

Lappeenrannan teknillinen yliopisto
School of Business and Management

Software Development Skills

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LEARNING DIARY, FRONT-END

LEARNING DIARY

Introduction to workflow and sass [Part 1].

I started the course by introducing myself to the moodle page. I tried to follow the youtube series as strict as possible. I downloaded Visual Studio Code, Git etc. Also I installed and enabled extensions inside VSC to complete the environment. Later on the first youtube video informed also to download Node.js. Creating package.json went well and writing text to my page. However, I had multiple problems at the start of the course: I was having problems installing node-sass. Installing Node-sass occurred to be problematic because of reasons I don't know. Starting again from the scratch, downloading and installing everything helped.

First video helped me understand what sass is. Another thing was using keyboard command: “! + tab” inside index.html to create head body tags and viewport meta tag more efficient. With couple tricks the final result was page with text.

Homepage and Core Sass/CSS [Part 2].

The second video of the series informed how to make headings, change font sizes, create menu, add social media icons and such as. Because of wrong typo my social media icons were not at the proper places but rechecking and with the help of the youtube video I managed to reposition the icons.

First I was not able to upload the picture or more precisely the background of my website first but after rechecking the code I managed to continue. However, I had to crop the background picture to make it fit properly at the position I wanted it to be. I have taken the background picture by myself and that's I wanted to utilize it because usually I don't take any pictures.

The second video helped me to understand more about homepage HTML markup, variables, nesting and css. Adding secondary color and adjusting headings were concrete

things I made. The final result was index_html page that had my name, simple information, emblems and menu.

Rotating Menu Button [Part 3].

In this part I added and committed everything I did in part 2 with command prompt. The contribution to create CSS menu button would've been quite demanding if there would not have been the help of the video. I also used Mozilla developer page and its CSS DEMO transform to reposition and rotate my portfolio webpage menu button into an X.

Transform's translate gives the possibility to reposition components and rotate naturally helps to rotate components.

The final result was webpage that had my name, simple information, social media icons and menu button.

Menu Overlay & Responsiveness [Part 4].

In this part I created menu overlay, some sass mixins, add navigation to the site and such as. I developed possibility for the user to see and interact with the menu button. I also uploaded a small portrait of me but I had problems with the width, the height, the position and the circular borders of the picture. Using "background-size: cover" inside mobile file helped me to solve this problem. I tried multiple things and someone in the youtube comments advice to try it.

Adding responsiveness was for better interface for the user. Media query mixins, such as max-width and min-width components were a major part of the work.

One mistake I had made was inside main.js I had "showMenu = true" two times and one of those were blocking the "showMenu = false" command. Because of this my menu overlay was able to open and close only one time if user did not update the page. After the corrections I was able to open and close the menu as many times I wanted.

The final result was almost complete menu and I was able to change color, opacity and such as in config file in a pragmatic way that was not possible before because of my mistyping.

Page With CSS Grid [Part 5].

I added a function, not a mixin that was “set text color” with if-statement to help if I want to change the primary or secondary color in config file. With this I was able to change the colors and the opacity in a pragmatic way.

Creating about me page using CSS, adding grid templates and sass styling for better responsiveness were major parts of the work at this precise time. I had multiple problems with the responsiveness and especially with the pictures. Variety of things I tried just made the situation worse but finally I managed to adjust responsiveness.

About.html page was little bit hard to adjust and that’s why I sought the help of others and found some from stackoverflow and in youtube comments. In about me page I managed to check and correct my code parts which weren’t written correctly. This way I managed to find problems and then I rewrote the code by myself and with my own personal information.

There were multiple things like stacking the grid-template-areas which were demonstrating my mistakes before and that’s why I made multiple changes to make my portfolio more user friendly. The final result was more responsive.

Work and Contact Pages [Part 6].

I do not have so many or visual projects that I have done before so I created my work / projects page for the sake of learning. However, in the future I can upload my projects and I have the competence to change the my work page if I want to utilize the page I other way. I uploaded different size and format pictures in my work page to demonstrate that it works properly and at the same time learned more about the responsiveness. Learning more about

Css grid, using the flexbox and properties for layouts were main parts of this time. I also added “href links” to my homepage’s social media icons to use those as a route/hyperlink to my social media pages.

Website Deployment [Part 7].

Deploy the website with GitHub pages was not so simple. Or not so much the deploying but updating the website after it is in github was very hard because I did not know what to do and the help from youtube comments and stackoverflow did not work properly because I made mistakes. I end up doing things which were not rational when I wanted to update my portfolio. I did this in my bash cmd prompt:

1. Saving the changes in code
2. Bash: ”npm run sass”
3. Clear the bash command prompt
4. Bash: “git init”
5. Bash: “git add .”
6. Bash: “git commit -m 'Initial commit'” or ‘Update’ or etc.
7. Clear the bash command prompt
8. Bash: “git remote add origin git@github.com:arttuma/modern_portfolio.git”
9. Bash: “git push -u origin master”
10. Clear the bash command prompt
11. Bash: “npm i gh-pages”
12. Bash: “npm run deploy”

I know this way doing this is not sustainable or rational in any way but I was in a hurry so I pretty much just tried and finally I managed to update my page. Basically I wanted to update online repository but I had problems because I didn’t know how to update the local repository / my local git in the right way I guess. Using git init, git add . I tried to update my

files locally but deploying it after did not work properly. I even deployed the project and deleted it couple times. But nevertheless I managed to complete everything and page is on live. Demonstrating video can be found in my github: https://github.com/arttumau/modern_portfolio Video demonstrates that the page works properly. I learned a lot during this course. but one thing I have to learn is how to update my webpage in a pragmatic way. If you understand what I'm trying to learn I am more than happy to learn about it. Stackoverflow and youtube are places I will continue to seek answers.

UPDATE: manage to find how to update my portfolio in a pragmatic way with visual studio code.

Thank you.