

Lappeenrannan teknillinen yliopisto  
School of Business and Management

Software Development Skills

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**LEARNING DIARY, FRONT-END MODULE**

# **LEARNING DIARY**

## **Introduction to workflow and sass**

02.01.2023

Setup the coding environment and learned what sass is and how it works. Installed some quality of life extensions for VSCode such as "Live server", which saves a lot of time during development. Learnt some keyboard shortcuts for boilerplate code and got sass to automatically compile the code to css each save. Setup git and got a repository up and running. Also did my first commit to the repository and all went according to plan, although setting up Bitbucket and Sourcetree took some time and a few introduction articles until I had it figured out.

## **Homepage and Core Sass/CSS**

02.01.2023

Created the core Sass/CSS for the project and the homepage HTML markup. Learned more about Sass, including how variables and nesting works. Managed to get the homepage to look nice with the help of background pictures and re-arranging the page elements. Did my second commit and saved all my work to Bitbucket with the help of Sourcetree. No issues regarding the use of Git so far, which is surprising to say the least, as I'm in no way a professional in the world of version control.

## **Rotating Menu Button**

02.01.2023

Created the menu button and gave it some transformation animations with CSS. Messed around quite a bit to create all sorts of shapes with the menu button lines by just changing a few lines of code. Finally decided to stick with the X shape which was shown on the lecture video. Also added the basic functionality of the menu button with JavaScript. Had some issues with npm not being able to find the 'package.json' file which was the result of a small typo in the Sass script. Managed to troubleshoot it without much frustration

though. Also had an issue with Sourcetree not tracking my new commit, but managed to fix that one as well.

## **Menu Overlay & Responsiveness**

02.01.2023

Learned about media query mixins and how a website needs to be made responsive in order to achieve proper readability with different display sizes. Created the actual menu overlay and learned how to do proper transitions. Made the menu to be responsive and compatible with small screens (smartphones), medium screens (tablets & small laptops), large screens (desktops) and extra large screens. Didn't really stumble in to any unforeseeable issues this time and everything went smoothly from the environment, coding, and git point of view.

## **Page With CSS Grid**

16.01.2023

Had a bit of a break so some recapping of previously learned things was in order.

Learned about using CSS grids to make an about me page that is both pleasing to the eye and easy to modify and improve. Also made the grid responsive to achieve a more readable about me page. Added a function for automatically changing the font color of text to be more readable when the background becomes too dark or too light. Managed to also create a footer and made it sticky in order for it to not jump around the page when deleting elements. Didn't experience any issues this time with neither Git nor the actual project.

## **Work and Contact Pages**

16.01.2023

Added the Work and Contact pages to the website, which was relatively easy, as we could just mostly copy and paste the previously created pages and edit a few things. Contact page used Flexbox, so that was something new to learn. Also made both of the new pages

responsive for different screen sizes. Fixed an issue with some of the pages not properly redirecting to the home page when selecting it from the menu.

## **Website Deployment**

16.01.2023

Learned about Github pages and how to deploy the website for free. I had been using Bitbucket thus far, but decided on moving the repository to Github, as the tutorial used that instead of Bitbucket. Bitbucket has a similar service available, but I decided on rather using Github, because most of my other work is located there. Importing the repository from Bitbucket to Github was very easy with Githubs importing tool. I learned how to deploy the page using Github Pages, and got the site up and running. I had some issues with the configuration, as I had some left over configs from when the repository was in Bitbucket, but I managed to get everything sorted out pretty quickly.