

20CE 504L Programming Skills Development-II Laboratory (2022-23 Sem-I)

Problem Statement

Building a Notes Application in which user can create new note, edit note and delete existing note.

Group Members: -

3341-C22020221341-Pooja Gajghate

3379-C22021222302 - Dnyaneshwari Gawali

3381-C22021222304 - Aishwarya Patankar

3363-C22020221363-Rutuja Karwande

Technology Selected

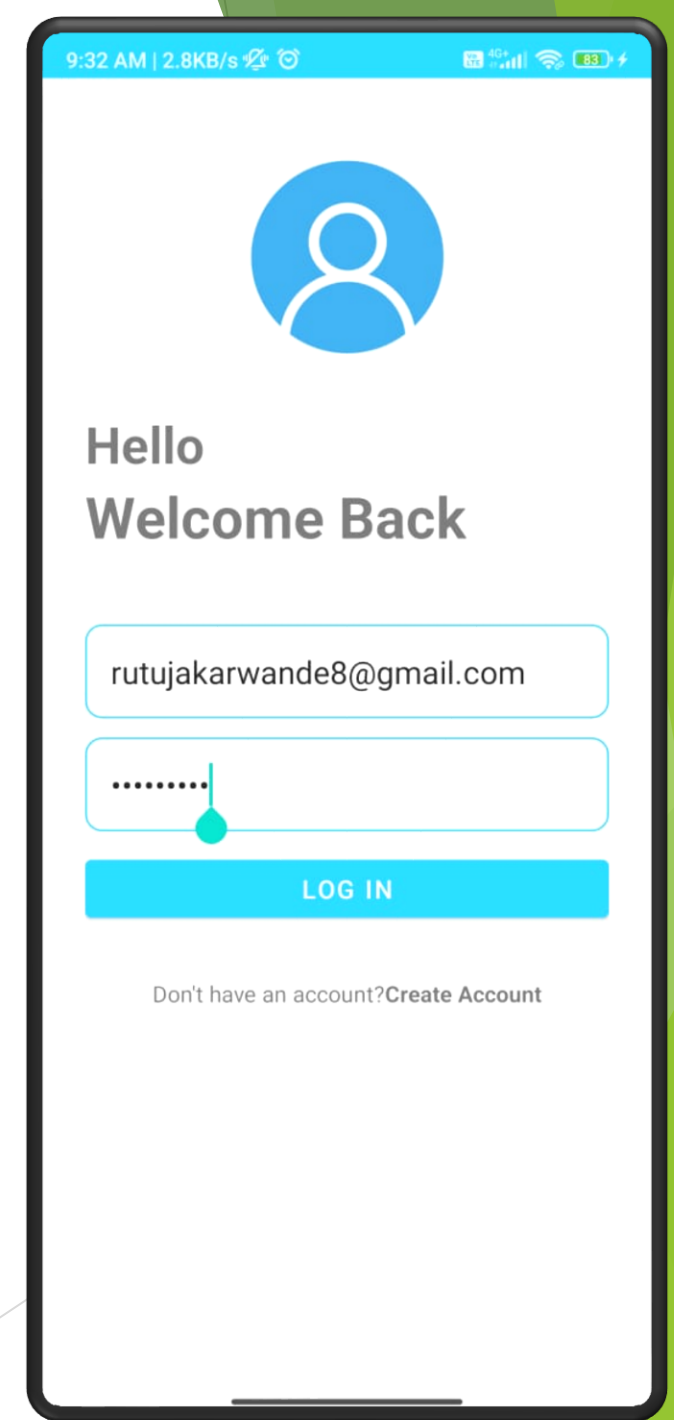
- ▶ Java
- ▶ Firebase (Real World Database)
 - Authentication
 - Cloud Firestore
- ▶ Android

