Lappeenrannan teknillinen yliopisto

School of Software Development

Software Development Skills Front-End, Online course

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LEARNING DIARY, CT70A9110 Software Development Skills: Front-End MODULE

Date : 6.11.2023

Activity : I set up everything regarding the course, and watched the first lecture

Learning outcome: As I have already dabbled in front-end coding, the first lecture mostly just taught me how to get going with sass on a basic project and opened my eyes about how much you can achieve with just html, javascript and css.

Date : 8.11.2023

Activity : I watched lectures 2, 3 and 4

Learning outcome:

I learned quite a lot from these lectures. This is a very different web development style than what I have gotten used to. The usage of VSCode to automatically generate html elements using the element.class#id method was completely new to me. Also I got introduced to some css units I had not ran into before, such as rem units. The way they dealt with responsive css in the videos was also new to me. I did know of media queries, but using them in a systematic way where four of them are used together to produce a easy way to change the styling when the page does not look good in some size, was a new way of thinking to me.

 In addition to all of this, the sass syntax used in the videos was completely new to me, as I have not used sass before. Mixins, pseudo elements and variables among other things were all things I expected from sass, but I did not know the syntax of. Also I learned even new VSCode tricks even though I have been using VSCode for quite a while now. For example I new that you can move a line by holding alt and using arrow

keys, but I did not know that it will copy the line, if you hold shift in addition to this. Regarding new things I learned about javaScript, the querry selector was a way to select html elements, I did not know before. However now that I know of it, I can imagine how useful it is compared to just using element by id or by class.

Date : 12.11.2023

Activity : I watched "100+ JavaScript Concepts you Need to Know" and "100+ Web Development Things you Should Know" from a Youtube channel called fireship

Learning outcome:

These were quite rapid videos mostly focused on general stuff and thus I new many of the things in them already. However for example splitting javaScript files using ES modules and wekamaps and weaksets were new to me. Also the explanation of box model was quite good in the latter video.

Date : 13.11.2023

Activity : I watched lectures 5, 6 and 7

Learning outcome:

These videos handled a lot of stuff I was familiar with already. Of course, some of the sass syntax was once again new such as the functions sass has. Also the sample text generation and css grid were new things I am sure I will find useful in the future. The last video also took a more concrete approach to hosting, of which I just knew the concept of beforehand. The actual execution of using GitHub pages and a domain to host a simple web page had never crossed my radar before.

Date: 14.11.2023

Activity: I started working on the project.

Learning outcome:

I started working on the project. The setup was quite similar to other font-end web applications I have made, so there was not much new. I had not setup sass ever before, but as I had used npm and node, the setup was quite easy.

Date: 15.11.2023

Activity: I advanced the project.

Learning outcome:

I forwarded the project a lot today. The development was again quite similar to other projects I have done, though the type of this project is different enough that it is interesting. I learned a lot about the workflow of this type of project, where the front-end design is the top priority. Projects I have previously done have always had some functionality or something else more important than just the looks. The way this project has been setup has thus thought me a lot about how to think about the end product looks, when building the site.

Date: 16.11.2023

Activity: I finished the project.

Learning outcome: Today I felt I learned quite a lot. The building of the website felt much more fluent, and I found myself looking of online resources much less during todays project. I feel like this might have been the first time ever, where I developed the look of a website on the fly. This type of workflow, where I just look at the site, and see something wrong, and then go fix it, has never been possible with my knowledge. However today it went quite smoothly.