Lappeenrannan teknillinen yliopisto

School of Business and Management

Software Development Skills

Kim Yukyeong, x080298

Learning period: Spring 2021 (7.5.2021-6.7.2021)

**LEARNING DIARY**

Module Introduction 2

Module Core Elements 4

Module Lists, Layouts, and Images 8

***Part 1. Introduction***

7.5.2021 (Friday)  
this is the very first day of this course.

I read instruction in Moodle course page.

Course overview

General course information

Environment setup

Android mobile development…

I watched first video clip.

I created a public repository in GitHub for this course.

Link: https://github.com/saugkim/Android2021\_LUT

There are several commits made (add gitignore and diary and so on…) today.

I am not expert in git, but I am not beginner either, so I skip reporting git commits.

Work environments for this course:

- The git, and visual studio code, Android studio are installed already in my computer.

- I am using GitHub, so I decided to use it to complete this course rather than create a new bitbucket account.

9.5.2021 (Sunday, Mother’s Day)

I have done **My First App** following the video.

1. I learned how to set up Android Studio project, just simple steps (nothing new).

2. I learned how to use Android Studio to make a simple app (My First App).

- tip: check *optimize imports on the fly* and *add unambiguous imports on the fly* in Editor settings to make import easier for beginner, appearance size unit of “sp” is screen independent pixel

- how to create screen objects (button, text edit field, text view) in activity\_main.xml window and give them proper position, id, and types and so on.

- how to create java objects in MainActivity.java and connect them to the screen objects and set click event listener when event happens (button pressed).

3. I learned how to debug the codes and how to run the app using emulator.

Debugging

- how to set breakpoint in code, just click left side of the line where to go through

- how to debug app (shortcut shift+F9)

- how to go to through them (Step over, Step into, Step out)

Running App

- in menu, Run ‘app’ (shift + F10) and select virtual device (set up at first)

- it takes time

***Part 2. Core Elements***