LAB University of Applied Sciences

Sofware Development Skills

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LEARNING DIARY, SOFTWARE DEVELOPMENT SKILLS: MOBILE 2022-23 MODULE

**LEARNING DIARY**

26.1.2023  
I read the Environment Setup. I have a git account before, and I can use git CLI well basic.

I’m using Visual Code as the main Code Editor with some popular extensions. When I installed Android SDK, I faced a problem with the minimum version required. I found the solution on Stack Overflow that change targetSdkVersion and compileSdkVersion in build.gradle file.

27.1.2023  
I faced a problem building the project as my laptop was not strong enough to run the virtual emulator. Solved by using a physical device for testing. I view three parts of the video: Introduction, Core Elements, and Lists, Layouts, and Images. I tried to create an application and I have a problem with ImageView. It doesn’t show the picture. I debugged and found the issue was with the file path reference.

28.1.2023

Encountered an error while building the project due to Gradle issues. Resolved by updating Gradle version and syncing the project.

29/1/2023

I realized that modifying XML files be easier for styling. I studied more from the official document to enhance my knowledge. That why I have struggled with changing the type of Password EditText in the design layout. Resolved by searching online and updating the code accordingly.

30/1/2023

I had trouble with the Validation provided by Android. Solved by checking and using setText to textView to be styled in Java code.

31/1/2023

Struggled with creating ListViewActivity, understood the concepts of Adapter and Layout Inflater, and was able to implement it successfully.