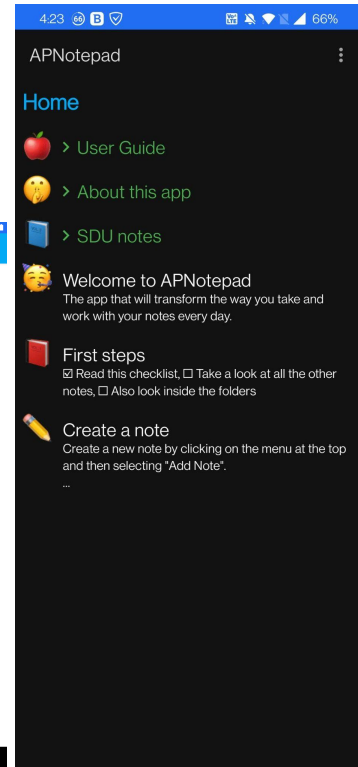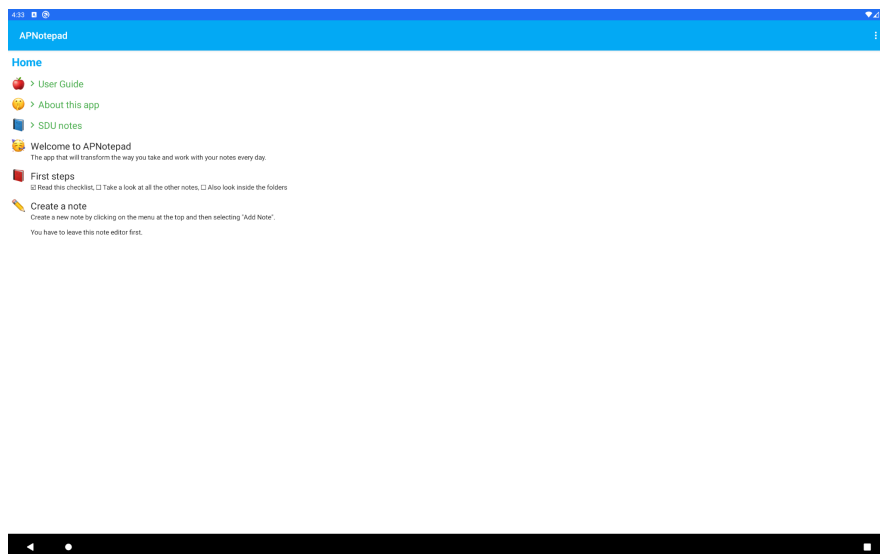**APNotepad - All Purpose Notepad**