Features

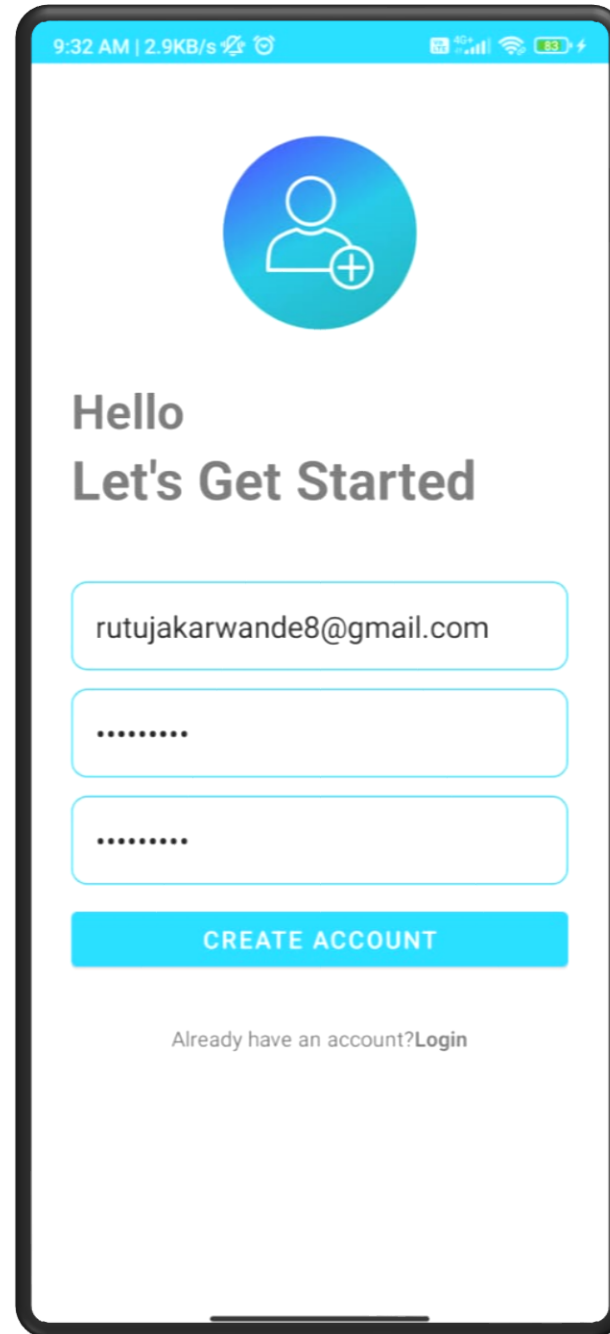
- ▶ RecyclerView
- ▶ Floating Action Button
- ▶ NoteAdapter
- ▶ Toast
- ▶ ProgressBar

Working Flow of Project

1. Login Page For Existing User -




2. Login Page For New User - (Create New Account)



A mobile application interface for creating a new account. The screen features a blue header bar with status information: 9:32 AM, 2.9KB/s, and battery level at 53%. Below the header is a blue circular icon with a white person silhouette and a plus sign. The main text reads "Hello Let's Get Started". There are three input fields: the first contains the email "rutujakarwande8@gmail.com", the second and third are masked with dots. A blue "CREATE ACCOUNT" button is positioned below the inputs. At the bottom, a link says "Already have an account? Login".

