Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills: Front End

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LEARNING DIARY, All MODULES

**LEARNING DIARY**

**Module 1**

**04 May 2021**

I was able to finish my entire code editor, watch the video as well as create my main GitHub repository that I will use for this course. I was able to understand the general principles behind the setup of the website and the system. I am happy that I finally was able to obtain a decent introduction to how node.js modules work, as that used to be problem for me and many times stopped me from advancing in the front end development. The module itself was not so difficult, the pace of the video is just perfect, and thus, I was able to understand everything so far. I do not expect that I will have much trouble with the future modules/videos, yet, I am hoping that with each new module I will have more motivation to explore the front end development world.

**Module 2**

**05 May 2021**

On this day, I was able to finish the 2nd module from this course. I have learnt plenty of new techniques with scss, which not surprisingly are really useful, and if I had knew them before, my web development experience would have been so much easier. Given that, I started using scss also for my personal projects outside this course, which is exactly what the goal I wanted to achieve, as in, learn new techniques that I will be able to use for myself. Apart from that, I had some weird issue with the background image in the mixin function, and as I had carefully watched video, I did not know what was the problem with it. Going through the YouTube sections assigned some possible solution to this problem, however, my issue was not resolved, and to spend too much time on it, I just simply assigned the background image to the body in the index.html file.

**Module 3**

**06 May 2021**

Today, I finished the 3rd module from the course. In this module I was introduced to the basic idea of JavaScript and how it is merged into the html and css files. I have not been using much of JavaScript functions to select certain elements and then work with them, so I was happy to get a simple introduction with a nice working example (the rotating button). Throughout the video, I tried to think of some complex functions to make that button rotate, and it just did not come to mind that I could simple add classes to my different html tags, and create all the animations within css. After that, I started experimenting with creating more complex animations (for a different project), so I could learn the strengths and limitations of using them in such a way. Un-surprisingly, I was not bottlenecked by anything, sometimes the order of my transformations was not right, but that was due some of my mistakes, thus I was able to create some smooth animations to have a better understanding of the topic.

**Module 4**

**06 May 2021**

Throughout this day, I was also able to complete the next module from this course. I have learnt how to work more efficient with scss, and css in general. My initial thought was that the website’s navigation bar would be as a completely different .html file, and I had no exact idea on how would I have done it otherwise, thus, I was a bit surprised when it was mentioned that everything will be done with simple css and different classes attributes. I was happy to see that by manipulating classes with Javascript, you could simply create different subpages, just by changing their css parameters, which for something like a navigation bar, seems like a very good option. Another thing is the responsiveness with the website. My usual issue with css is on how to position certain elements (especially in mobile situations), but by applying simple changes in @media, I can easily put any elements in rows or column the way that I wanted to for any type of screen.

**Module 5**

**07 May 2021**

Today, I finished the 5th video of this series. In the video, we were introduced to the application of CSS Grid. Beforehand, I have never used or known that technique, as I thought that it would be much more complicated to use than the methods I have been using before. However, after the video, I feel like I will be starting using CSS grids, as they really seemed like an easy options to position everything on the screen the way you would want it too. After the actual video, I watched few more tutorials on CSS grids, and I really have learnt a lot of new interesting css techniques, thus I am satisfied with this module.

**Module 6**

**08 May 2021**

In this module, there were not that many new things, it was using the previously known knowledge to create these sub-pages. Especially, after watching few of the CSS grid videos, I was super comfortable doing the given exercises. At the of the day the, website looks really nice, I am happy with the result, and for the project I will try to add few things here and there to expand it a little bit with my own ideas.

**Module 7**

**11 May 2021**

For the last module of this course, I have learn a bit about GitHub Pages, which is something that I always wanted to start using. In the beginning I had few problems, due to the fact that my repository for the course is heavily divided (Frontend, Backend etc.), thus there were few problems with deploying the website, but my moving only the exercises part onto a different repository I was able to deploy the newly created website. I am satisfied with the progress that I have made so far, and hopefully I can apply many of them in the course project.

**Project**