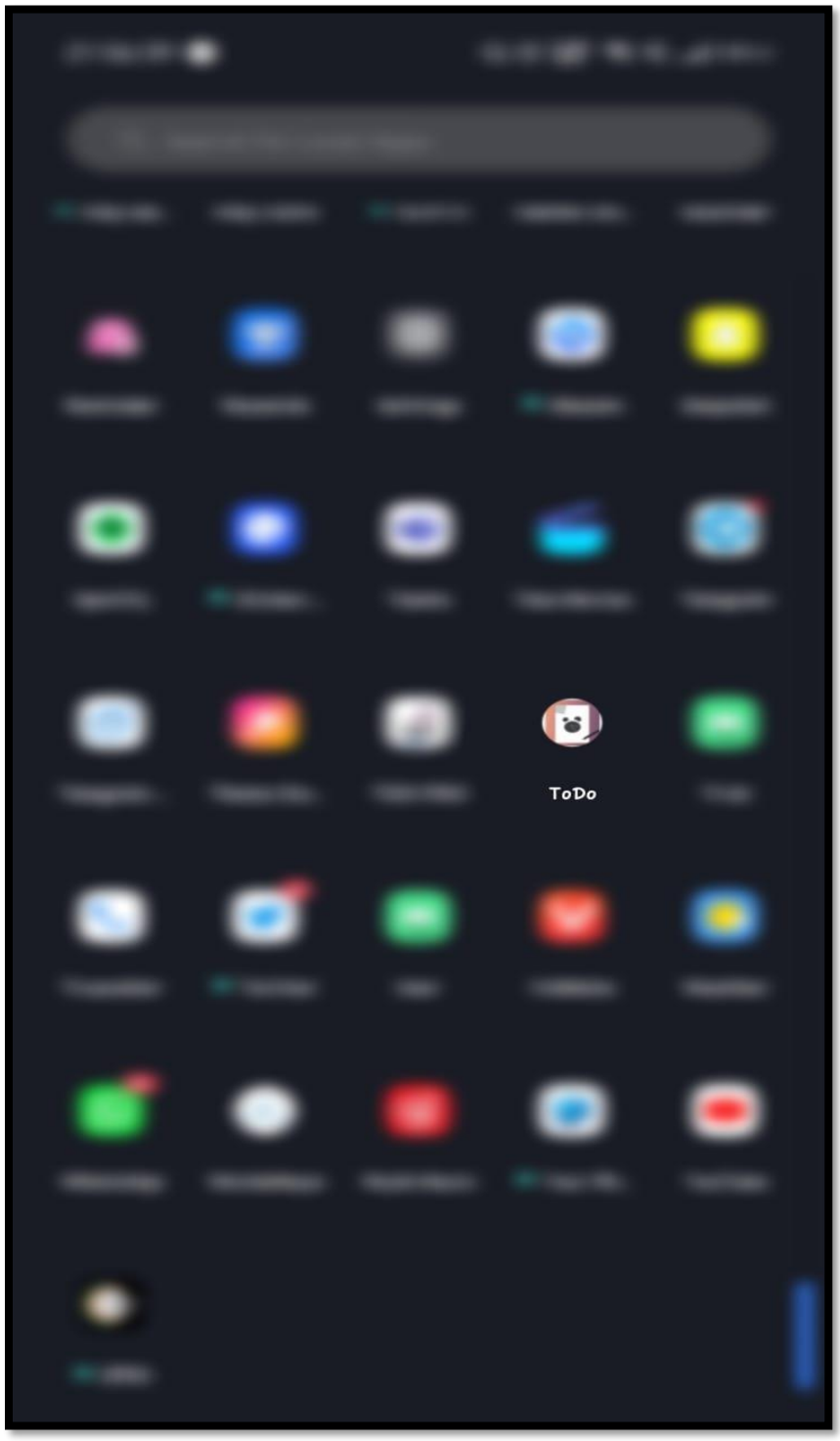
3.6 Hardware and Software Requirements

- HARDWARE REQUIREMENTS
  a) Processor : Intel P-IV based system
  b) Processor Speed : 2.0. GHz
  c) RAM : 1GB
  d) Hard Disk : 40GB to 80GB

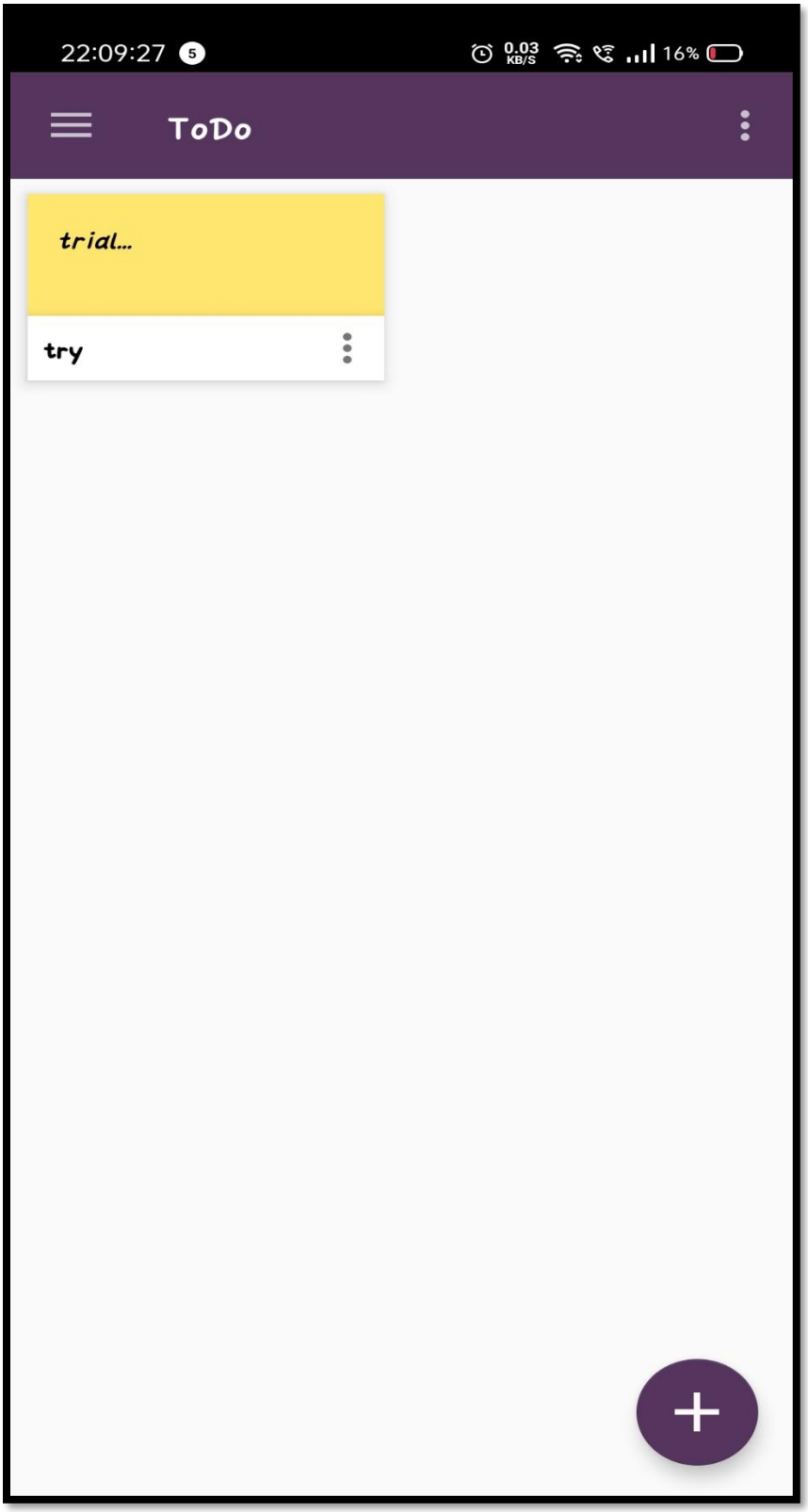
- SOFTWARE REQUIREMENTS
  a) Operating System: Windows
  b) Android Studio
  c) Google Emulator