9:32 AM | 2.9KB/s | 53%

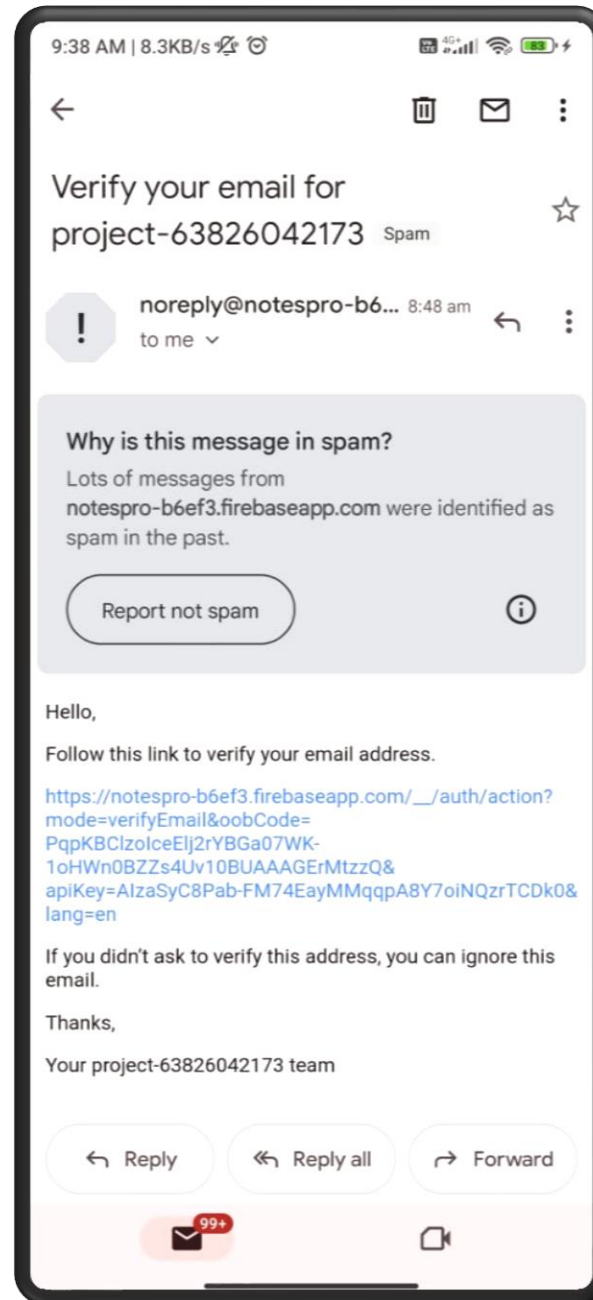


Hello
Let's Get Started

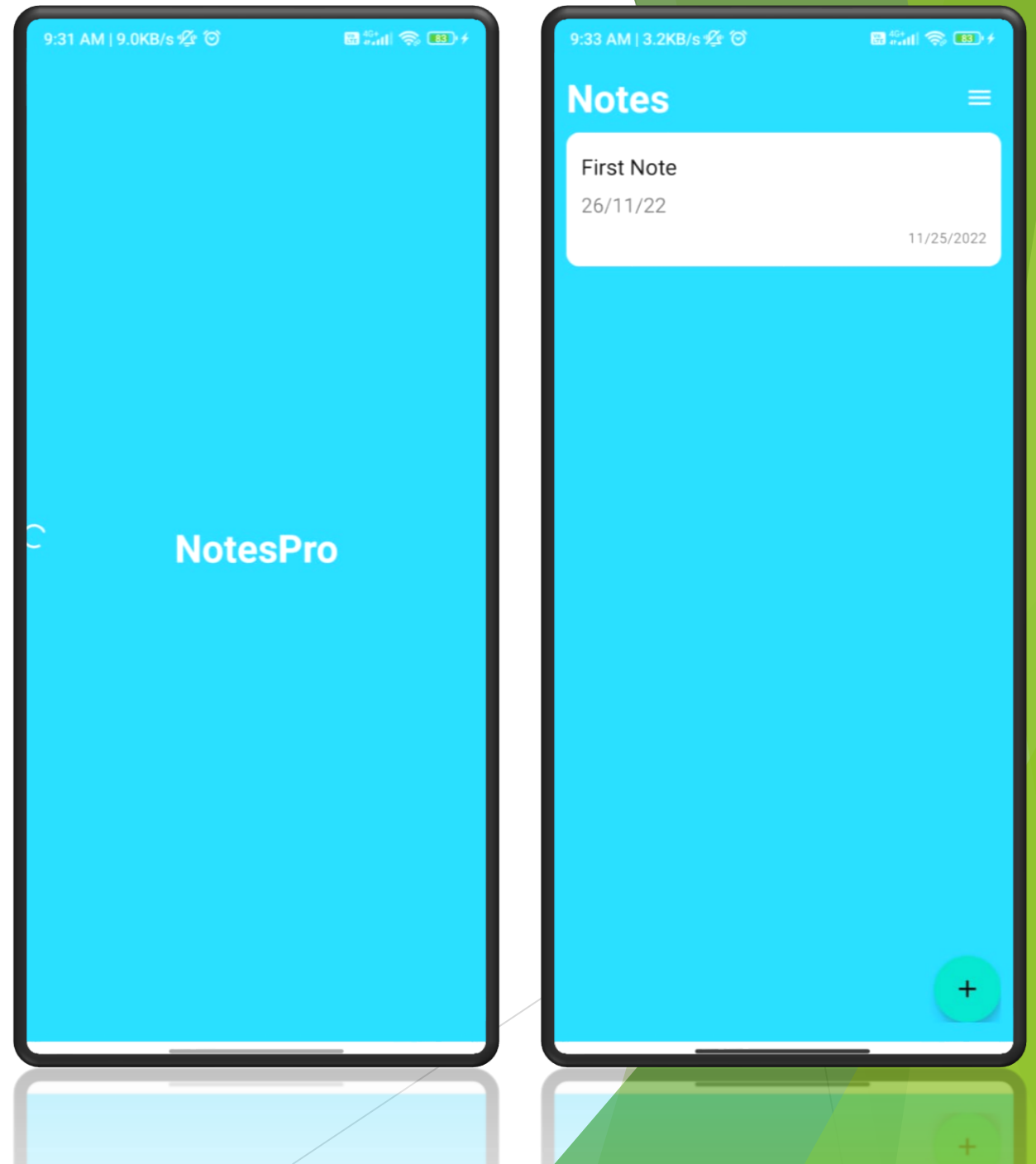
CREATE ACCOUNT

