

Lappeenrannan teknillinen yliopisto
School of Business and Management

Software Development Skills

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LEARNING DIARY, FRONT-END 2022-23 MODULE

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I accessed the course for the first time and read the Course Overview, General Course Information and the Environment Setup tabs. Briefly, I looked over the other tabs as well.

I decided to work on VS Code on Ubuntu, as I have already done some basic version control there.

The diary is being written on google docs, then being exported and transferred to the project as a pdf before important commits.

24.11.2022

Using GitHub Docs and the tutorial on the course I set up the repository.

Part 1

To follow the instructions from the video, I installed nodejs, using the instructions provided on the Advanced Web Applications course.

25.11.2022

In the last step of the video they create the .gitignore file before initialising the repository. Since I already had the repository ready and I was working in the Coursework directory inside the already created Front-End repository I created .gitignore inside Front-End, and added the route *Coursework/node_modules* inside.

I struggled a bit because I made a spelling mistake, so node_modules ended up on the github repository anyway. Therefore, I deleted it and did several test commits to check for the problem.

Part 2

I pondered for a moment if I should use my name and data to fill the portfolio example. I decided I will use the data from the tutorial, because in the future it might link things like twitter or linkedin, or add images, and I lack those.

To use the icons I signed up for fontawesome.com.

So far, scss is quite similar to css. Variables, nesting and functions truly facilitate styling.

Sometimes, when trying to use a variable or id, messing up the spelling is quite easy, so I downloaded Code Spell Checker extension to help with that.

As I assume everything on the tutorial is going to work I am not committing very often.

Part 3

This part of the tutorial was quite simple, just following along. Most of the difficulties were differences in class names. For example, I named the navItems class as 'nav-items', while the tutorial mentions that they name it 'nav-item' in singular.

I had the same problem with sass as the tutorial and the solution was the same Ctrl+C and run the script again.

Part 4

I had some trouble with translate3d, but it was quite easy to find the problem, I mixed up the values.

As I continued with the videos, I started to see there are lots of options for the front-end. With clever use of css and js many things are possible.

Using the option to simulate different mobile screen sizes when inspecting a web on Mozilla I found that on slim smartphone screens a scroll bar does appear. Scrolling down it is possible to see the end of the transparent grey box that should cover the image.

Adding *overflow: hidden* to the body on the main.scss or changing the height from 100% to 100vh does solve the issue. Both with the problem that some parts of the web will not show because the screen is too small, however, I suppose this is expected behaviour, as a couple of times in the tutorial *overflow: hidden* is used. Also, to be fair, screens of this size are unlikely and this is only for the sake of experimenting.

Part 5

I reverted the 100vh back to 100% and followed the tutorial. Everything worked as intended.

When adding a comment to the commit I mistakenly wrote "Part 4 II: About page" instead of "Part 5 II: About page". Checking GitHub docs it seemed that if the commit was already online they do not recommend force pushing an amendment. The reasons why did not apply (no one had cloned my repository), therefore, after a merge (I tried to fix the last commit not remembering it was already online), I decided to just let it be.

Part 6

Doing the work page was pretty quick as we had been using grids for the other pages.

Flex seems like it is better at automatically adapting to the display, as `_mobile.scss` did not have to be touched.

Part 7

As the exercises material is inside Coursework, the steps from the tutorial did not work. If, when I try to deploy my project, it does not work, I will come back to it. In the meantime, it seems like a normal result.