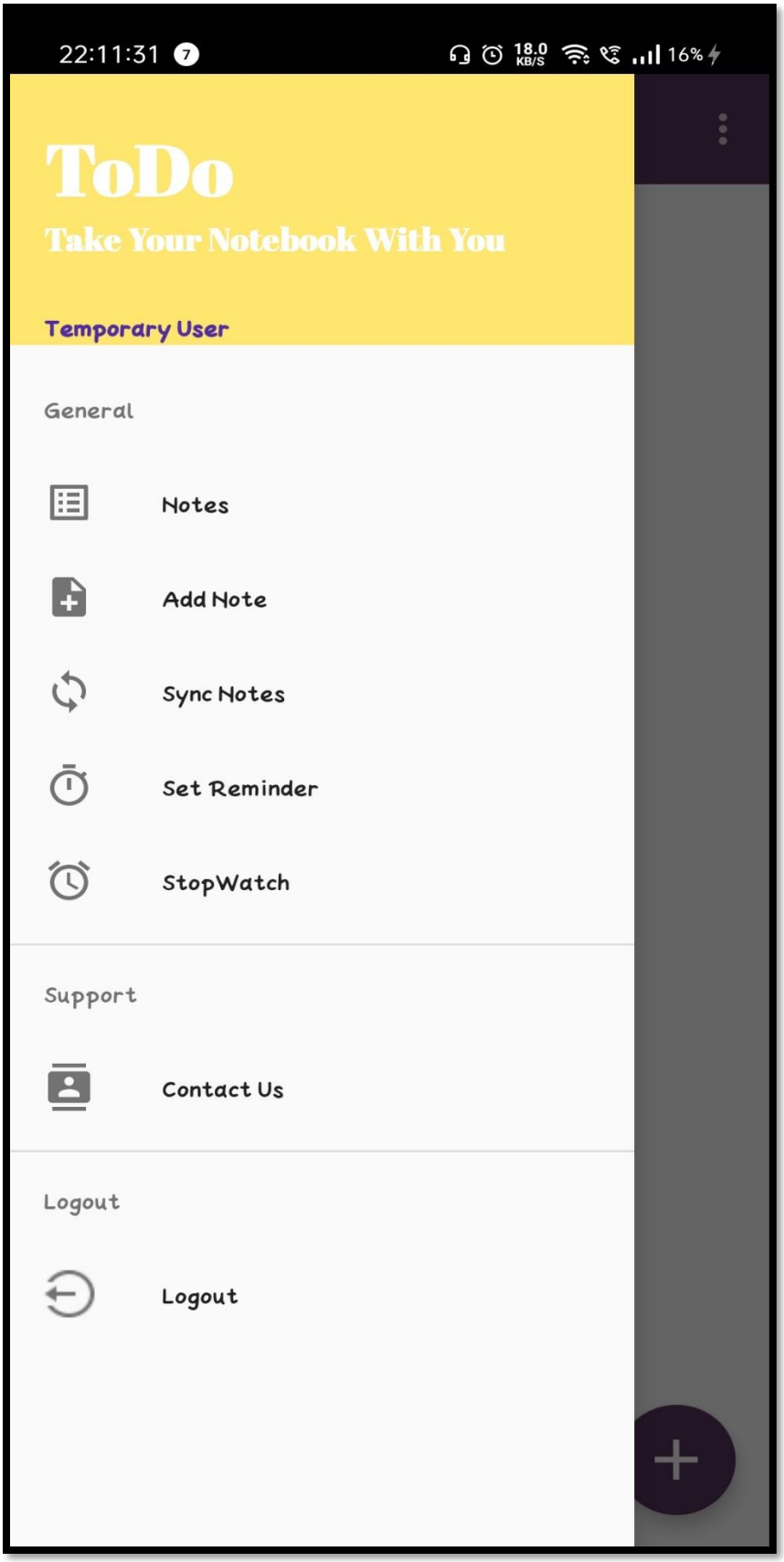
4.Implementation and Result

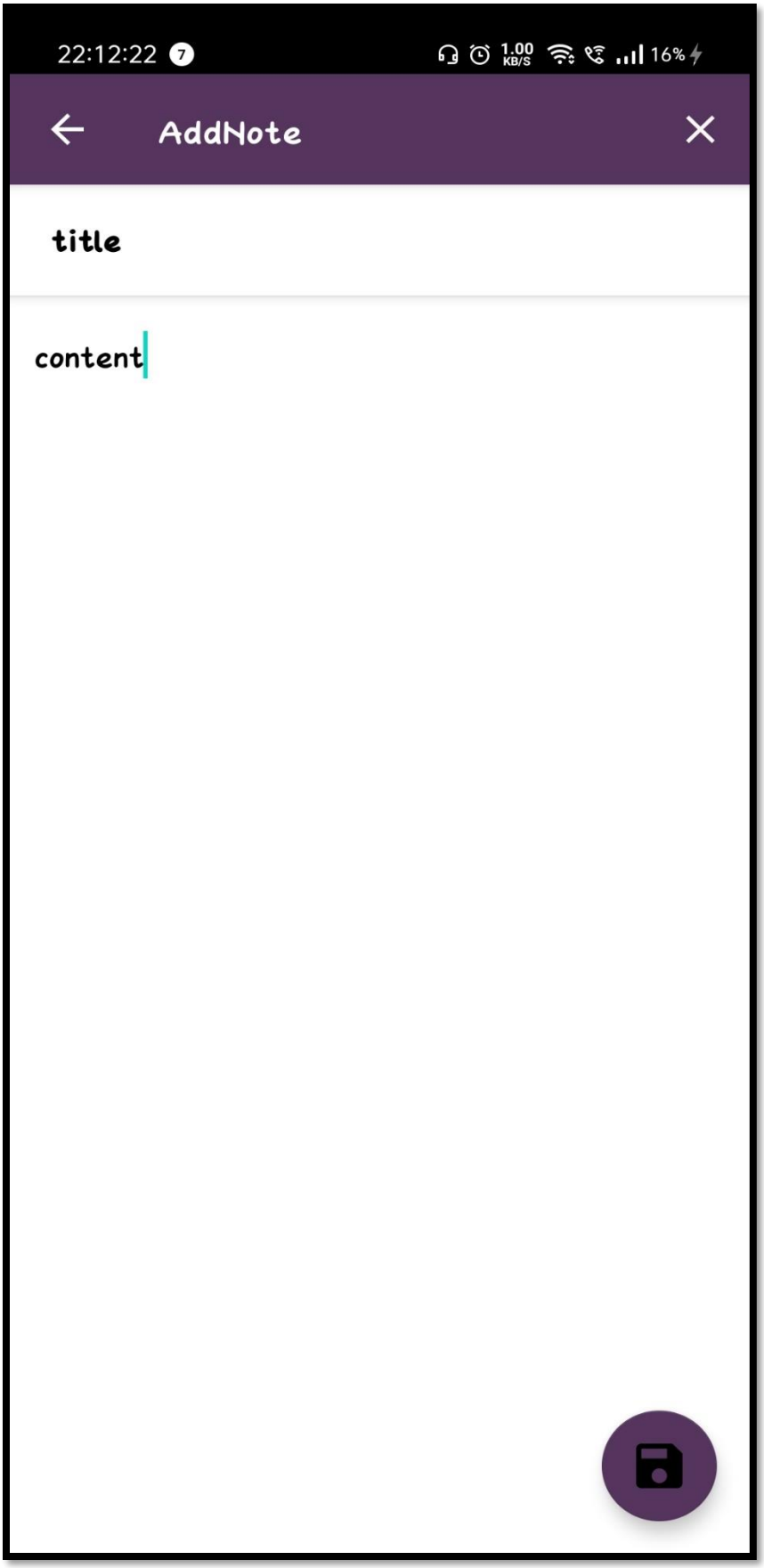
4.1 Result

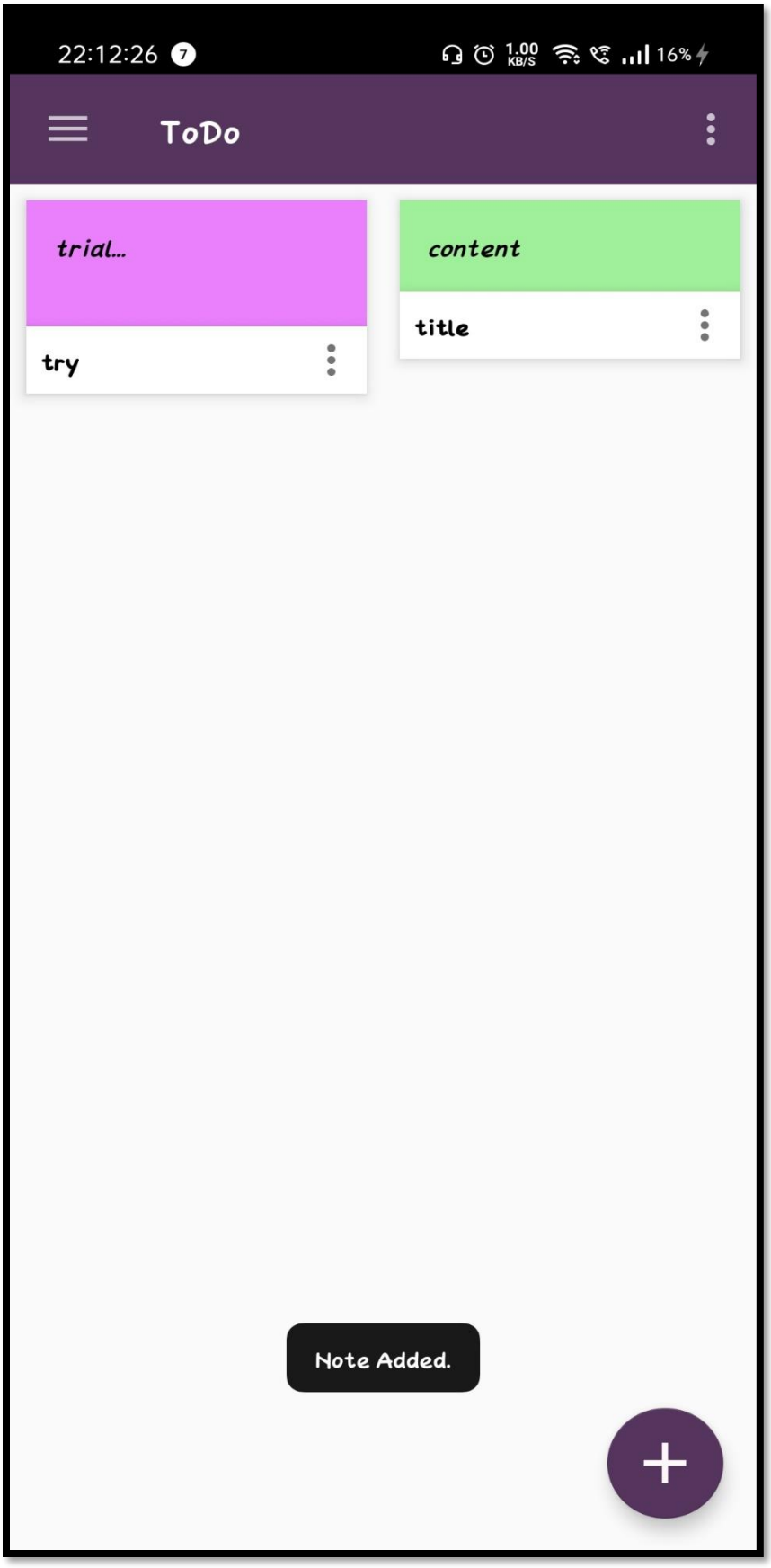


