



Faculty of Engineering and Applied Science

Course:	SOFE4640U: Mobile Application Development
Assignment:	#2
Topic:	Basic Android
Due date	Nov. 6, 2024 11:59 pm

Note: This assignment is meant to be completed individually

Objectives:

Practice Android application development with databases.

Instructions:

Create a LocationFinder app for the following instructions:

1. Create a local or cloud database and a location table with four columns (id, address, latitude, longitude) with 100 locations of Greater Toronto Area (e.g., Oshawa, Ajax, Pickering, Scarborough, Downtown Toronto, Mississauga, Brampton, Markham)
2. A query feature in the app to display latitude and longitude for a given address (if found in the database)
3. An add, delete, and update feature in the app to add, delete, or update entries into the location table

General Guidelines

In the courses' lectures, we have discussed many best practices for developing mobile apps, as well as best practices for the Android platform. Part of your mark will be allocated based on how well you adhere to those best practices. Other best practices you should be following include proper variable/method naming, and reasonably documented code. This means you don't need to document every line of code, but some of the high-level functionality.

Assignment Submission

You can use a GitHub account to upload your project. Submit a zip file in canvas containing the following:

- 1) Folder containing the app source code
- 2) A maximum two-page report explaining how databases are used and please provide the GitHub reference in the report.

Rubric

When marking, the TA will use the following rubric:

Report	3
The app reflects the assignment's main idea	3.5
Functionality	3.5
<i>Total</i>	<i>10</i>