UNIVERSITI MALAYSIA TERENGGANU

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**CSM3114**
**FRAMEWORK BASED MOBILE APPLICATION DEVELOPMENT**
**PROJECT 1**
**NOTE-TAKING TOOL APP**

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**Executive Summary**

The Note-Taking Tool App is an intuitive mobile application that was created to meet the unique requirements of the university community. It helps teachers and students stay organized and keep track of daily tasks and assignments. With an emphasis on key features and an intuitive design, the app is a useful tool for improving information management and productivity.
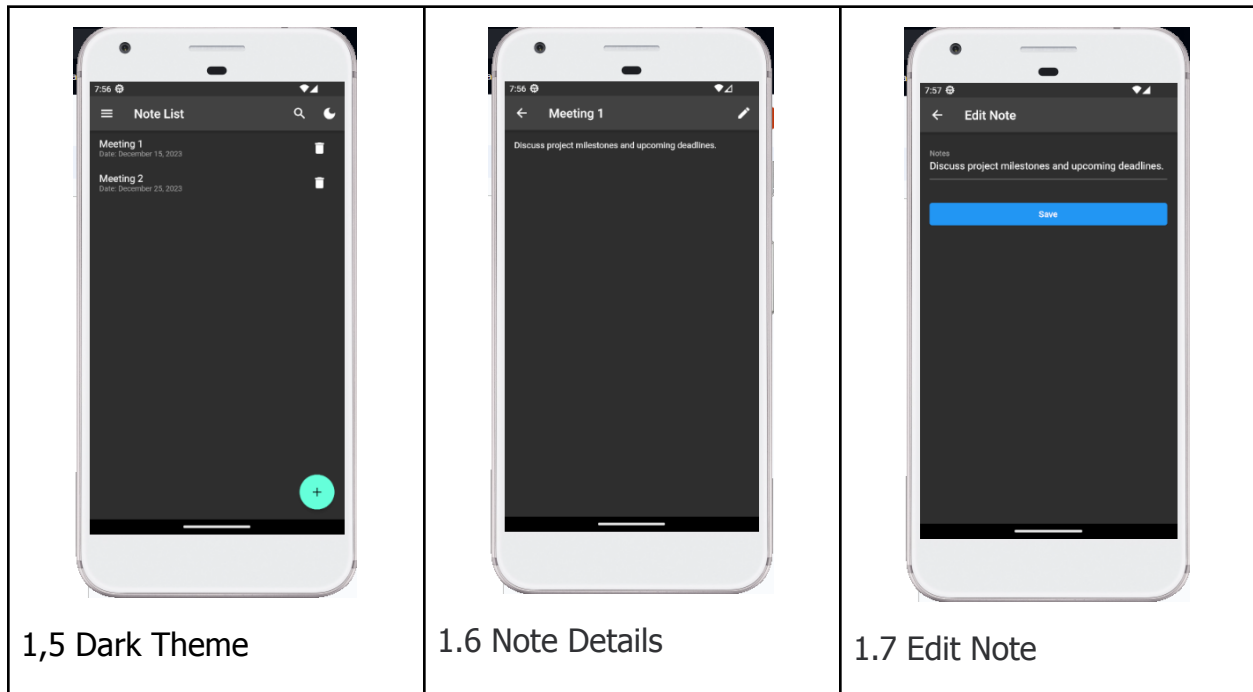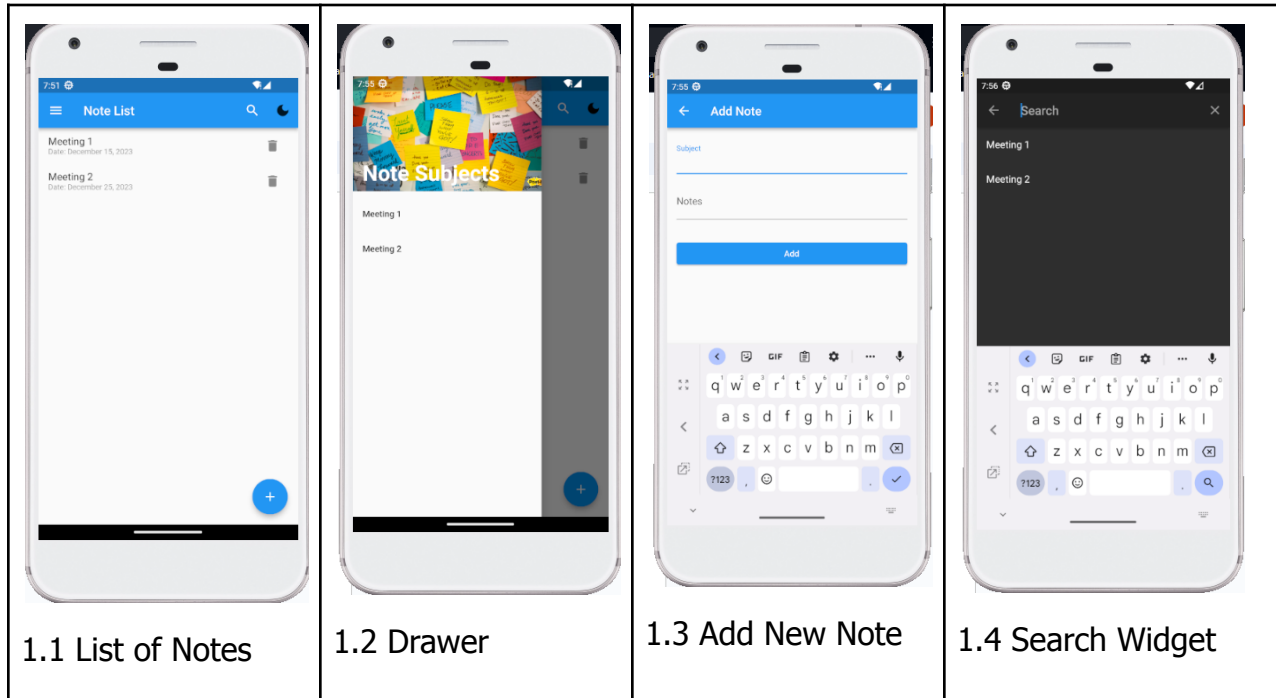
Features:

- **Theme Customization**: Light and dark themes allow users to tailor their app experience to suit a variety of settings and tastes.
- **Search and Retrieval**: Strong search capabilities improve accessibility by allowing notes to be quickly retrieved based on subjects.
- **User-Friendly Interface**: The software has an intuitive and simple-to-use interface that encourages staff, instructors, and students to adopt it widely.
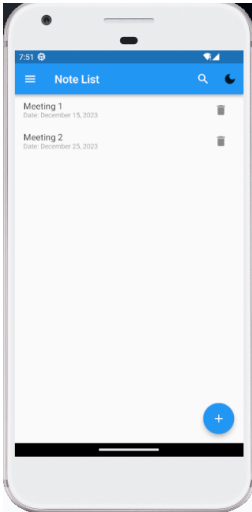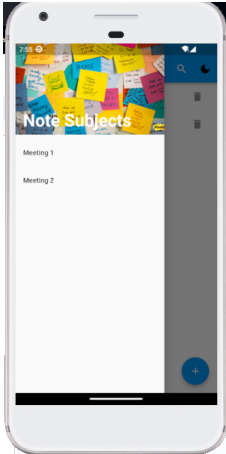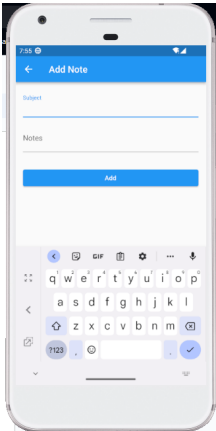
Highlights of the Workflow:

- **Easy Note Creation**: The process of gathering and organizing information is streamlined for users by allowing them to create and organize notes with ease.
- **Dynamic Theme Switching**: This feature enables users to customize the app's appearance to suit their tastes and ambient lighting.
- **Date-Stamped Entries**: All notes are automatically time-stamped, giving users a clear record of their assignments and academic entries.