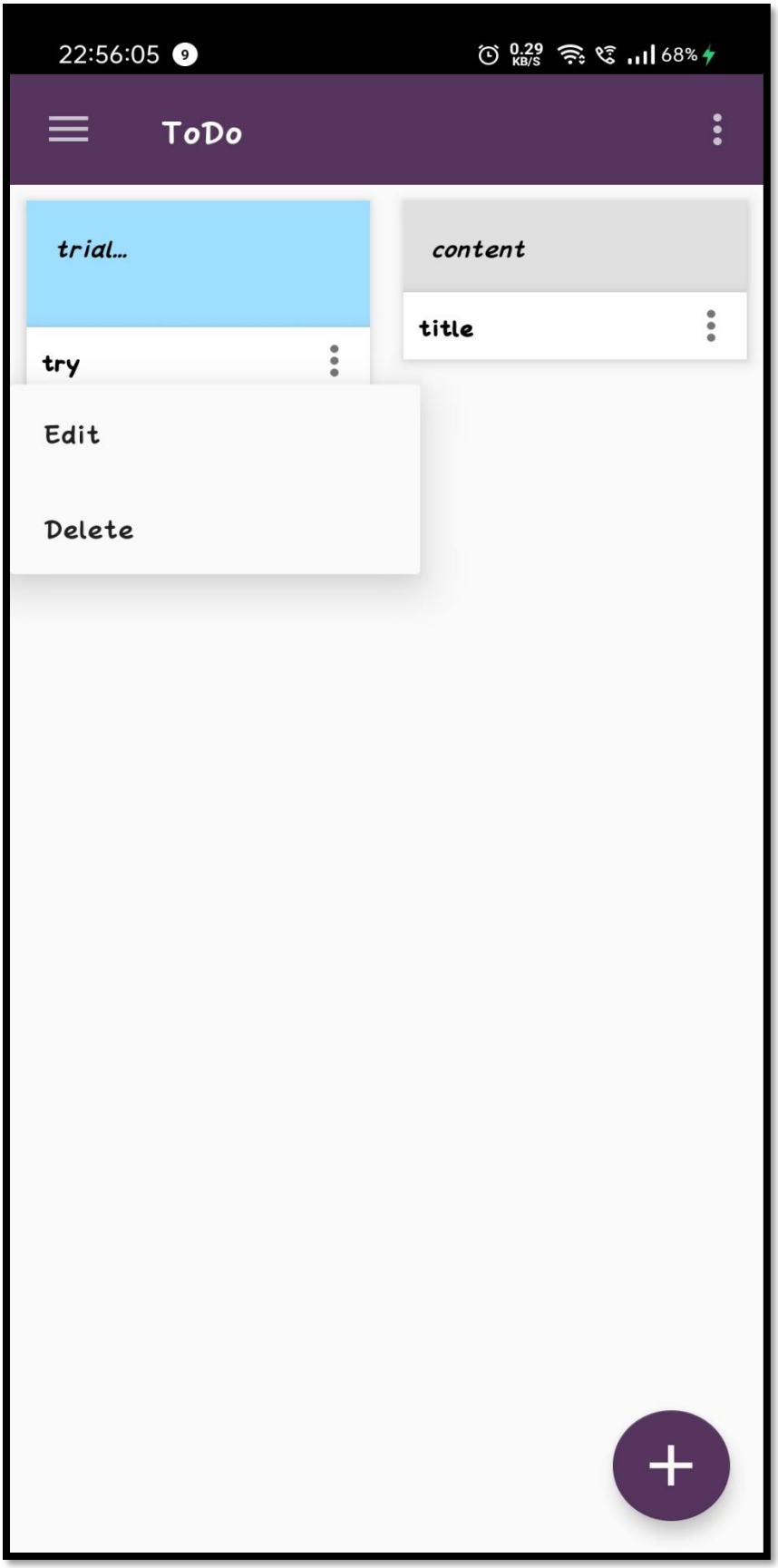

22:09:17
0.27
KB/S
16%
ToDo

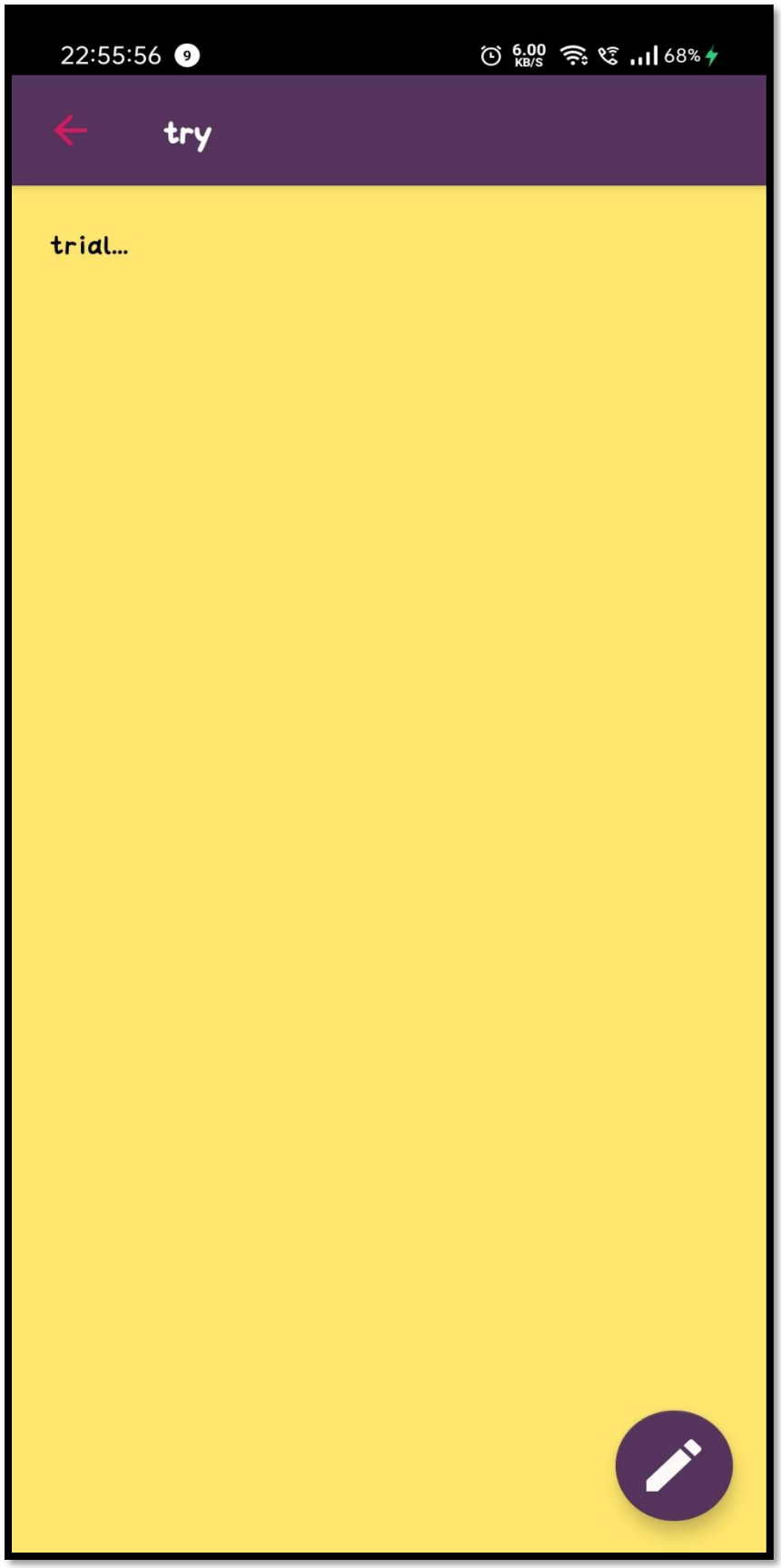

22:09:27
5
0.03
KB/S
16%
ToDo
trial...
try