Already have an account? [Login](#)

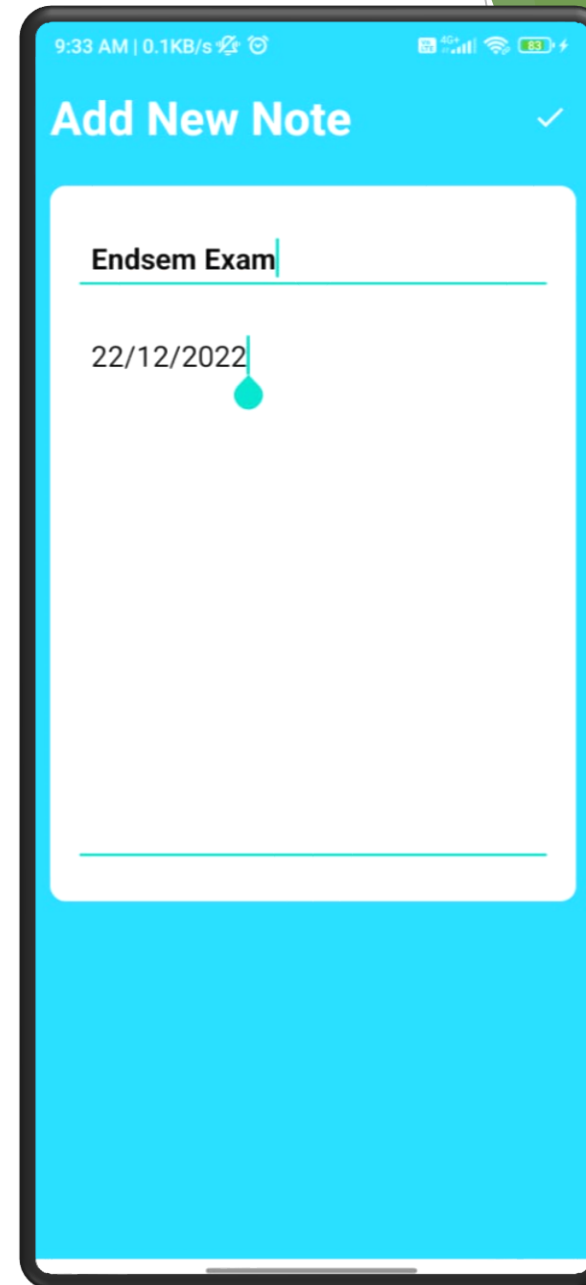
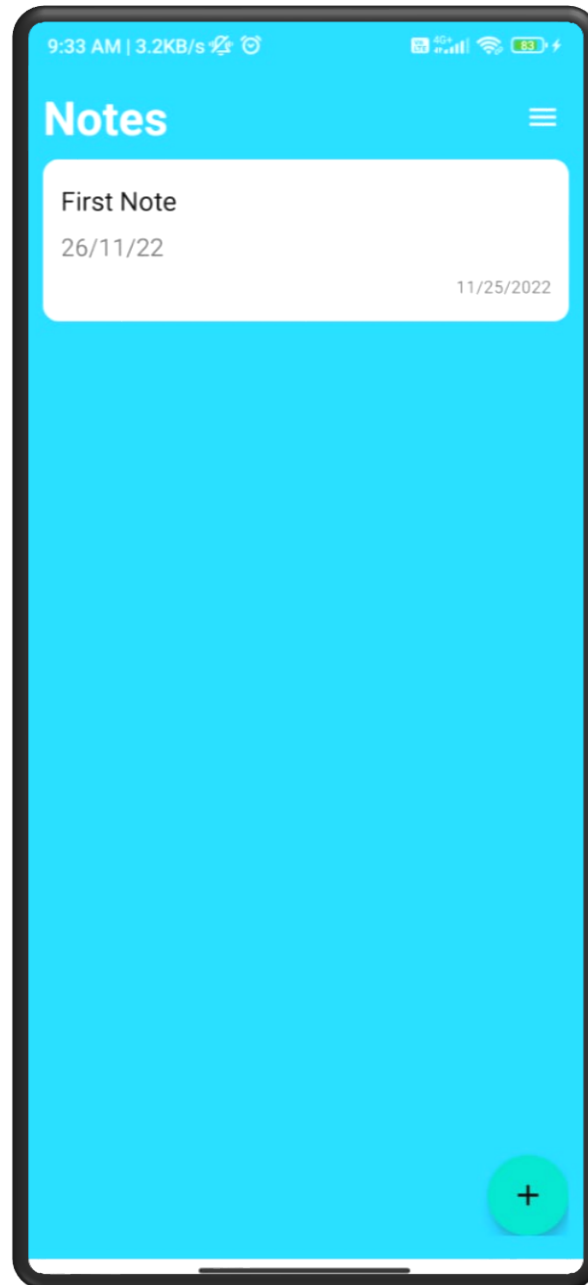
3. Email Verification For New User -



