Mobile Application Development: Lab 4

SOFE 4640U

Professor: Dr. Akramul Azim
Lab Instructor: Austin Page

Lab objective: Create a basic version of the NoteMe application using Flutter/Dart.

Group/Individual submission: Individual submission

Lab grades: 10

Lab tasks: Similar to the previous labs, the goal is to implement a note-taking application, but this time using Flutter/Dart. The app must include the following requirements:

- Home Screen
- New Note Screen
- App Bar (Both screens)
- Floating Action Button (Home Screen)
- Show Notes on Home Screen
- Customized UI

Requirements:

- **Home Screen**
    - When the User lands on the home screen, they should see a list of their notes from that session (in state), otherwise show the message "No notes here."
- **New Note Screen**
    - Include Title and Description input boxes along with a Submit/Save button
    - Allow User to navigate back to the Home Screen by clicking a back arrow in the App Bar
    - Navigate the User back to the Home Screen upon clicking the Submit/Save button, and store the newly created note in state
    - Saving without filling in both fields should show an error message and not return the user to the Home Screen
- **Styling**
    - Include some unique styling that is different from what is provided by default (also make it different from examples shown in the Lab, in this document, or on Canvas). This can include styling like:
        - Change theme (colours)
        - Add and use new font
        - Use a background image

Rubric points:

	Functionalities	Sub functionalities	Marks
Home Screen	View notes and navigate to new note screen	Home Screen UI is completed including a Floating Action Button, text for when there are no notes, and an App Bar	2
		Clicking the Floating Action Button will navigate the User to the New Note Screen	2
Note screen	Add new note to state	New Note Screen UI is completed including inputs for Title and Description, a Save/Submit button, an App Bar, and a pop-up message for handing blank inputs	1
		Functionality is correct (saving takes user back home and shows the notes in state, back arrow on App Bar takes user back home and cancels the note)	3
Styling	Implement some unique and custom styling	Make changes to the default styling for the App Bar, buttons, font, etc.	1