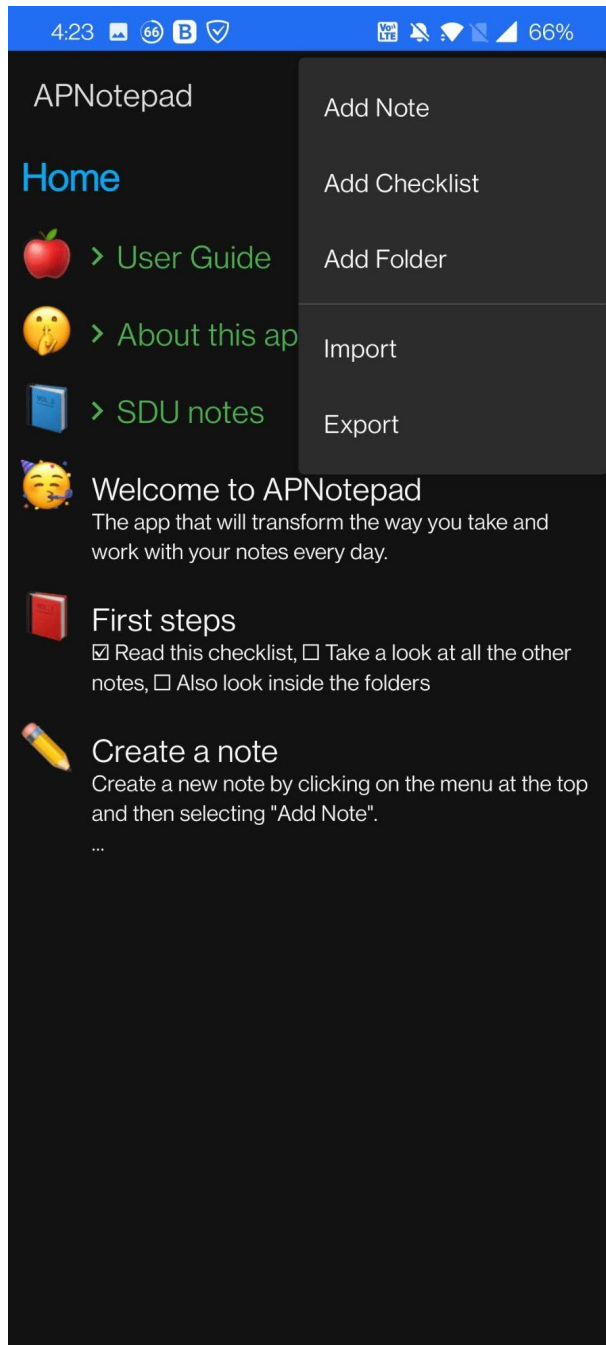
Members:
Etienne Gubler
Tristan Leonhart
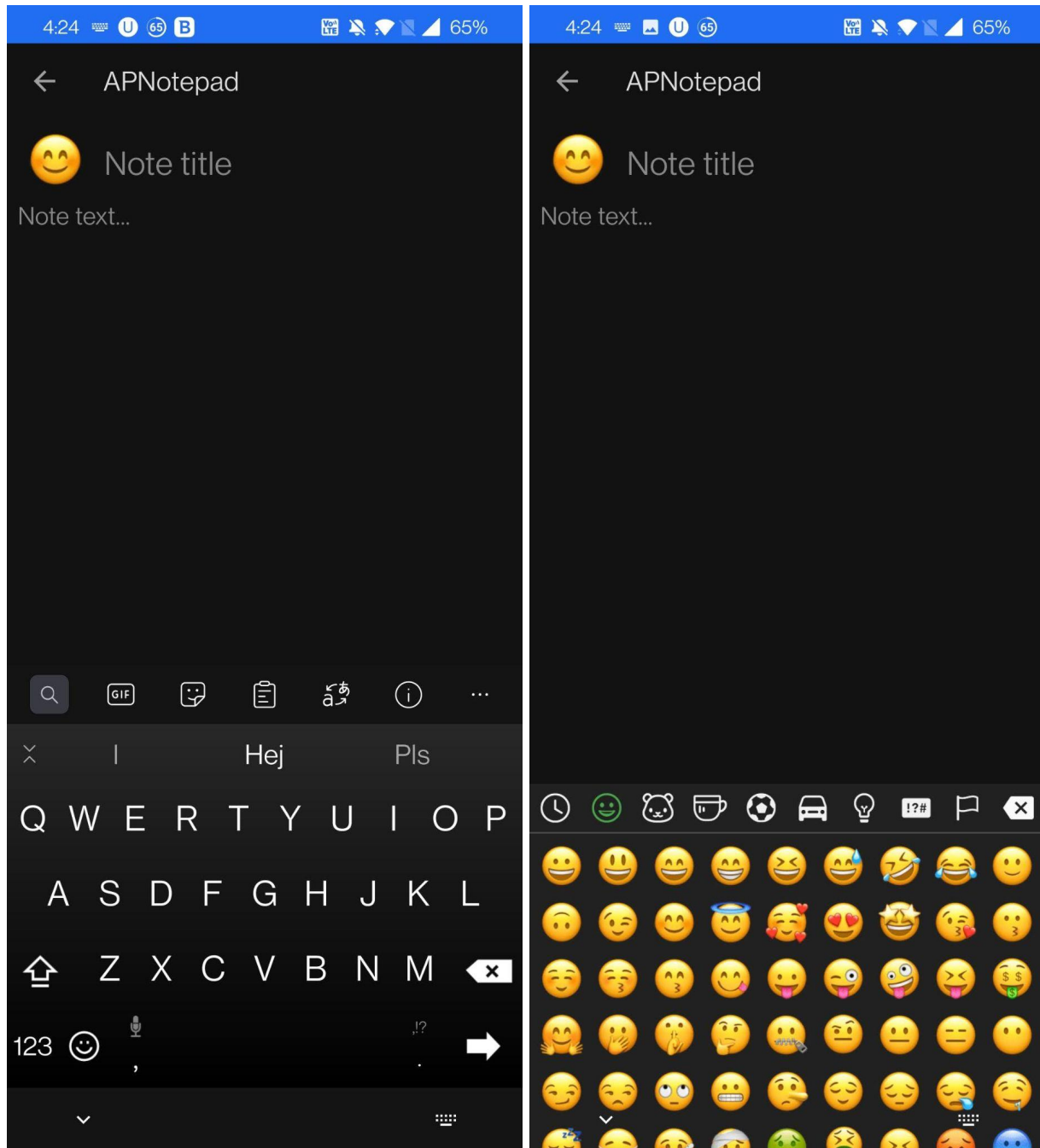William Darmawan