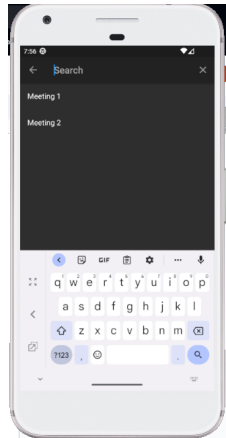To summarize, the Note-Taking Tool App is a flexible and essential tool designed specifically to meet the demands of university life. Whether it is handling assignments or planning activities, the app seeks to greatly increase the efficiency and productivity of the university community.
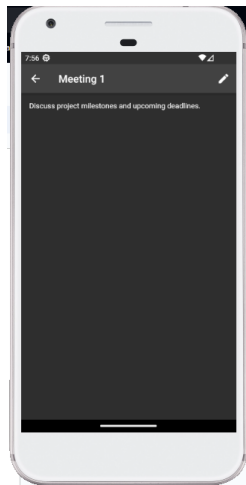
# Prototype Design



1.1 List of Notes

1.2 Drawer

1.3 Add New Note

1.4 Search Widget

1,5 Dark Theme

1.6 Note Details

1.7 Edit Note

**UI for the Application**

| | |
|---|---|
|  | This is the List Page where users can see the list of notes they made with icon delete on the right side. There is also a date stated under the Note subject which shows the date of the note creation. This date will be changed to current date when the user edit the notes |
|  | Drawer shows List of Note's Subject without date. Users can access the details of the note by clicking on the notes' subject. |
|  | This is where users create new notes. Users can enter the Note Subject and enter the details. After clicking the add button, the data will be shown in the List like at the first UI above with the current date and delete icon. |

| | |
|---|---|
|  | This is when users click the search icon at the top of the List page. Users will be able to search their notes by their subject's name. List of files will be shown and filtered when the keywords are inserted. |
|  | This shows the details page of the notes. Users will see their subject's name on top of the screen and their note details below. There is also an edit icon on top which will page to the next UI. |
|  | This is where users can edit their existing note details either deleting or adding more notes. After clicking the save button, the notes that have been changed will be updated and when the users clicked on the subjects, it will only display the updated note details. |
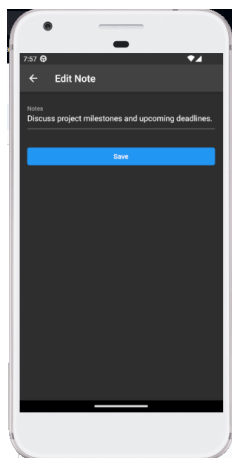
**Potential commercial and pricing of prototype**

A note-taking tool app's possible business features could be:

- Offer a variety of subscription packages with differing features and storage sizes. Premium plans are available to users who need more storage space or advanced features.
- Cloud Storage Integration: Provide extra storage space as part of premium plans and integrate with well-known cloud storage providers. Extended cloud storage for users' notes can be purchased.
- Collaboration and Team Plans: Offer premium plans with improved collaboration tools, real-time editing, and team communication features to monetize the introduction of collaboration features for teams or groups.
- Premium features should include offline access and syncing capabilities. The ease of accessing notes without an internet connection is a paid service.

The pricing for the app can range probably up to RM20,000 if many implementations have been made. It will have a lot of widgets that can help the university community to ease their daily lives and tasks.

**Lesson learned**

The creation of the Note-Taking Tool app has brought attention to the value of a user-centric strategy and the critical need of identifying and satisfying the specific needs of the intended audience. In order to adjust to changing requirements and guarantee ongoing improvement based on user feedback, iterative development processes have proven essential. A freemium model and strategic pricing were successfully implemented, demonstrating the careful balance needed to entice users with free offerings while monetizing advanced functionalities. In order to create an application that is both user-friendly and sustainable, it became clear that customization preferences, and a commitment to continuous improvement were essential.

**Conclusion**

To sum up, the process of developing the note-taking tool app has demonstrated how crucial iterative development and user-centric design are. The necessity of striking a balance between user acquisition and long-term revenue generation was highlighted by the effective adoption of a freemium model and strategic pricing. Furthermore, community involvement, customization possibilities, and a dedication to ongoing development were found to be essential components of an effective and user-friendly application. These lessons will act as a foundation for the app's future development, helping to ensure that it continues to be relevant and enjoyable for users amidst the ever-changing app development industry.

**Reference**

1. *theme_provider | Flutter Package*. (n.d.-b). Dart Packages.
   https://pub.dev/packages/theme_provider

2. GeeksforGeeks. (2022, May 9). *Flutter Search Bar*.
   https://www.geeksforgeeks.org/flutter-search-bar/

Github link

[https://github.com/maziahmuhassanah/Note-Taking-Tool](https://github.com/maziahmuhassanah/Note-Taking-Tool)