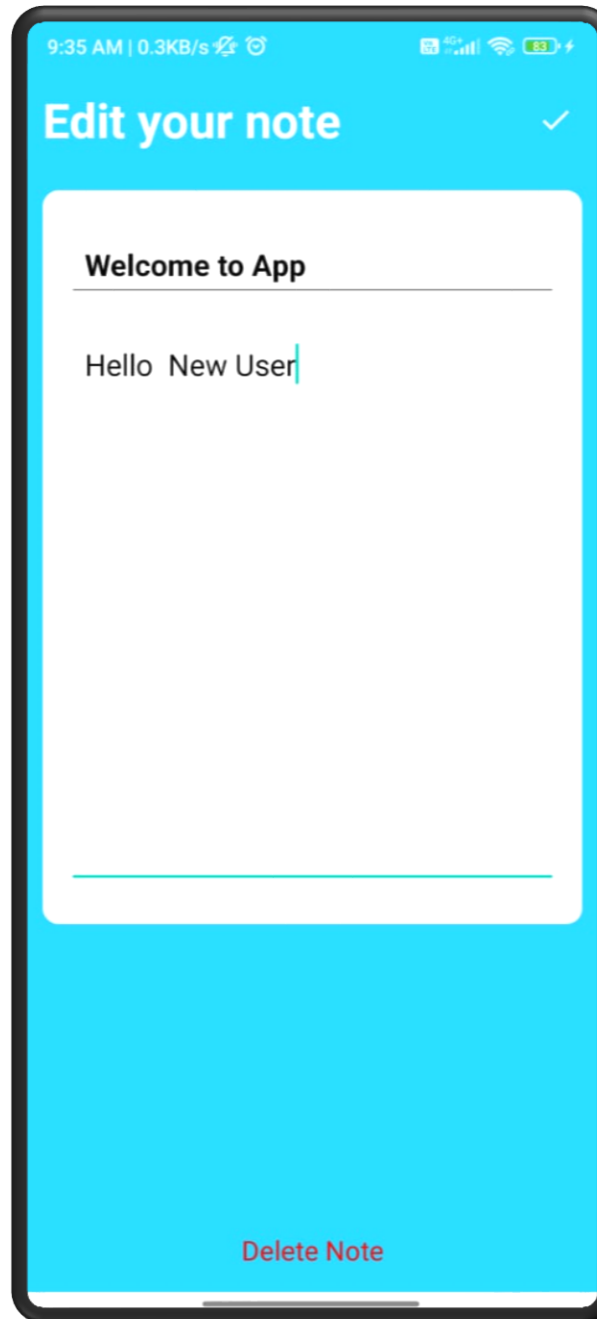
4. Create Note Activity (Add, Update, Delete) -