APNotepad is an all purpose note taking app with features such as folder system, checklist notes on top of normal notes with customizable emoji as icons for each folder and notes, and export-import functionality. It has compatibility with various devices with various configurations, from screen size, orientation, and even with the device's theme, whether it is dark or light mode.
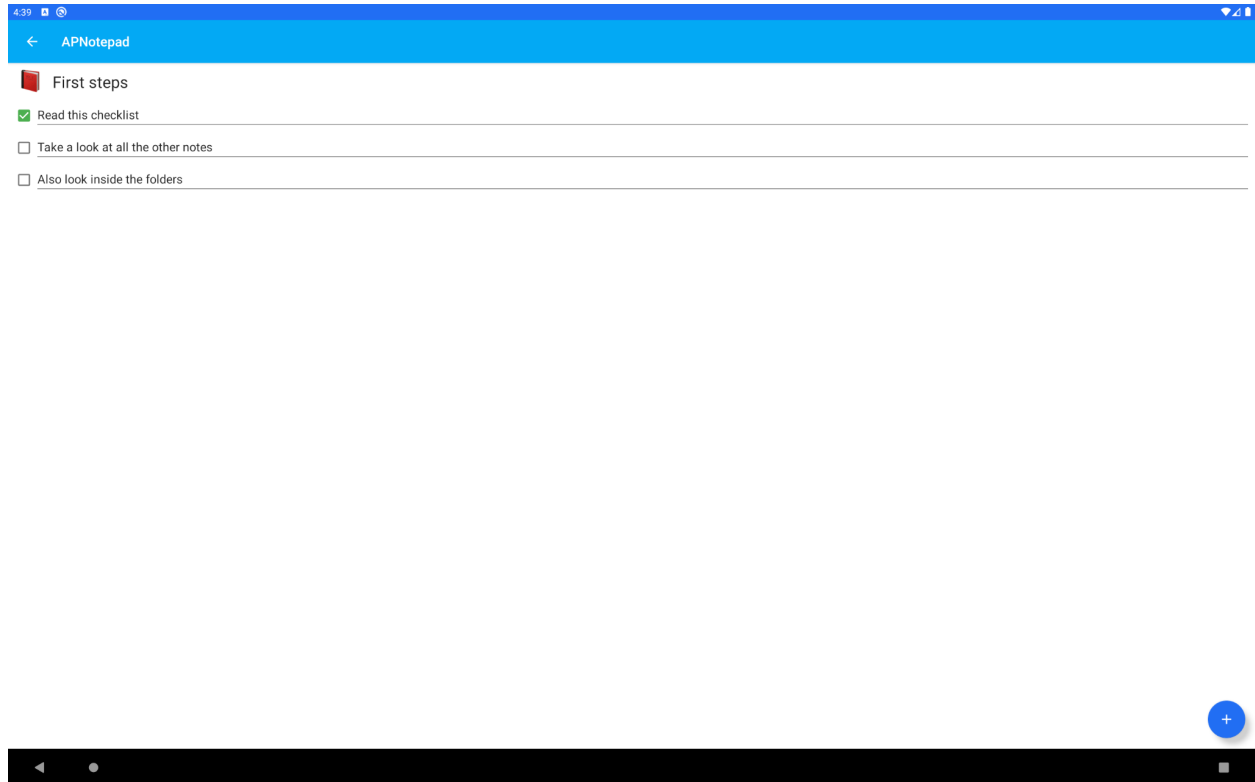
APNotepad's layout would consist of the titlebar and the main viewing part. The titlebar is also home to a menu dropdown represented by three dots on the top right of the screen. When pressed, a list of menu items will show up as follows.
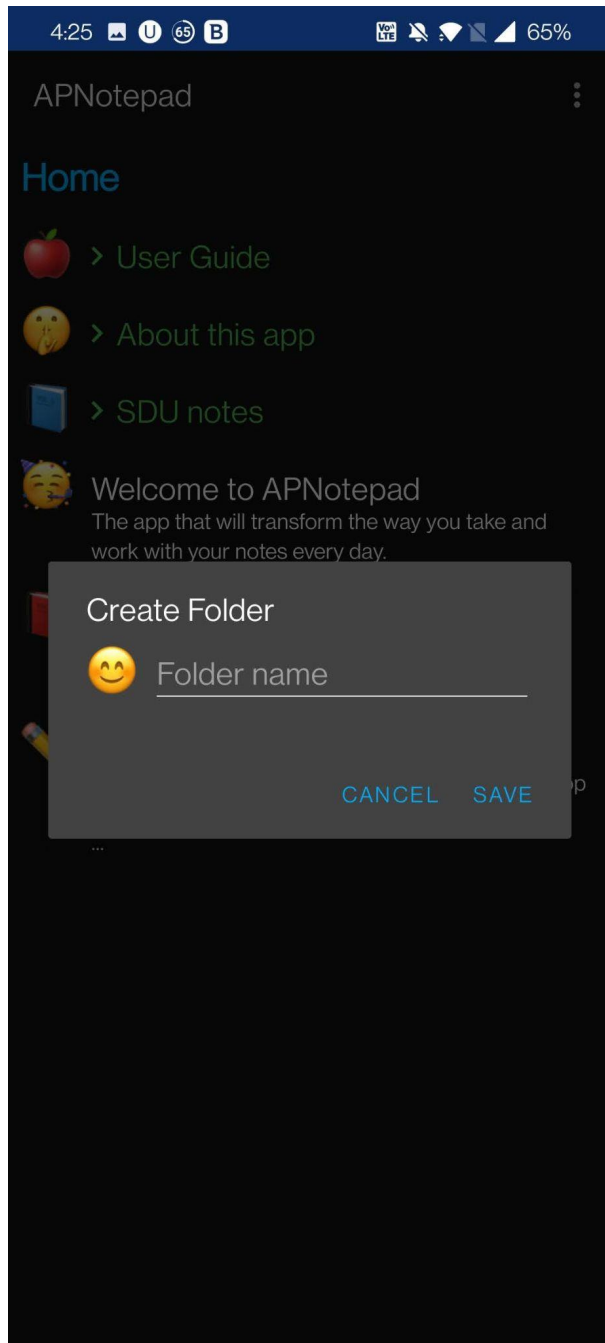

