

Mobile Application: Lab 1

SOFE4640U

Professor: Dr. Akramul Azim



Lab objective: Create an android app named “NoteMe” to write text and multimedia notes.

Group/Individual submission: Group submission

Tutorial grades: 10

Lab tasks:

Install Android studio in your machine and create a new android app project with name “NoteMe”. This lab will focus on creating a GUI of android app. Create an app which follows the requirements as mentioned below.

Requirements:

- NoteMe app should have two screens named: “home” screen and “new note” screen.
- **Home screen:**
 - Create a header of App Name
 - Create search box to search notes – Type hint in the search box
 - Create “add note” icon
- **New Note screen:**
 - Title of a note – add hint to text box
 - Subtitle of a note– add hint to text box
 - Text area to type notes– add hint to text box
 - Done – button or an icon to save the note (save note functionality will be added in next lab, for now add a button)
 - Back button – in case if user wants to discard changes and come back to home screen without creating note (User should navigate to home screen on click of back button)
- **Functionalities:**
 - Create GUI with specification mentioned in above steps
 - Add code to go back to home screen upon clicking “Done” button in “New Note” page
 - Add code to go back to home screen on click of “Back” button/icon in “New Note” page
 - Add code to open “New Note” page upon click of “add note” icon from “home” screen

Rubric points:

Screen	Functionalities	Marks	Marks distribution	
Home Screen	Create App Name header on top	4	1	
	Create search box to search/filter notes, Type hint in the search box		1	
	Create “add note” icon		1	
	Code to open “add note” page on click of “add note” icon		1	
New Note screen	Create title, subtitle, text area of a note, Type hint in the text box	6	2	
	Add “Done” button to go back to home screen. Add code to go back to home screen upon clicking done button in “New Note” page		2	We are not saving notes now, we will do that in next lab
	Add “Back” button to go back to home screen – by discarding the changes. Add code to go back to home screen on click of “back” button/icon in “New Note” page		2	

Tips:

- This lab will only generate GUI of an App. We will keep adding features in this application in future labs.
- Refer “Google material design” to get design ideas for the app: [Documentation](#)
 - You can add shadows and elevations to differentiate two UI components
 - Choose color theme of App wisely
 - Refer “Google Keep” app for design ideas
- Refer rubric points to get an idea of evaluation for this lab
- Focus on generating intuitive UI for the app, as you will continue working to this app throughout all labs in this course.
- Try to create a logo for the app and assign it to get the unique logo on home screen - optional