Lappeenrannan teknillinen yliopisto

School of Business and Management

Software Development Skills

Siiri Kalliovaara, 2205166 Turku AMK

LEARNING DIARY, Mobile MODULE

**LEARNING DIARY**

24.10.2024  
  
I started the course and downloaded git. Even though I have used it before I decided to recap how it is working and watched the video and got a good understanding how it is working and what I am demanded on this course.

26.10.2024

I downloaded Android studio and got familiar with the course structure. I also familiarized myself with GitHub a little more. I noticed that the video has an older version of Android studio so sometimes I need to do some research to keep up with video and also my activity\_main.xml file wasn’t visible, so I had to make it on my own. I learned how to change Linear layout to Constraint layout, to make it match the video and it to be better and easier to use.

I learned how to make simple app, how to make changes to the layout, how to name them and add more of them. I was able to add some logic behind it with Kotlin, which was a little challenging because the guide video used java, but I succeeded in the end.

29.10.2024

When starting the second part of the course I realized what I did differently according to the video, but I decided to do the second part also with Kotlin because it is used more and newer.

This time I did the activity\_main.xml file differently than before so I got automatically the constraint layout style, and I didn’t have to do it separately. Had problems changing Java to Kotlin and couldn’t add Second activity properly. Things that I did in the first part of the course were now easier and quicker to do.

1.11.2024

I had to start the project again several times. First time I had made a spelling mistake quite in the early part which turned out really challenging to correct so I made a new project but the versions of build in setting were somehow wrong so it didn’t even open the emulator, but in the third time I changed for better setting and got it working and made the project again, which was a little easier because I had gone quite far the first time before noticing the problem. It was a little hard to change the java to Kotlin this time, but I managed and got it working, I learned a lot about settings and the visualization because I had this time too problems to get the ActionBar showing. Everything else worked well but I was unable to get the resolveActivity to function that would verify that there is something to check.

4.11.2024

I was able to add a list view to the app and make it show the prices and descriptions well. I also managed to add pictures to be shown when you click specific item on the list. This time I didn’t come across any big issues and it was quite easy and fun to make. I remembered the previous issues I had and remember how I had solved them earlier, so now I got quickly onwards. It was interesting to see how the image needs specific code for making it fit frame properly. It was also interesting to make the item list view look good and be quite linear looking.

18.11.2024

I started my project work. I decided to combine most of the things I have learned to do and maybe try to add some new features too. I planned on making one button for Google and another for a movie list that would show the title, description and grade for each movie. Also, by clicking the movie, you get picture of the movie poster. I learned how to do more than just two activities and how to combine them even better. I also figured out how to adjust them better for it to show the grade fully and in the same place for all the movies. I learned how to add more colour and a star to my app.

20.11.2024

I learned that it is hard to add a switch that would change the theme of the app so in the end I decided to remove the feature. I learned how to add different titles to different pages and even how to add a title to each item, like when you click a movie you get a picture of that movie and in the ActionBar it says the movie’s name. I also learned that adding padding to the list views detail code made more space for texts and made the list look better.