Here users will be able to generate a normal, plain note as well as a checklist note. Users will also be able to create a folder where it could store notes or subfolders. These will be stored to a local database which could be compiled and exported as a backup to all the existing folders and files. The exported backup file could also be imported from this menu dropdown.
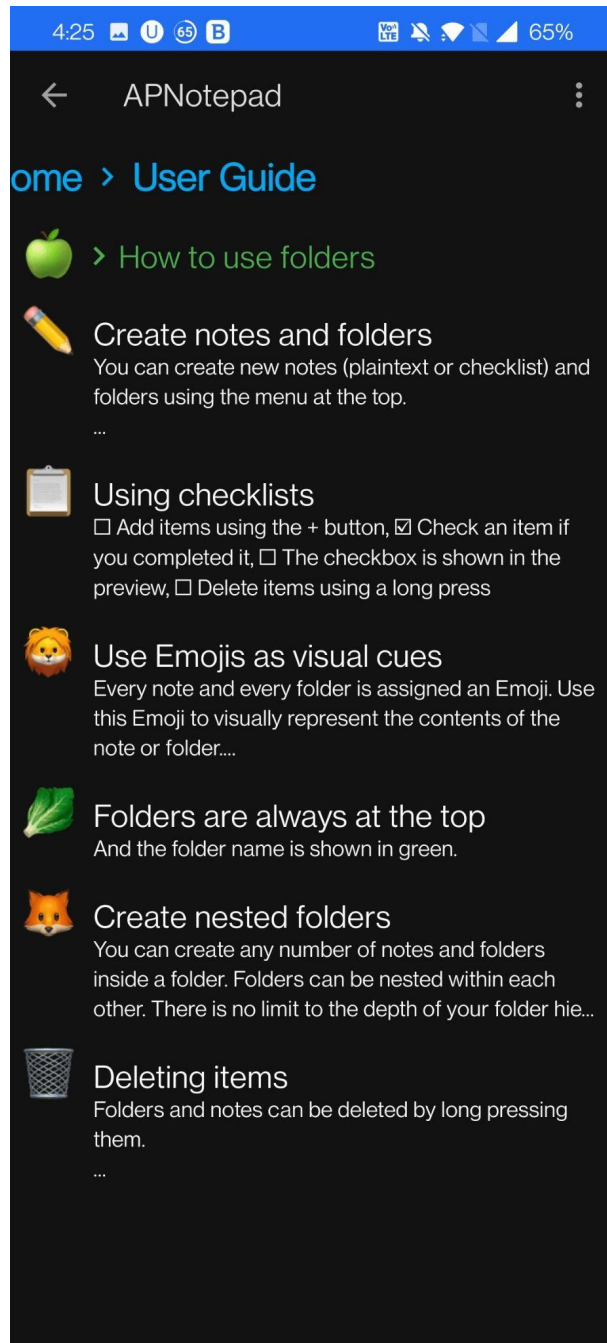
By pressing the "Add Note" option, users would be greeted by this empty note which title, text and emoji could be edited as a part to identify the notes easier. The content would automatically be saved once anything is altered on the screen, whether users returned to the main screen or even cleared the app from recent apps directly after editing anything.

