Lappeenrannan teknillinen yliopisto

Software Development Skills Mobile, Online course

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**LEARNING DIARY, Software Development Skills: Front-End MODULE**

LEARNING DIARY

**18.9.2025**

This was the starting day for the course, and I went straight into reading the introduction and what is required to complete the course. As I was familiar with most of the stuff from the other SDS course I’m doing at the same time It didn’t take that long to be done with that. After I headed straight to the first exercise that was building a basic app in android studio. I was familiar with android studio so setting up the first app wasn’t too difficult. Mostly the first exercise was a great thing for refreshing my memory of how to do things in android studio. New things that I learned from this first exercise were how to connect android studio projects into git because I hadn’t done that before. All in all I would say the first day of working on this course was very useful and now I’m ready to work with mobile development more.

**25.9.2025**

Today I made my second course work application. I did some of the same stuff from previous week but today I also learned how to create more activities and how to link them, so they work together. I also learned how to add links to websites inside your own application. I learnt Intent and what it does. Also, I learned how to change the Gradle properties to match with the required version. Today I also did some basic debugging in my application to understand some of the issues I was facing.

With my git repository, I had to make a new one because the connection from last week was done poorly and adding new projects to it would have made it very messy, so I also did that and learned a better way to connect android studio with multiple different applications into my GitHub repository. Today was a very insightful day and great progress was made.

**2.10.2025**

Today I made my third practice app. Todays application focused on ListView and custom layout components and adding images with image view. I learned how ListView can be modified and scaled properly. I learned how to add images into different activities and how to make them scale according to the size of the phone which is something I hadn’t done before. Today I also made more java classes when before in this course I’ve just worked with only the MainActivity. Inflater was something I hadn’t used before and today I also learned what it does and how to use it. Today I also learned that onedrive might not be the best place to store android studio projects since the synchronization might mess up things and your app wont run. So I fixed that issue by removing it from onedrive.

**9.10.2025**

Today I started my project app with getting ideas from the internet for a basic app with the core being a list, and I stumbled upon a shoppinglist app idea that caught my eye immediately and I started working on that. I created the base for the list and made functionalities to it that you can switch between activities, and adding stuff to the list etc. I got the base working by the end of this session and the next thing for this project is adding some cool little things. I learned today how to switch between activities back and forth with the click of a button, previously on the practice applications there was just the option to switch once to the other activity.

**16.10.2025**

Today I worked on my project. First, I planned on what features would be great on this application and then I started researching how one could implement such features. After learning I started implementing a delete item feature for my list and I learned great things from that. Such as how to highlight certain items from the list, so that the user knows what item hes deleting from the list.