Lappeenrannan teknillinen yliopisto

School of Business and Management

Software Development Skills

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LEARNING DIARY,

Software Development Skills: Front-End 2022-23

**LEARNING DIARY**

9.9.2022

part 1

Open source example used: <https://github.com/bradtraversy/modern_portfolio>

Environment setup completed:

Refreshed memory on git commands.

OSS version of vs code was chosen as the editor + github for vcs.

learned how to install npm modules i.e: npm-sass, basic file structure and refreshed memory on html + css colour, sass to css script configured.

part 2

Homepage styling:

In part 2 I learned CSS formatting, @functions and effect transition setting, element padding, element sizing with rem sizes, Adding images as backgrounds with color overlay with transparency on top of it. Images were sourced from the provided github repository.

background image color overlay was made with pseudo element of :after, this removes the need for the overlay element in html. also imported a config file.

part 3

Menu:

The side menu button was made within main.js and menu.scss. I Learned how to make a dynamic button to open and close a side view. Button animation was made with css transitions. transform: rotate to rotate and translate to move.

part 4

Menu overlay:

In part4 I learned how to do the css / visual part of the menu overlay, which structure is in the html file. A for loop was used to get transitions for the menu links. I had some issues with the scaling of the menu on my uncommon screen resolution, it would only use 50% of the space. menu size was modified from 100% to 200% to fix this. Media query mixins are used for getting different screen resolutions and applying css depending on the resolution, I.E. Phones, Tablets and computers. MQ was used to modify the view on small resolutions in mobile.scss which contains dynamic scaling content.

26.9.2022:

(Between part 4 and 5 I experienced some data loss, my linux distro decided not to boot. I only found an older backup of the project, lost files mainly include part 3&4 + git was locally saved.)

Part 5: About Page

SCSS Mixins cannot return values, if return functionality is needed it needs to be a function tagged with @function. set-text-color returns a dark color for the elements if the background is light-colored and light color for dark background colors.

Grid-css was used to organize elements in the about page. Grid sizes are responsive to resolution with rem sizing. On a phone resolution the elements are instead stacked, this is achieved by a grid template area specification on mobile.scss’

Part 6: My work page + contact page

The my work page is similar to the about page, I learned how images work inside the grid layout with 2 buttons underneath the elements. The work page also resizes the grid width element count in response to resolution change, from 1 to 4 depending on screen.

Contact page uses flexbox to size the contact information in relation to aspect ratio of the screen. In .boxes is the configuration of the scaling of the contact page

Part 7: Deployment

Pushed local repository to github: <https://github.com/JaakkoLipp/FrontEndSDS>

I learned how to deploy the website on github pages, which was installed with npm

Github pages is great for deploying basic websites without extensive backend needs for free. url: <https://jaakkolipp.github.io/FrontEndSDS/>