📕 First steps

☑ Read this checklist

☐ Take a look at all the other notes

☐ Also look inside the folders

➕

By pressing the "Add Checklist" option, the app will show an empty list that the user can add to by pressing the "+" button on the bottom right of the screen. Each item can be marked with a tick to show whether it's completed or not. Each item can be deleted by long pressing, which will show a popup message to give the user a chance to confirm the deletion.

"Add folder" option would bring out this popup which would provide users with options to name and customize the folder's icon. The folder would then be created with the provided information on the directory where users pressed the add folder button on.

← APNotepad ⋮

ome › User Guide

🍏 › How to use folders

✏️ Create notes and folders
You can create new notes (plaintext or checklist) and
folders using the menu at the top.
...

📋 Using checklists
☐ Add items using the + button, ☑ Check an item if
you completed it, ☐ The checkbox is shown in the
preview, ☐ Delete items using a long press

🦁 Use Emojis as visual cues
Every note and every folder is assigned an Emoji. Use
this Emoji to visually represent the contents of the
note or folder....

🥬 Folders are always at the top
And the folder name is shown in green.

🦊 Create nested folders
You can create any number of notes and folders
inside a folder. Folders can be nested within each
other. There is no limit to the depth of your folder hie...

🗑 Deleting items
Folders and notes can be deleted by long pressing
them.
...

When users navigated into a folder, a simple directory guide would show up on top of the folder's contents to indicate where users currently are. In a folder, users could add notes, checklists, and folders, which means there could be an unlimited depth of the nested folders.
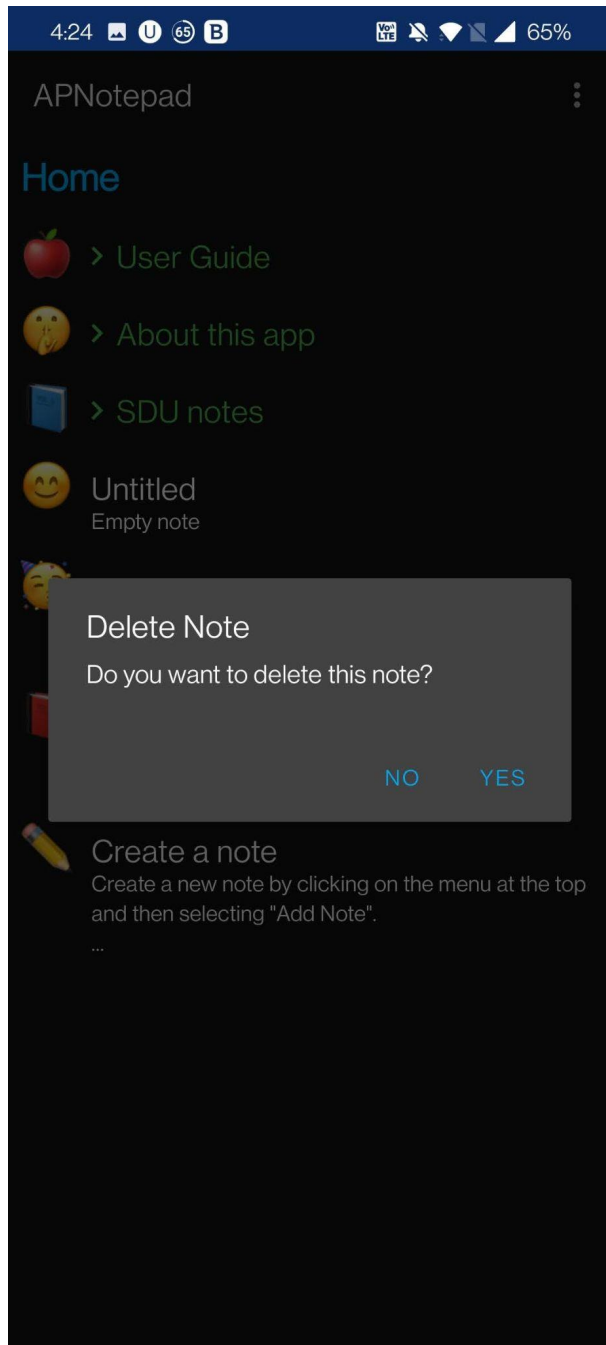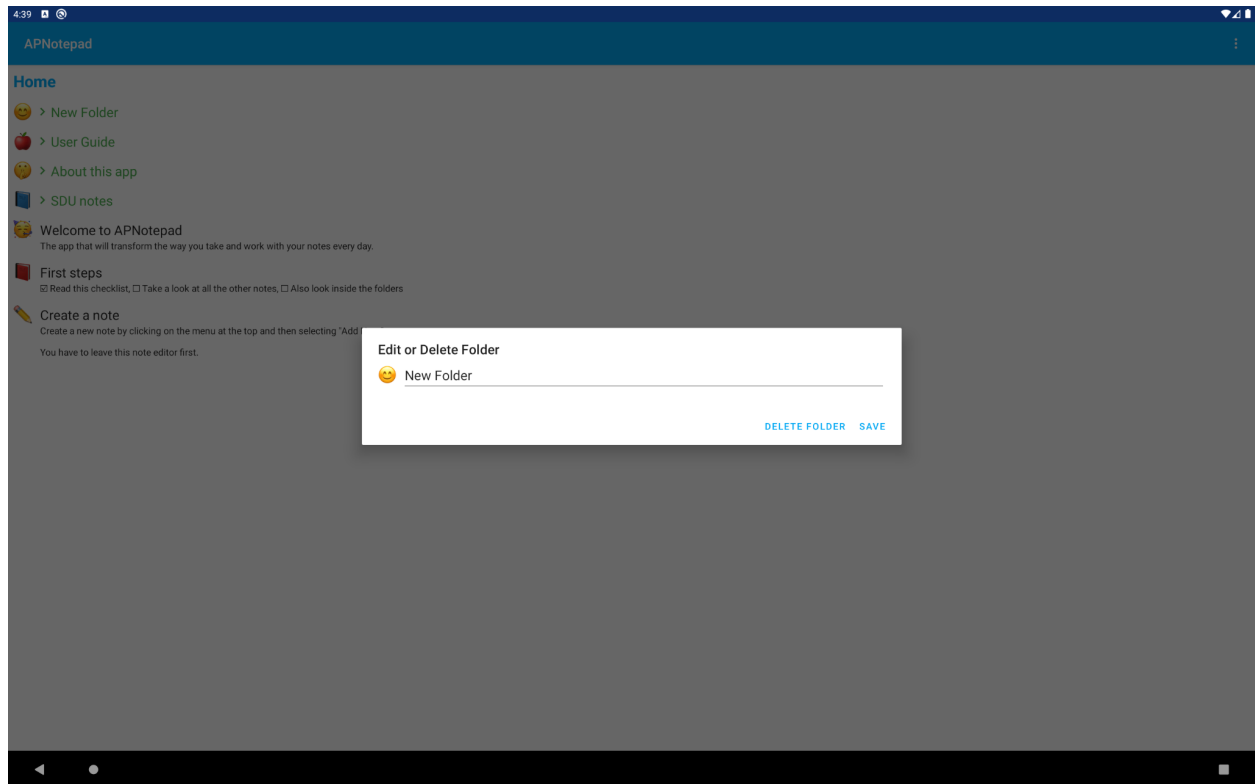
No items to display...

