**Lab Assignment #6**

Purpose: The purpose of this lab assignment is to:

1. Build native UIs of Android Apps using Jetpack Compose

References: Textbook, ppt slides and Android tutorials (https://developer.android.com/jetpack/compose/tutorial, <https://developer.android.com/jetpack/compose/lists>, https://github.com/android/compose-samples). This material provides the necessary information that you need to complete the exercises.

**Exercise 1**

Write an Android app that allows a student to select the program from a list of Software programs and then display the list of SEM4 courses for the chosen program.

If the student clicks on a course, the app should allow the user to see the course description for that course.

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Provide a friendly and nice UI. Use proper Jetpack Compose elements for displaying the list of programs and courses of SEM4. Use nice layouts by arranging elements in a friendly way.

(10 marks)

**Evaluation:**

|  |  |
| --- | --- |
| **Item** | **Percentage of total mark** |
| **Functionality**:   * **Correct implementation of activities**   + Class code for main activity and other activities (or fragments)   + UI with Jetpack Compose   + Resources in XML (list of programs, SEM4 courses, etc.) * **Correct implementation of Event Handlers**    + Handling click event for clickable items in lists   + Other events in this app | 50%  35% |
| **Friendliness**:   * Alignments of UI elements * Friendly I/O | 10% |
| Comments, correct naming of variables, methods, classes, etc. | 5% |
| **Total** | 100% |

You must name your Android Studio project according to the following rule:

**yourfullname\_COMP304Labnumber\_Exercisenumber**.

Example: **johnsmith\_COMP304Lab5\_Ex1**

**Submission rules:**

Submit your projects as **zip files** that are named according to the following rule:

**yourfullname\_COMP304Labnumber\_Exercisenumber.zip**

Example: **johnsmith\_COMP304Lab5\_Ex1.zip**

**Use Android Studio Export to zip feature to zip your projects.**