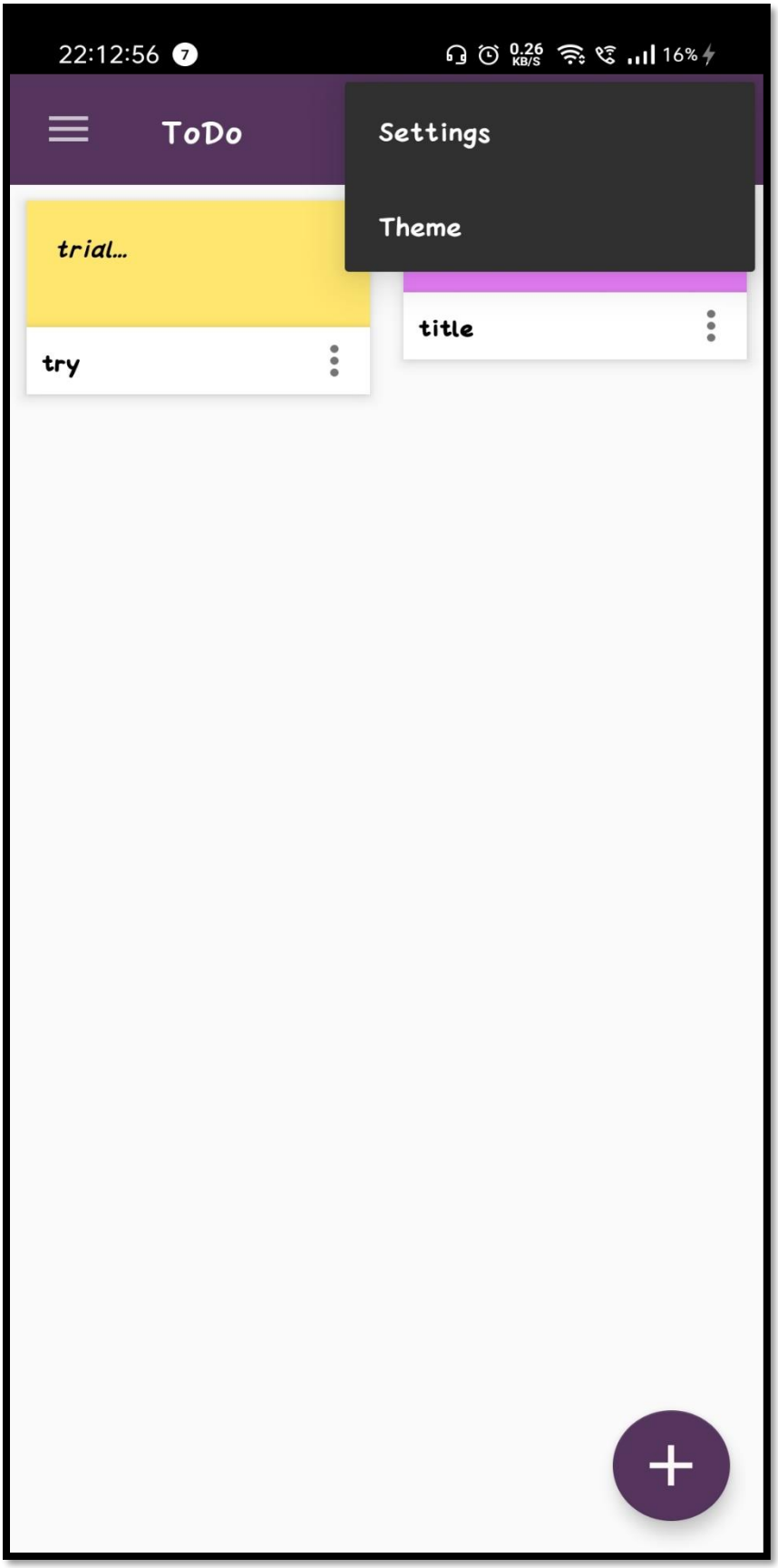

22:11:31
ToDo
Take Your Notebook With You
Temporary User
General
Notes
Add Note
Sync Notes
Set Reminder
StopWatch
Support
Contact Us
Logout
Logout