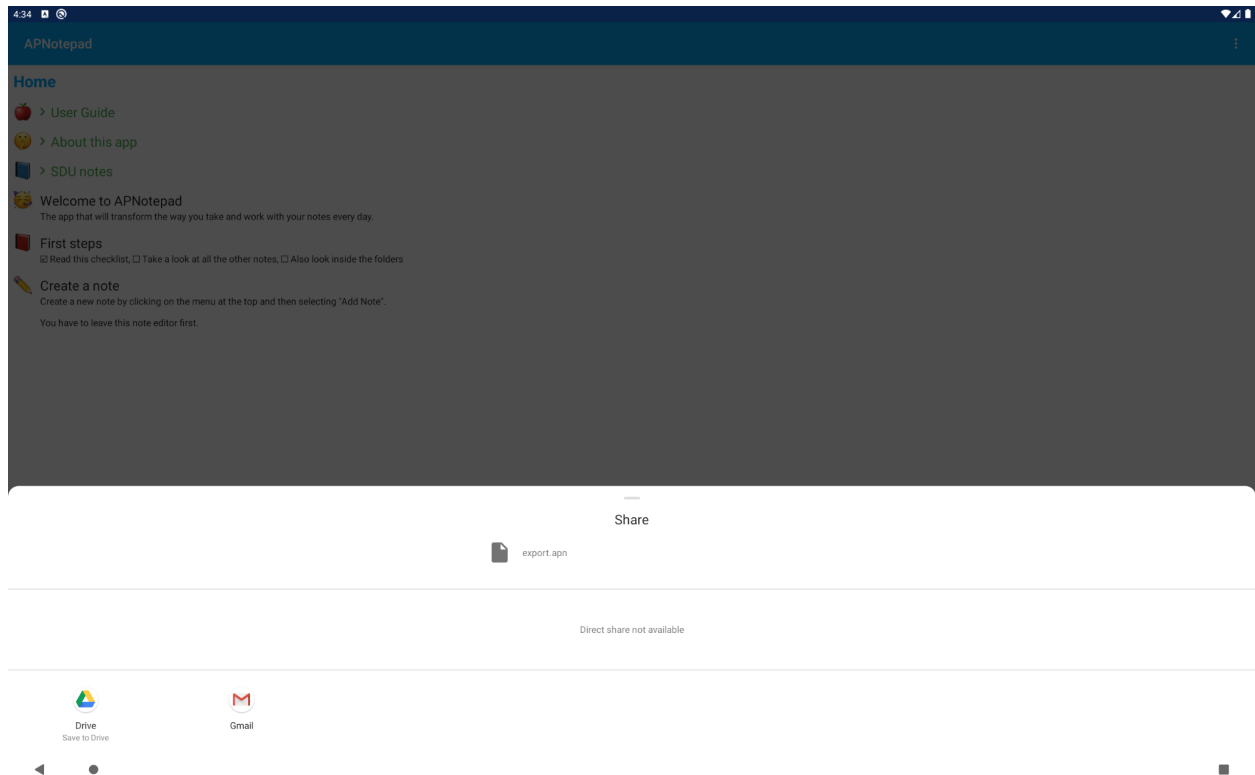Create notes and folders using the menu at the top.

