Sofware Development Skills: MOBILE

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LEARNING DIARY, ANDROID STUDIO DEVELOPMENT MODULE 2024-25

LEARNING DIARY

20.5.2025(time spend: 4-5h)

I read through the course information for the SDS:mobile course. I chose this course because I have already completed the object-oriented programming course (Olio-ohjelmointi), and I found Android Studio interesting.

Since it is mandatory to use GIT-hub in this course, I'm looking forward to learning more about it and improving my skills

For the first day I just downloaded the needed applications and watched the introduction video about android studio.

24.5.2025(time spend: 7-8h)

Today, I started by watching the second part of the tutorial videos while also working on and editing my own code. At the same time, I began thinking and planning what kind of code I wanted to implement.

So, I mainly focused on creating the views/pages and making sure they function correctly-including the buttons, calculations, and page navigation. I also added a new welcome page where the user is asked to enter their name, after which a personalized greeting Is shown. The page also explains what the application does and what the next step is.

I haven't decided yet what will I do with the last page. We will see ☺

Here I didn't really learn anything new. I just had to refresh my memory because I had already done another course where we covered this stuff. It took me some time to remember everything but in the end it felt familiar.

9-10.6.2025 (time spend: 7-8h)

I started today's project session by first going through all my previous notes and plans for today, since I had a two-week break due to work and being sick. Last time, I couldn't decide what to do for the final page, but today I decided that It will show the user's history of calculations. In addition, I wanted to add a feature where, during a calculation if the result is positive the number is shown green and then when it is negative it will show the number as red. Finally, I also added a hello message for the user in the calculation portion, it will greet the user with their name.

Lastly, I just tested the code so it would work right.

This was the most interesting part of the project because I was really interested in the history feature, I made many mistakes and had problems with it but in the end, I found all the mistakes and problems and learned from them.

overall:

Overall, this course was a good way to refresh and slightly deepen my understanding of Android studio development. Even though the topics we went through in this course were familiar to me, I still got to learn how to implement specific features.

I like being creative, and this course supported that, and it gave us the students a freehand to do anything that still fit the topic. Also, one reason why I liked this course was because I got to better my skills with GitHub, which I had never used before.

What application should look like:

Screen 1

1:25

Provide your name:

Name

Done

Next

Screen 2

1:29

Provide your name:

User

Done

☰ Welcome User!
In this application you will be
calculating :)
Click 'next' to continue.

Next

Screen 3

1:29

Back   History

Hello User!

This will calculate two numbers for you

Number

Number

−   +   X   /

Result

Screen 4

1:30

Back   History

Hello User!

This will calculate two numbers for you

1

2

−   +   X   /

-1

Screen 5

1:30

Back   History

Hello User!

This will calculate two numbers for you

1

2

−   +   X   /

3

Screen 6

1:30

Your Calculation History

1 - 2 = -1

1 + 2 = 3

1 * 2 = 2

1.0 / 2.0 = 0.5

Back

Screen 7

2:03

Thank you for using my
application!

Back   Back to start