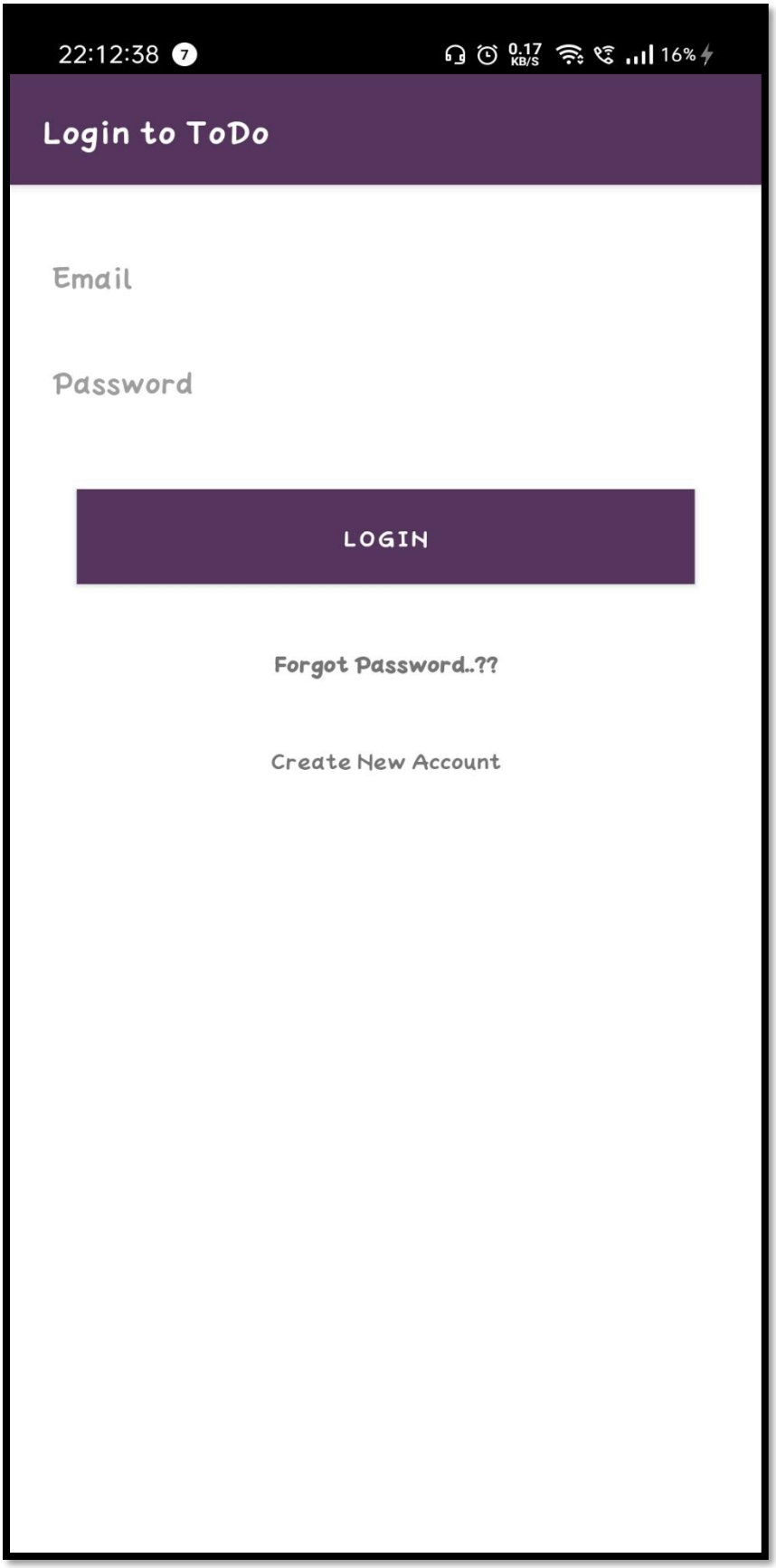

22:12:22
1.00 KB/S
16%
AddNote
title
content

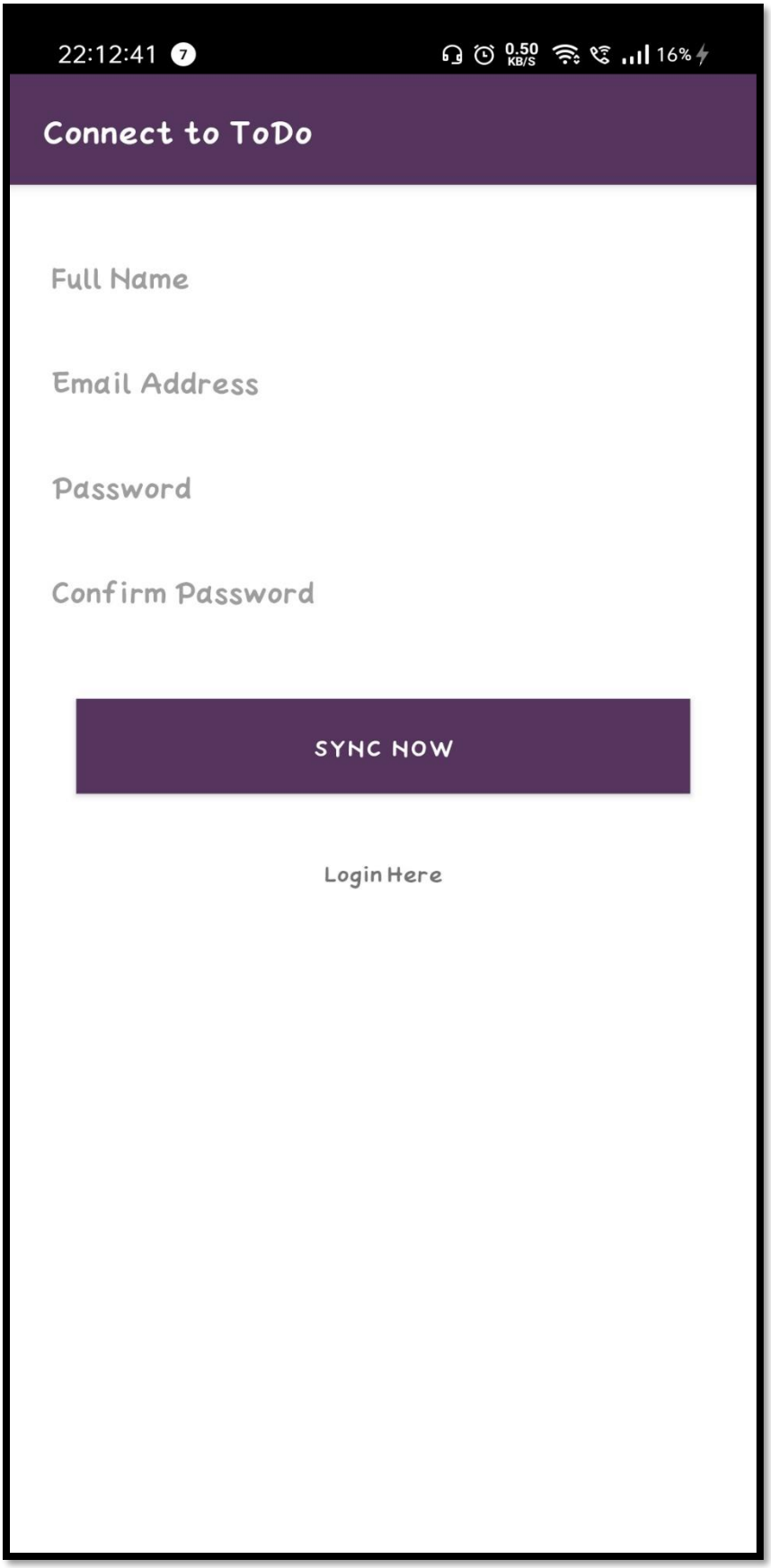

22:12:26
1.00 KB/S
16%
ToDo
trial...
try
content
title
Note Added.