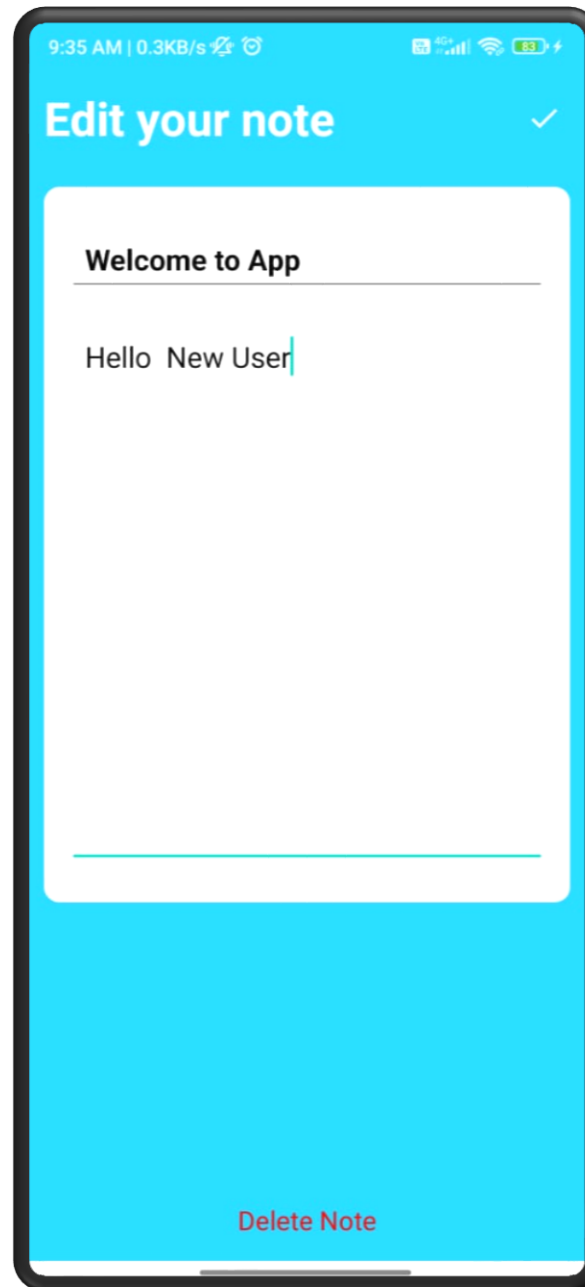
5. Add Notes -



6. Edit existing Note -



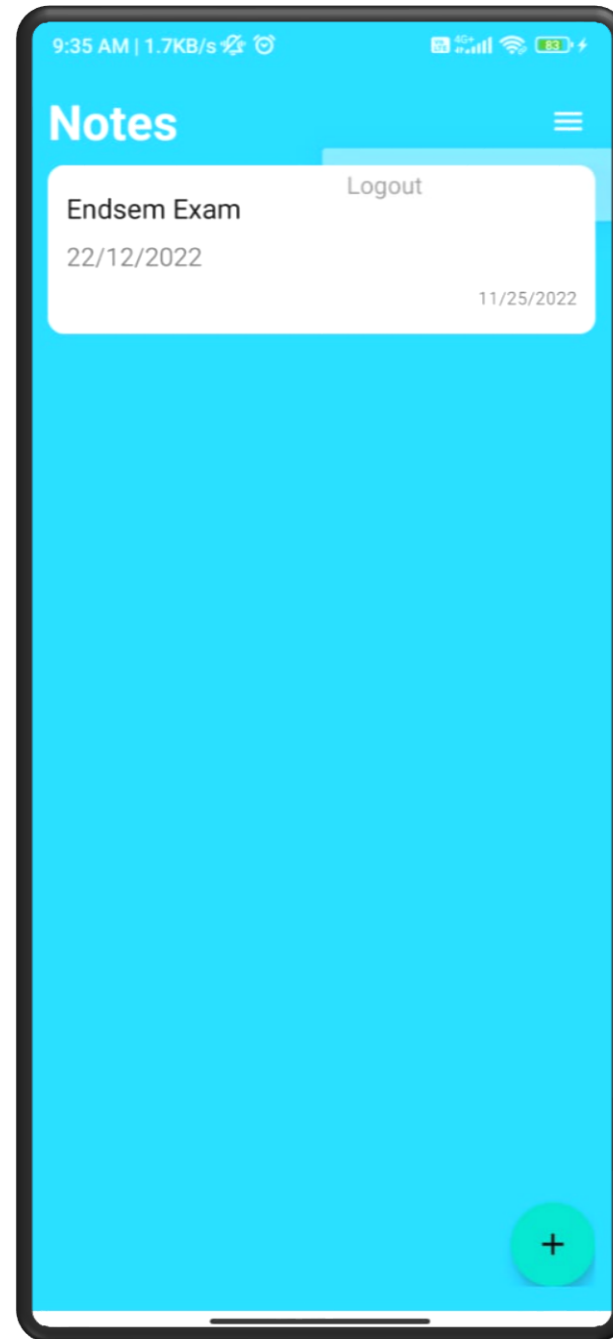
7. Delete Notes -



Delete Option

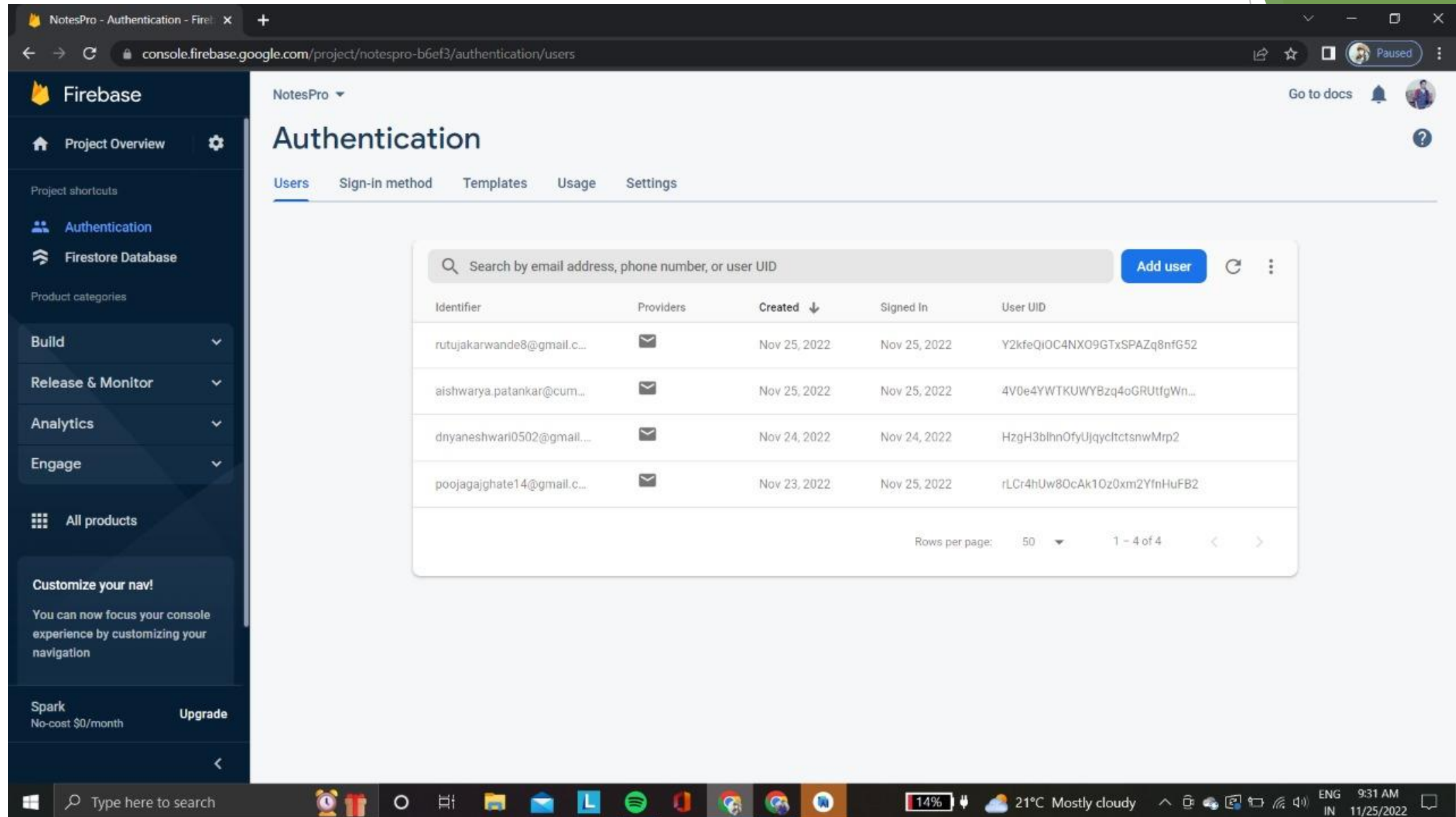


8. Logout Page -



LOGOUT Option

Firestore Data Storage -



The screenshot shows the Firebase Authentication console for a project named 'NotesPro'. The left sidebar contains navigation links for Project Overview, Authentication, and Firestore Database. The main area displays the 'Authentication' page with tabs for Users, Sign-in method, Templates, Usage, and Settings. The 'Users' tab is active, showing a table of users with columns for Identifier, Providers, Created, Signed In, and User UID. There are four users listed, all created on November 23 or 24, 2022. A search bar at the top of the table allows searching by email address, phone number, or user UID. A blue 'Add