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| Giulia Karanxha 2207809 | 29.02.2024 |
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| Labwork-2 | |
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# Learning Reflection Do not delete this Section Break.

I watched all the videos required for module 1. One of the videos compared the following frameworks: Flutter, React Native, Ionic and NativeScrips and their best use. The comparison was between parameters such as ecosystem/third-party libraries, popularity, performance, real-world usage, and features. I am definitely more of a practical learner, and I like to learn by doing (and by making mistakes!). I like to keep step-by-step screenshots and tutorials, and I think I could repeat this Lab Work without problems. I have been interested in UX and UI design for quite some time, as I enjoy the intersection of graphic design/web development and psychology, but I never pursued this topic professionally as I feel the space seems quite competitive. Nevertheless, I enjoy this topic so much that I followed some courses on Coursera and EdX, and now also the videos on Udacity required for this module, which are made targeting UX for mobile development. It was very interesting to learn that Ionic is a “hybrid” framework for creating an app on multiple platforms (iOS, Android, Web) with one source code. Since I started learning and studying coding, I see it as a sort of magic that enables me to create what I imagine, just like painting or drawing. Learning how to create my own app would allow me to actually build some of the ideas I got in recent months: a personal finance application to use with my husband for our finances, an application about stolen bicycles, etc.

Following the instructions for the Lab Work was pretty easy and clear; I had to go a bit more in-depth regarding the environment and the Ionic app creation. Using VS Code, which is an IDE I know well, was also great. I did not encounter specific errors or difficulties, but this is only the first module.

# A computer screen shot of a program Description automatically generatedHands-on Practice-1 (Navigation App)

A screen shot of a computer

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A screenshot of a computer

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Starting the Ionic app:

A screenshot of a computer program

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# Installing Java

I installed the newest JAVA version, which is the 21.0.2:

# Setting JDK Environment Variables

This process was something I have never done before, but it was quite easy to follow.

# Creating a simple Ionic Mobile App

The guide, website and videos on how to install and use Ionic were comprehensive and easy to follow. I am familiar with using the Command Prompt to install programs, so I did not encounter any difficulties.

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References

Electronic sources

Academind (2019). Which one is best for you? Flutter, React Native, Ionic or NativeScript? [YouTube video]. [Accessed 07.2.2024]. Available: https://www.youtube.com/watch?v=PKRXbLnfXXk

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Alves, P. (2021). Ionic Tutorial #1 - Overview, installation and creating the project. [YouTube video]. [Accessed 12.2.2024]. Available: https://youtu.be/5Gj4Y8zvl-s

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Every appendix must be titled, at the end of an appendix press Ctrl + Enter, select AppendixHeading style.