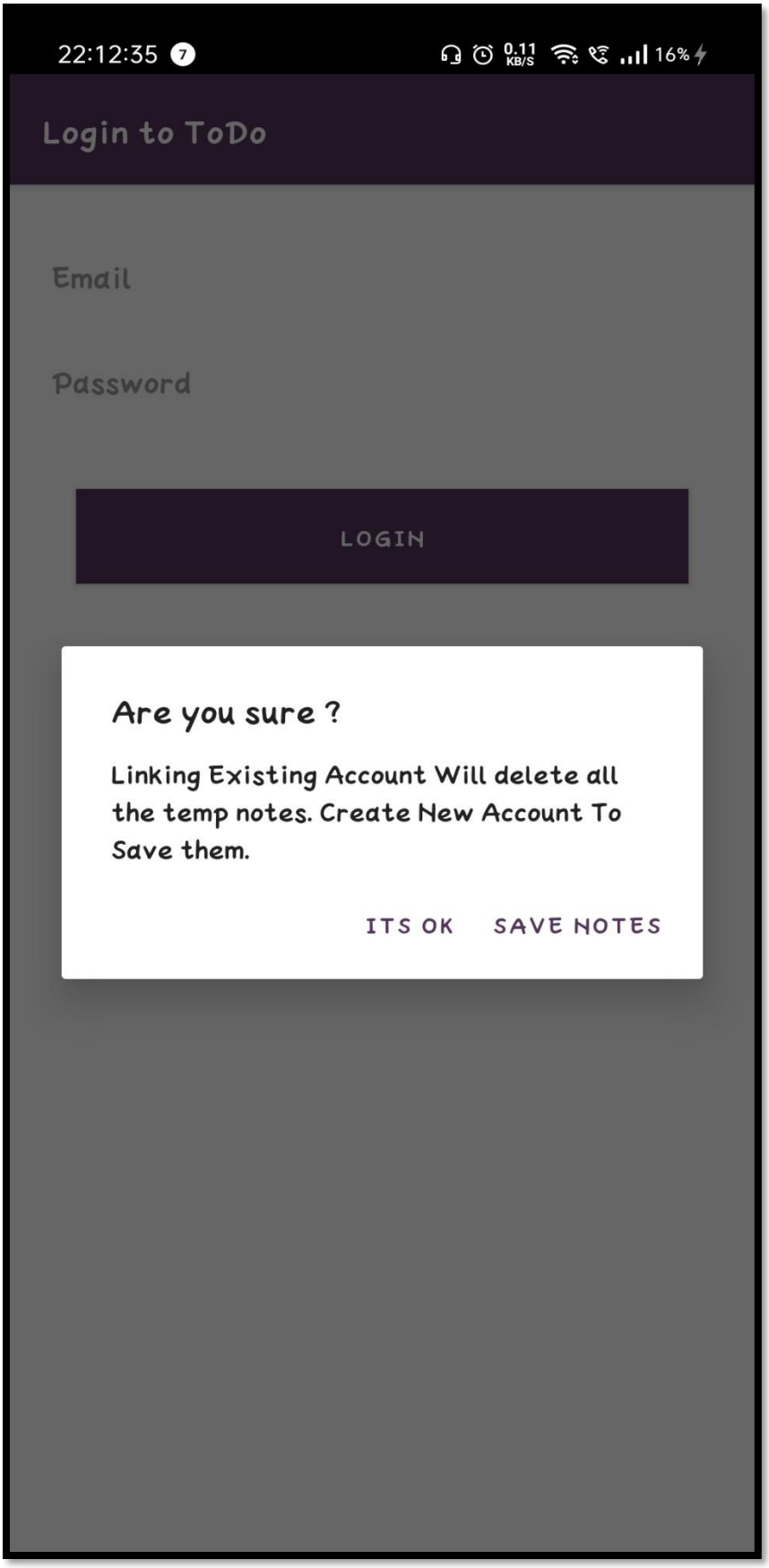

22:56:05
9
0.29
KB/S
68%
ToDo
trial...
content
try
title
Edit
Delete

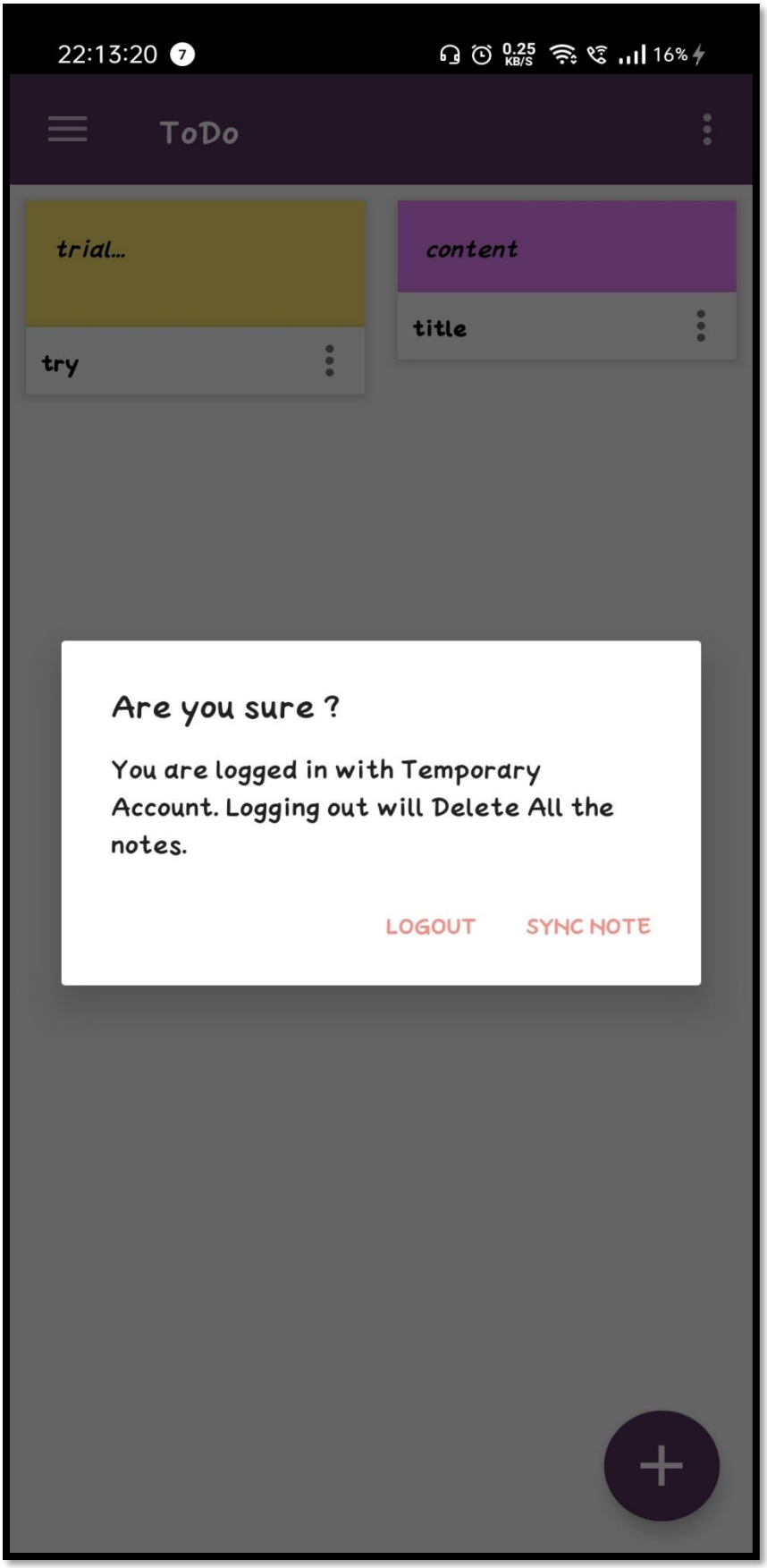

22:55:56
9
6.00
KB/S
68%
try
trial...