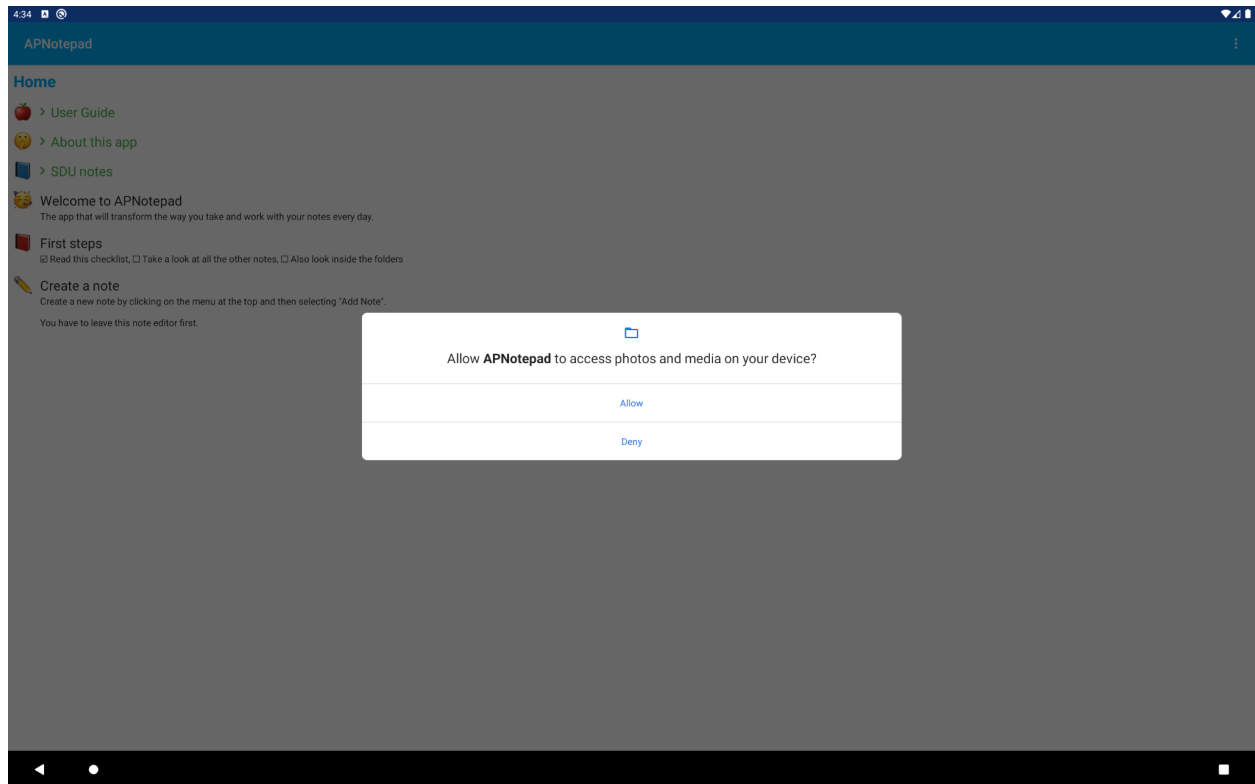After a new folder is created, this would what's displayed when the folder is empty.

