Lappeenrannan teknillinen yliopisto

LUT School of Engineering Science

Software Development Skills Front-End, Online course

ROOPE MYLLER 389129

LEARNING DIARY, Software Development Skills: Mobile 2022-23

Date : 11.5.2023

Activity : Video 1 Android Studio for Beginners Part 1

Learning outcome:

Today I started this course. First, I checked the moodle pages for any general information. After that I started the first video. I didn’t have to setup Android Studio because I already had it from the OOP course. I learned how to setup the new app and then I learned some basic things about Android Studio. It wasn’t really anything new because I used Android Studio in the OOP course a lot. But something new that I learned is how to use the debug tool in Android Studio 🡪 how to set a breakout point, how it works and how the debugger and its functionality.

Date : 27.5.2023

Activity : Video 2 Android Studio for Beginners Part 2

Learning outcome:

Today I learned more about the core elements of android development. I learned how to create new activities using intents. I also learned how to open a web address with intent. I also learned how to pass values to new intents using extras.

Date : 27.5.2023

Activity : Video 3 Android Studio for Beginners Part 3

Learning outcome:

Today I learned how to use the listview and how to make different layouts for the listview items. Also learned a lot about how to incorporate images with imageview and how to resize/scale them.

Date 24.6.2023

Activity: Started the project

Learning outcome:

After a long pause with this course and a lot of thinking about what I should make as a project. I came up with a simple Todo list app. Started brainstorming ideas about the app and created the ‘Todo list item’ class and simple ‘storage’ class.

Date 25.6.2023

Activity: Continued the project

Learning outcome: Continued with the project. Created the list layout file with RecyclerView and created the necessary holder and adapter classes for the RecyclerView. Also created ‘+’ button for creating the task in separate activity.

Date 1.7.2023

Activity: Continued the project

Learning outcome: Decided to get rid of the Recycler View and create the list with listview. 🡪 no need for holder class only adapter. Got to revisit the Video3 things which were helpful. Created the possibility to edit and remove tasks but had some problems with the arraylist in finding the right item to edit/remove.

Date 5.7.2023

Activity: Almost finished the project + creating the repository and pushing the coursework online

Learning outcome: Found out the problem to the right item from the storages arraylist and got the editing/removing to work. It uses id’s and the arraylist indexes. So, when one item gets removed it doesn’t work anymore so just did simple for loop for the items to redefine the ids. Computationally not the best solution but I don’t think that anybody would have +10000 tasks. So now the project is ready it just needs some fine tuning. Also created the github repository and pushed the coursework to the repo.

Date 6.7.2023

Activity: Finished the project + submitted repository for grading.

Learning outcome: Some fine tuning with the project to make it more usable. Nothing major. Pushing the project + this diary to the git repo and then submitting the repo for grading.