Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

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LEARNING DIARY, FRONT-END MODULE

LEARNING DIARY

13.1.2023

I checked the general information of the course. I chose this module because I have passion to learn about the front-end side of software development and learn HTML and CSS for improving my opportunities to become a front-end developer in the future. Additionally, I have previously completed the mobile module which I enjoyed. After checking the general information, I started to set up the development environment by following the instructions in the part 1 tutorial. Setting up the environment wasn't as hard as I thought even though I needed to pause and rewind the video many times. I learned that sass is a script which is used to compile scss files to regular css files. For version control, I chose to use Git and GitHub because I'm somewhat familiar with them already, but I still needed to check how to push my local git repository to GitHub.

15.1.2023

Today I watched part 2 of the tutorial videos and I created the home page for example exercises. I learned what it means to use rem in sass, it is like multiplier for the default pixel size. I had no problem setting the image in the background, but I had trouble with showing icons on my website. I did exactly same way as told in the YouTube video, but icons didn't seem to appear in my version. Then I started to google if I need to download some extension to get the icons or what I should do but then I found out from the comments of the tutorial video that I just needed to add link to the stylesheet in the index.html file.

16.1.2023

Today I learned more about git pull and push requests and started to use GitHub desktop application because it is easier for version control. Moreover, I watched the part 3 of the tutorial series and I followed the tutorial how to make the navigation menu button in the website. I learned how to do the functionality with JavaScript and I had some problems to get it work because I had named them wrong. I learned that queryselector can be used to search the class wanted to change with javaScript and there is similar eventListener as there is in Java has onClickListener when it is used in Android Studio.

19.1.2023

Today I watched tutorial part 4 and I learned how to do transitions and how to implement the menu. I learned about the translate3d which can be used with transform to change the place of the content on the page. Then another important thing I learned today is how to make the website responsive so its content will look normal and reasonable despite the size of the screen. From my previous studies related to user interfaces and usability, I know that responsiveness has a great impact on the usability of the website or application. Additionally, I started to create my own project by setting up a new repository for that.

20.1.2023

I watched and followed tutorial part 5 where I learned how to use the grid in CSS and I created the about page of the example project given by the tutorial. I learned more about responsiveness, especially with grids. Then I decided to start designing my own project first with Figma because I want to do something different than the tutorial video but still create my portfolio. Then I started to have some idea of how I would like my portfolio website to look so I started to develop that based on the tutorial videos I have watched so far. Then the problem occurred: background color or other updates didn't appear on my website, and I tried to figure out why not.

22.1.2023

Today I continued my own project by adding the background image in a similar way as in the tutorial series I learned. Moreover, I figured out why it didn't update the website last time. I had forgotten to add the link for the stylesheet to follow the main.css file which is automatically generated and updated when the command *npm run sass* is executed and main.scss file is edited. Then I watched tutorial part 6 and created that task in my coursework repository where I have done all the tasks shown in the tutorial videos. So, I created a work page and contact page for the exercise task. There I learned more about the grid and then I learned how to create boxes. I had problems with the hover property because it didn't seem to work the same way as in the tutorial so I will figure that out next time.

27.1.2023

Today I watched the last video of the tutorial series and I learned how to deploy my website with GitHub pages. I practiced it with the example project I have done based on the tutorial.

Now I have done every exercise needed for the coursework repository so I can continue to work on my own practice project.

29.1.2023

Today I added the same navigation system to my own project as I had done in the example exercises. Then I faced problems when I tried to create the menu overlay because for some reason, the background didn't appear for menu-nav and I didn't know why.

9.3.2023 and 10.3.2023

Today I continued working on my own project after a while. I faced problems with how to use the grid element. I have two pages in my project where I use the grid and for some reason, I have not yet figured out why those don't work the same way even though those should.

11.3.2023

I finished my project today when I edited all pages to be responsive. It was a little hard at first because there were so many factors to consider and especially the grid elements were hard to edit. Website still has problem that background looks little weird when the window is smaller, and I tried to fix it but I didn't figure out why and it doesn't affect the pages that much so I will try to fix that maybe later. During this course, I have learned how to use scss and HTML. I learned much patience in the project as well and improved my problem-solving skills. Finally, I deployed my website as told in the tutorial part 7.