Users could delete a note or checklist by long pressing the item which would then prompt them to confirm the deletion.
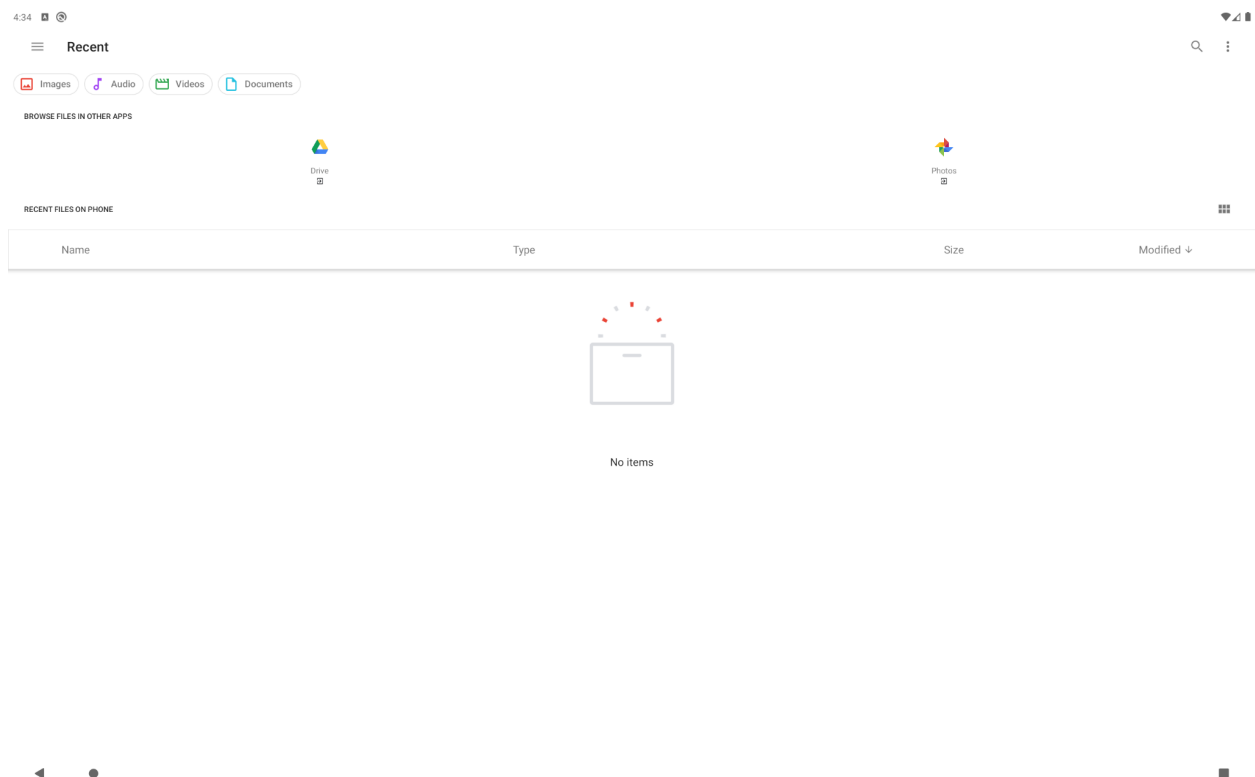
Long pressing a folder will give the user the option to rename the folder, change its emoji icon, or delete the folder entirely. By deleting a folder, all the content inside the folder, whether it is a folder, a note, or everything combined, will be deleted.
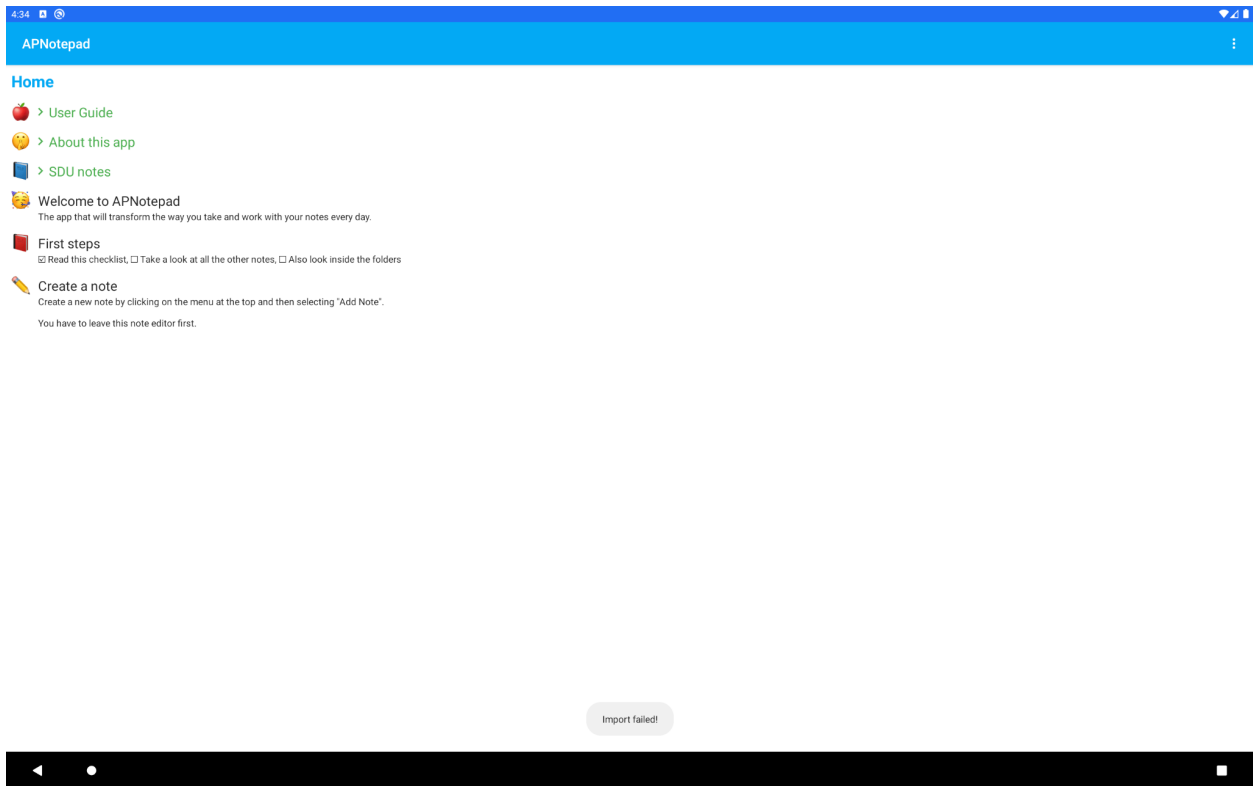
To export the database, the user can press the menu button on the top right and select export. This will give the user an .apn file that can be shared to various applications. While the main purpose of this feature is as a backup of the notes, folders and the directories, the file could also be sent to other users who have this application, where they can import the .apn file and have the same database copy as the sender.

Users could import a set of notes by selecting import from the menu dropdown and selecting the .apn file that was just exported (mentioned above). When importing for the first time, the app would prompt them for permission to access media on their device.

After permitting the app, users could pick the .apn file from their local storage or cloud services such as Google Drive.

If users cancelled the import, or imported an invalid file, an "Import failed" note would show up at the bottom of the screen notifying them that their local database is not altered.