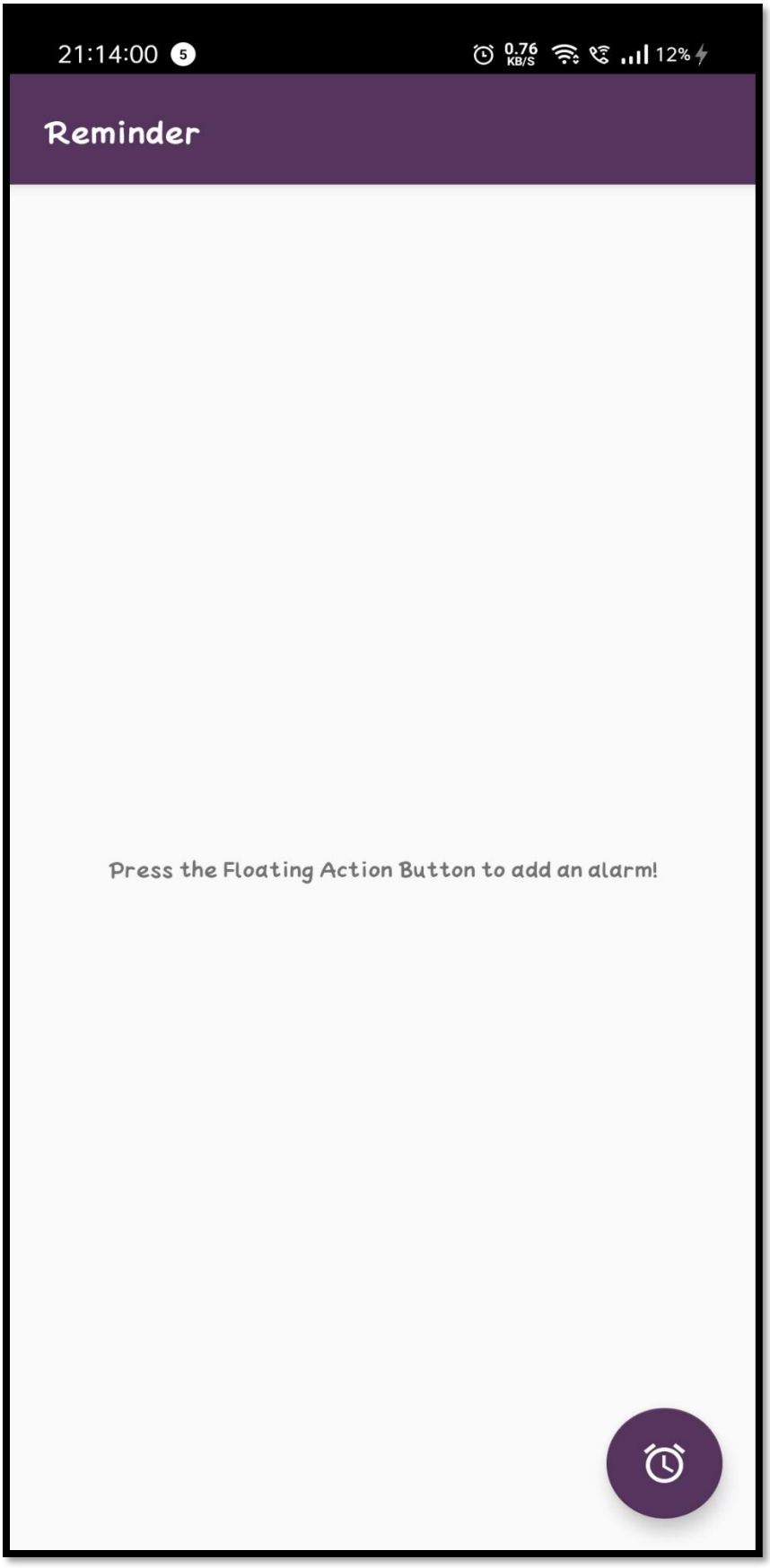

22:12:56
7
0.26
KB/S
16%
ToDo
Settings
Theme
trial...
try
title

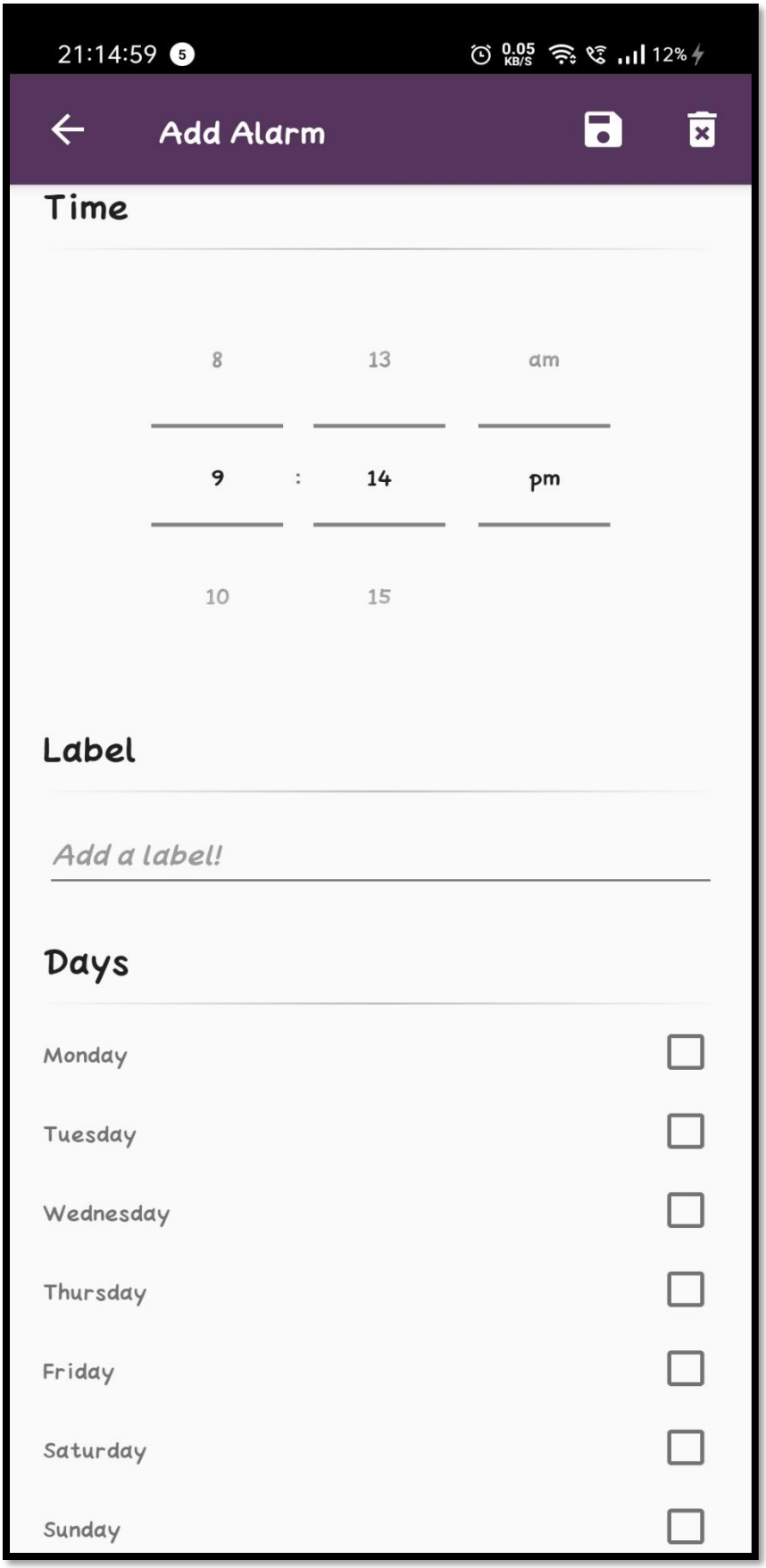

22:12:38
7
0.17
KB/S
16%
Login to ToDo
Email
Password
LOGIN
Forgot Password..??
Create New Account

