Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

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LEARNING DIARY, FRONT-END MODULE

**LEARNING DIARY**

8.11.2021

I read the course information pages on Moodle and set up the git repository by using command prompt. As the code editor I’ve chosen to use VS Code.

I started watching the first video and some things like responsive design have come up that I’ve previously learned from the course User interfaces and usability. Sass was a new term for me.

I installed node.js and some VS Code extensions. After I had everything installed, I watched the rest of the first video and set up the workflow of using node-sass and live server.

9.11.2021

I followed the second video and added headers, navigation links etc. to the home page. As I haven’t used html that much before, I had to read the tooltips of some of the html tags so that I could understand what they are.

I tried doing some things a little differently than in the video to see if I understand how it all works, for example I darkened the background of the small heading instead of lightening it. I think that makes more sense as it makes the white text stand out more. I also made it so that moving the cursor off the icons also does the color transition instead of abruptly changing back to white. I found the way to do this on Stack Overflow.

The vh unit was explained very well in the video so it was easy to understand. While trying to apply a background image to the home page, it would only show up as white at first. The problem was that the path to the image was not correct. Changing the path fixed the issue.

After that I watched the third video and added some JavaScript code to the site along with the rotating menu button. A problem I encountered was that the rotation happened abruptly without the transition. The cause for this was that I wasn’t applying the transition in my easeOut mixin to all properties, only to the color.

18.11.2021

I watched the fourth video. I learned about the flex layout model and the justify-content property. Next I implemented the sliding menus and menu items, which taught me about translate3d and transition delays.

The next task was to make the site’s design responsive, which was done with media query mixins. I found the solution to be easy to grasp and implement.

23.11.2021

I started the fifth video and learned how to use functions in sass to change the text color dynamically based on the background. The next addition was the about page and its grid. I followed along and understood how it works. Next up was the styling, which was nothing new at this point with the exception of the sticky footer.

After that I added responsiveness to the about page. I tried to do it without instructions first, but I forgot to change the number of columns. I watched the rest of the video and fixed the issue.

Afterwards I watched the sixth video and added the work page. Doing that, I learned the difference between block and inline-block. I also learned how to extend a class in sass. I was able to make the grid size responsive on my own this time. Once the work page was done, I moved on to the contact page which didn’t take very long to implement.

30.11.2021

I watched the seventh and last video and learned how to deploy the web page to Github Pages. After I had deployed the portfolio example, I tried accessing it on my browser. A problem I came across was that all images would not load. The site worked normally otherwise. After trying many different things and messing around with inspect element, I figured out the reason for the problem and for why using the same image paths as in the videos didn’t work before: My img folder was outside the dist folder. Correcting this fixed the issues.

2.12.2021

I started working on the course project. The idea I came up with was to make a website for a store that doesn’t know what it sells. I referred to the first two videos to get started. It took a lot of fiddling with margins and such to get things aligned, but I made some good progress. I got the home page’s banner mostly finished.

7.12.2021

Today I wanted to add some content to the home page. I also wasn’t satisfied with the general design I created last time, so I redid the page, inspired by this video: <https://www.youtube.com/watch?v=0mYbVEBsMh8>. I was having some trouble on my own trying to get things to look how I wanted, and this video helped me get things moving. A lot of trial and error is involved, because I’m still quite unfamiliar with many of CSS’s features.

I also tried out and chose new colors for the site. After that I made a new background for the banner and added some featured products to the home page in a grid. I spent a very long time trying to get the footer to be at the very bottom of the page when it’s scrollable, but nothing seemed to work. In the end I finally found out that the problem stemmed from the page’s content having its ‘top’ property at 600px, and I needed to add that to the footer as well.

18.12.2021

I began by drawing simple promotional images for the products on the home page. I used paint.net like I’ve done with all other images. Next I started working on the shop page. I wanted there to be no banner for that so I edited the “top” parameter for content and footer such that it only applies for the home page.

I used a flexbox for displaying the items on the shop page. A problem I had to tackle was setting the maximum number of items in a row. I accomplished this by using “flex-basis” and setting that to 33.3333% in order to have a third of the available space assigned to each item. I also made each item a flexbox so I could center the image and description. Afterwards I drew images for all of the products.

20.12.2021

I created the contact page. For the details I put in a generic e-mail address, an example phone number and a randomly generated US address I got from this website: <https://www.summet.com/dmsi/html/codesamples/addresses.html>. I decided to use a grid with 3 columns for this page. After some margin-adjusting and text styling I got it to look how I wanted it to. I added the ease out animation for the button on the home page by including it as a mixin.

21.12.2021

I started adding a sliding panel for signing in to the site. I’m not going to include the actual ability to sign in, only the visuals. I roughly followed the same instructions as when making the menu for the portfolio site. I added in a dummy button and two input fields by using the input tag in html. To make a cross button for closing the panel, I used the multiplication symbol Unicode character.

I added the sliding animation for the panel by using transform: translate(). I wanted to adjust the transition easing, so instead of using the default ease-out I googled a bit and made my own curve with this website: <https://cubic-bezier.com/>. Next I started working on responsiveness. The first hurdle was to make the header fit smaller screens, which I achieved by putting the logo and navigation links on separate lines as well as making them smaller. After that I made the banner and home page contents adapt as well. I restructured the home page items and their grid, because I couldn’t arrange them vertically with the previous setup.

The shop page didn’t require any changes to be responsive, so I moved on to the contact page. I only had to make it so that the number of columns changes from 3 to 1. Lastly, I changed the login panel’s width to fill the whole screen when it’s small.

29.12.2021

I went through the project and looked for any mistakes. I deployed the project to Github Pages.