Lappeenrannan teknillinen yliopisto

LUT School of Engineering Science

Software Development Skills Front-End, Online course

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LEARNING DIARY, Software Development Skills: Front-End 2022-23

Date : 2.5.2023
Activity : Video 1 Introduction to workflow and sass + git crash course
Learning outcome:
I learned how to setup vscode for html/sass workflow. Also, some basic html/sass elements and coding. I also watched git crash course video from the same youtuber and set up a git repository in GitHub for the project.

Date : 2.5.2023
Activity : Video 2 Homepage and Core Sass/CSS
Learning outcome:
I learned more about html and sass. How to make variables, background images and how to create and use @mixin "methods" in sass. I also learned how to use icons using fontawesome in sass. Then some general styling of web page using colors, margins, padding, fonts etc. Also, some transitions for hover on the icons that was interesting.

Date : 3.5.2023
Activity : Video 3, 4 and 5
Learning outcome:
Video 3 was about rotating menu button. Here I learned how to make responsive ui elements in html/sass/JavaScript. How to transform the ui element(line) was fun and I think that I could spend hours doing all kinds of transitions and such.

Video 4 was about menu overlay & responsiveness. Here I learned how to make the menu overlay that comes out when user pushes the menu button. It was interesting again to do the transitions. Also learned to make the page more responsive to, for example, small screens. I was a bit surprised how easy that was.

Video 5 was about the 'about' page that uses CSS grid. Here I learned how to navigate to another *.html file. On that file I learned to make CSS grid that displayed different elements(images, text). I also learned how to make sticky footer to the bottom of the page.

Date : 4.5.2023
Activity : Video 6 and 7
Learning outcome:
Video 6 was about the work and contact pages. At work page I learned to create another CSS grid that displays images and "buttons". Also learned how to style the CSS grid and how to make it responsive → number of columns increase or decrease when the screen size

changes. At the contact page I learned how to make some Flexboxes that are responsive. The boxes were used to display contact information.

Video 7 was about how to deploy the page using GitHub Pages. Here I learned the necessary steps (installing gh-pages with npm, adding deploy script and homepage to package.json and then npm run deploy) to deploy the page using GitHub Pages. It was really a fun experience for me. Even though I had some problems when my images didn't show up in the deployed website but after some time, I got it to work by changing the image URL's a little.

Today I also started to develop the course project. I chose to do my own version of Lappeenrannan teekkarireserviläiset homepage (https://lateres.fi) from the ground up. Lateres website uses hugo with the Syna theme. Lateres website repository can be found here: https://github.com/lateres/Lateres-web-source

I chose to take some things (texts, some page structures NOT CODE) from the original page but wrote the code all by myself. I also left some things out and then created some new things like CSS grid that displays different Lateres events from this spring. Also, I decided to make the menu a bit different with only the the nav section coming from the top and covering about 20% of the page. Overall, I got the project quite far already today.

Date 5.5.2023
Activity: Continued the project
Learning outcome:
I got the project quite far last time, but it still has some work to do. Today I made the page more responsive while the screen size changes. For example, how much there is padding on the sides of the main element, when screen is smaller then there is less and when the screen is really large there is more so that the contents are more on the center of the screen and not stretched out.

Date 6.5.2023
Activity: Continued the project, created contact page, calendar for main page
Learning outcome:
Today I created the contact page for the project that uses the responsive Flexboxes where each box displays text. Also got an idea to add links to the flexboxes so that for example 'Instagram' box takes the user to the Lateres Instagram page and the 'address' box takes the user to google maps with the address location. The responsiveness needed some tweaking, but I got it to work.

I also added a lateres event calendar to the main page of the site just like https://lateres.fi has. It uses <iframe> element with source url being to google calendar. Then added some style in scss and it works well.

Also decided to change the menu overlay to the original coursework layout with branding using the lateres logo.

Then some other minor fixes and tweaks here and there to make the project look better in my eyes.

Date 7.5.2023
Activity: Final project, github, videos
Learning outcome:
Today I finished the project. Still made some minor changes for example, headings are now more responsive to screen size → smaller screensize →smaller font-size. Then I deployed the project using github pages. Had a little problem where one banner image didn't show so had to make a little adjustment (change .jpg to .JPG). Then got the page running.

Then I made a new git repository that has the coursework and the project files both. The deployed webpages run from separate individual repositories but for the evaluation of the course I return this one repository. The other repositories are public and can be accessed through my profile or through links provided in the coursework and project readme files.

Next up is videos of the deployed webpages and then uploading this file to the course repository.

Overall, this was fun, but really short course, took me less than a week. The video tutorials were really good.

Thank you.