Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

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**LEARNING DIARY, Front-End MODULE**

**LEARNING DIARY**

20.5.2020  
  
I started the course today and watched the first video. I already had Visual Studio Code and Node installed so it was quite easy to get the workflow set up. Sass is not very familiar to me, so I am excited to learn more about it. I pushed my initial workflow project to bitbucket.

28.5.2020

I watched the second video and coded along. I added a background image to the portfolio and an overlay to it. Using font awesome was a little bit different than in the video, since you had to provide an email address before getting the font awesome kit code. I had used REM units before, but I always have a hard time remembering what they are all about. It was new to me that you can see the computed property values from Chrome dev tools. The VH unit was totally new to me, it was also nicely explained in the video. The workflow was smooth with Sass and the syntax seemed quite simple. I noticed that it is easy to forget to run npm run sass command when returning to work after VS code restart. I also really liked the Live server extension in Visual Studio Code. The mixin name was not so intuitive in my opinion but the usage of mixins was easy. I pushed my changes to bitbucket.

I continued to the third video about rotating the menu lines to an x. First my menu appeared in the wrong place but then I noticed that I didn’t have width:100% definition in my header. After adding it, everything was in the right place again. The CSS transform was quite cool and easy to use. I pushed my changes to bitbucket repository.

29.5.2020

I started working with the menu overlay and responsiveness. Everything went quite well with those. I have used CSS media queries before but not with Sass. I was thinking that it would be better to use mobile-first design since mobile browsing is so popular these days and it is important that the mobile version loads fast. But I guess it doesn’t really matter in this small project.

I also did the about page. Grid template areas were new to me and I had some problems with them. Finally, I noticed that you cannot put commas after each line when defining the template areas. I also had problems with the sticky footer and that was because I did not have any spaces in the calc function around the minus operand.

9.6.2020

Today I did the work and the contact pages. It was quite easy, and everything worked as expected. Then I tried out the deployment and got some major problems. I created a github repository and tried pushing my code but there were several errors about invalid SSH keys and unrelated histories. Finally, after resolving all errors, the gh-pages dist command just said published, but my project was not visible on my page, just the Readme file was showing. Then I noticed that if I put master\_branch in GitHub pages settings and add /dist to the end of the url, I am able to see my site. So, the part with gh-pages tool did not really come clear to me.

10.6.2020

I watched the additional video about responsive image slideshow. It was quite impressive!

11.6.2020

I started to work with my project. I wanted to learn more about CSS animations, so I tried out some things with them. I used the example project as a base and decided to do some animations to the about page. I had some problems with the menu overlay and animations (animations were visible when menu overlay was active). I managed to make them hidden by using Javascript.

15.6.2020

I added some content to my site and noticed that my sass workflow is not working anymore. There was an error about read-only file system. I spent quite a while figuring this out until I noticed that my sass script command in package.json did not include the correct output folder. I only had / where I should have had dist/css. I don’t know how my workflow worked before with the same command.

16.6.2020

Today I worked on an image gallery. I found a good example with CSS and javascript but it was quite difficult to understand for me. I managed to customize some parts of the gallery, but I wasn’t able to make it just the way I wanted. I still need to learn more about CSS grid layout.

17.6.2020

I worked on the image gallery again. I got the gallery working as I wanted with CSS animations but then I ran into troubles when the gallery did not work with mobile version when I deployed my site to github pages. Then I decided to remove the animations and make the gallery work just by adding and removing CSS styles. That was a better approach and the implementation became simpler. I had also problems with images on the deployed site, but I was able to get them working. In addition, animations on the about page did not work on iPhone in the same way as in desktop. That I was not able to solve today.

21.6.2020

I studied the animation problem in mobile version. I tried out different things but then I noticed that I had used percent in opacity values. That worked in desktop browser but not in mobile. When I switched 0% to 0 and 100% to 1, the animations started to work as expected.

22.6.2020

Today I did some final touches to my project. I made a new npm script in package.json that first compiles sass and then moves the CSS to the root of the project for deployment. I managed to break my gallery so that it did not work in mobile anymore, but I was able to make it work again.

23.6.2020

I was left thinking why I need so many npm script commands. Before I had problems when compiling sass to css when the output file was in the project root. My previous command was wrong, since it tried to put the css into the file system root. I put dot as the output to represent current folder and that worked, so I was able to remove my several npm script commands.