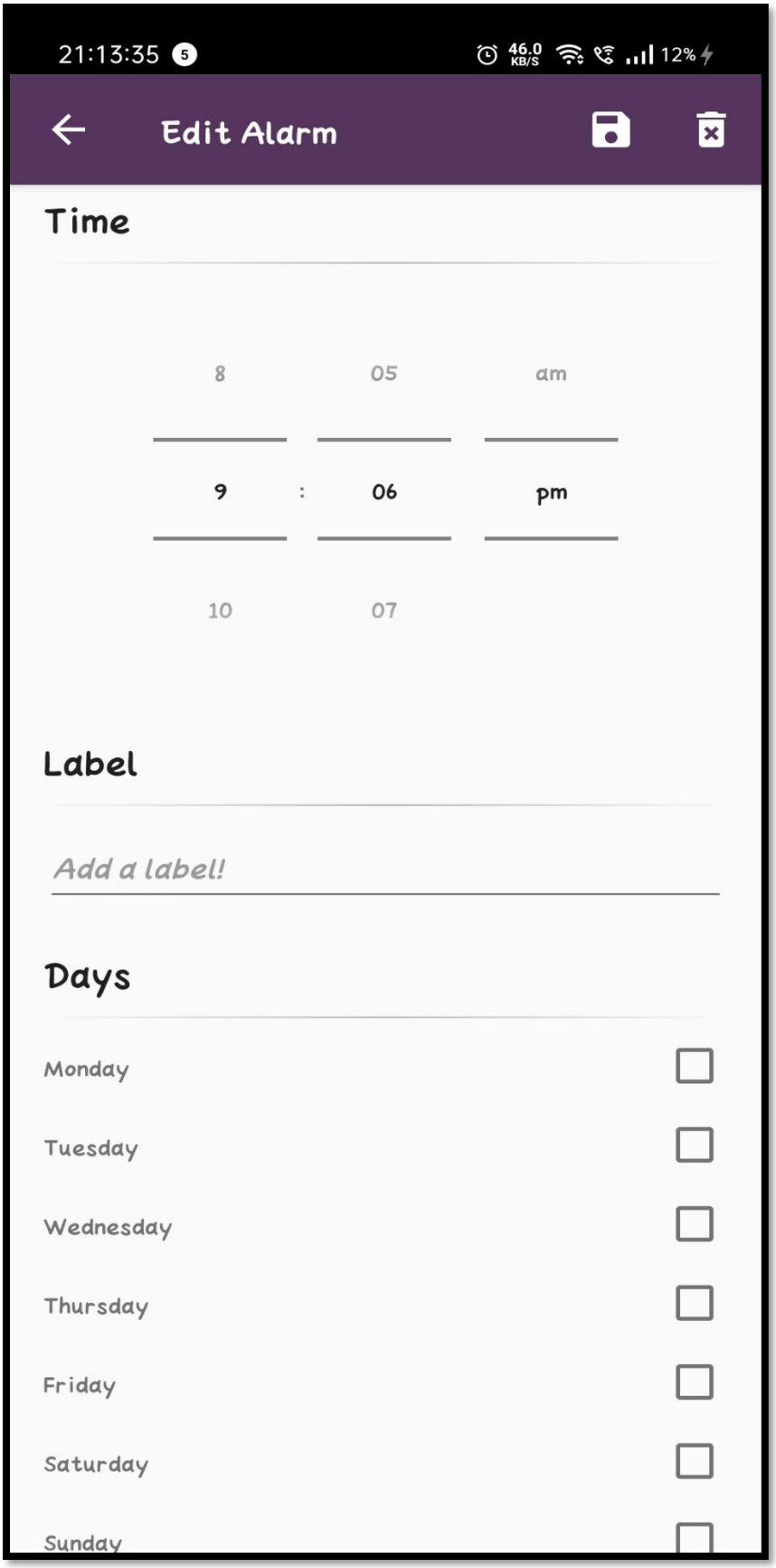

22:12:41
7
0.50
KB/S
16%
Connect to ToDo
Full Name
Email Address
Password
Confirm Password
SYNC NOW
Login Here

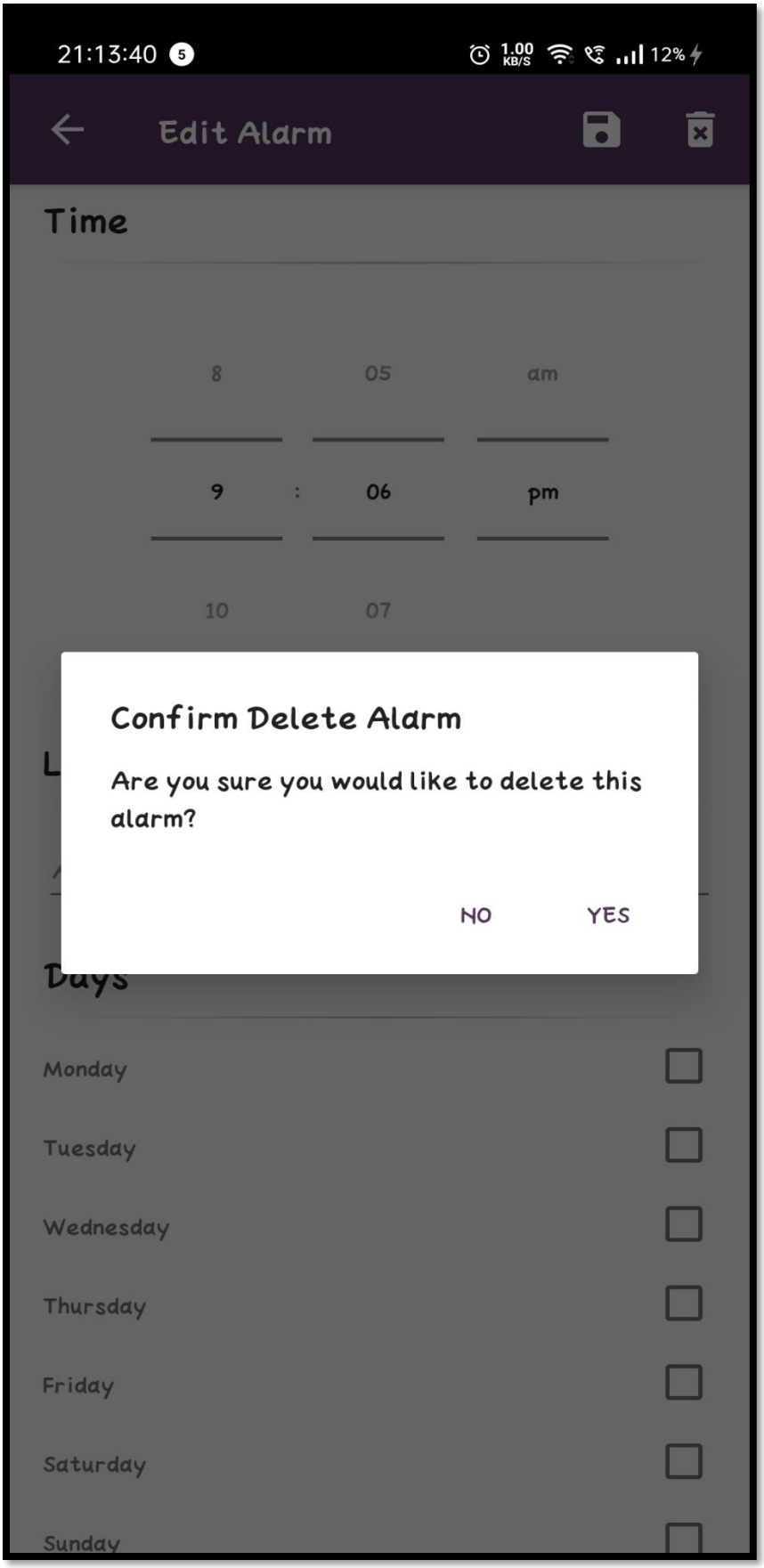

22:12:35
Login to ToDo
Email
Password
LOGIN
Are you sure ?
Linking Existing Account Will delete all the temp notes. Create New Account To Save them.
ITS OK
SAVE NOTES


22:13:20
ToDo
trial...
try
content
title
Are you sure ?
You are logged in with Temporary Account. Logging out will Delete All the notes.
LOGOUT
SYNC NOTE


21:14:00
5
0.76
KB/S
12%
Reminder
Press the Floating Action Button to add an alarm!


21:14:59
5
0.05
KB/S
12%
Add Alarm
Time
8
13
am
9
:
14
pm
10
15
Label
Add a label!
Days
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday


21:13:35
5
46.0 KB/S
12%
Edit Alarm
Time
8
05
am
9
:
06
pm
10
07
Label
Add a label!
Days
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday


21:13:40
Edit Alarm
Time
8
05
am
9
:
06
pm
10
07
Confirm Delete Alarm
Are you sure you would like to delete this alarm?
NO
YES
Days
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday


21:13:44
5
0.11 KB/S
12%
Reminder
9:06PM
M Tu W Th F Sa Su
9:07PM
M Tu W Th F Sa Su
9:10PM
M Tu W Th F Sa Su
9:11PM
M Tu W Th F Sa Su
Changes Saved


21:13:15
5
0.20 KB/S
12%
Reminder
9:06PM
M Tu W Th F Sa Su
9:07PM
M Tu W Th F Sa Su
9:10PM
M Tu W Th F Sa Su
9:11PM
M Tu W Th F Sa Su

4.2 Discussion

We had a big issue in front of us that we all are at isolated places and have to implement the project. The pandemic was very bitter for us and we had to work on the project and complete it anyhow till the deadline. So we started thinking that how can we work together efficiently. So everyone of us came up with an idea, that was to discuss everything on meet and everyone should be there while someone is doing his part, to do own part on personal machine then send it to someone who is integrating it and send it on what's-app, to do own code and upload on drive then someone will integrate it, to do any-desk and do the whole work on single pc.

We took everyone's idea in consideration and by majority votes to any-desk we did the project work on that platform, as we can access the system of that person and talk if we have some issue.

Basically we decided to use android studio for app development and xml and java as front end and Firebase as backend as most of us were familiar with it. We divided the task between ourselves that who will do what part and all. After that on Aditya's laptop we did the coding through any-desk and if someone was unable to solve the error then other member helped in solving the issues that we face.

5.Conclusion and Future Scope

5.1Conclusion

Hence, we develop a project of To Do Application. We understood how to manage tasks with help of application. We studied about schemes and how to insert and display user's tasks. It was a great experience to design and implement the To Do Application by using an Android Studio. While working on this project, we have developed our programming skills, communication skill etc. after conducting the survey.

To sum up, a compilation of to-do list is a peculiar, very creative and at the same time a serious process – it is definitely worth spending time on it and making your personal work more logical and consistent. Also, we have learned that special task management software can help specialists with their to-do listing. We get to understand more about the working of Software development community

5.2 Future Scope

For future scope we can implement alarm, stopwatch, timer or backup to the TODO application in the future.

REFERENCES

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