user' button is located to the right of the search bar. The bottom of the screen shows a Windows taskbar with various application icons and system information.

NotesPro - Authentication - Firel x +

console.firebase.google.com/project/notespro-b6ef3/authentication/users

Paused

Go to docs

NotesPro

Authentication

Users Sign-in method Templates Usage Settings

Search by email address, phone number, or user UID

Add user

Identifier	Providers	Created ↓	Signed In	User UID
rutujakarwande8@gmail.c...	✉	Nov 25, 2022	Nov 25, 2022	Y2kfeQIOc4NX09GTxSPAZq8nfG52
aishwarya.patankar@cum...	✉	Nov 25, 2022	Nov 25, 2022	4V0e4YWTKUWYBzq4oGRUtgWn...
dnyaneshwari0502@gmail...	✉	Nov 24, 2022	Nov 24, 2022	H zgH3blhnOfyUj qycltctsnwMrp2
poojagajghate14@gmail.c...	✉	Nov 23, 2022	Nov 25, 2022	rLCr4hUw80cAk10z0xm2YfnHuFB2

Rows per page: 50 1 - 4 of 4

Customize your nav!

You can now focus your console experience by customizing your navigation

Spark No-cost \$0/month Upgrade

Type here to search

14% 21°C Mostly cloudy ENG IN 9:31 AM 11/25/2022

Firebase Data Storage -

NotesPro - Cloud Firestore - Firel x +

console.firebase.google.com/project/notespro-b6ef3/firestore/data/~2Fnotes~2F4V0e4YWTkUWYBzq4oGRUtgWnVw1

Go to docs

Panel view Query builder

notes > 4V0e4YWTkUW...

More in Google Cloud

notespro-b6ef3	notes	4V0e4YWTkUWYBzq4oGRUtgWnVw1
+ Start collection	+ Add document	+ Start collection
notes	4V0e4YWTkUWYBzq4oGRUtgWnVw1	my_notes
	<p>HgzH3b1hn0fyUjqycltctsnwMrp2</p> <p>Y2kfeQ10C4NX09GTxSPAZq8nfG52</p> <p>rLCr4hUw80cAk10z8xm2YfnHuFB2</p>	+ Add field

This document does not exist, it will not appear in queries or snapshots.

[Learn more](#)

Spark No-cost \$0/month Upgrade

Type here to search

14% 21°C Mostly cloudy ENG IN 9:31 AM 11/25/2022

THANK YOU!