

LEARNING DIARY, FRONT-END MODULE

Lappeenrannan teknillinen yliopisto

Software Development Skills Front-End, Online course

Juho Rekonen, 441410

Date : 15.4.2024

Activity : Setting up the environment + reading the course instructions and evaluation criteria

Learning outcome: Downloaded the VSCode extensions recommended in the beginning of the first lecture video and practiced some basic Git version control using CLI Git Bash.

Date : 16.4.2024

Activity : Watched the following lecture videos + creating my project along the way:

Part 1: Introduction to workflow and sass

Part 2: Homepage and Core Sass/CSS

Part 3: Rotating Menu Button

Part 4: Menu Overlay & Responsiveness

Learning outcome: Learned how to create sass files and use them with CSS files, how to create basic HTML, CSS, and JS code to create a user-interface. Also learned how to make rotating button along with a responsive overlay that works with different screen sizes.

Date : 17.4.2024

Activity : Watched the following lecture videos + creating my project along the way:

Part 5: Page With CSS Grid

Part 6: Work and Contact Pages

Learning outcome: Learned more about CSS programming like creating functions and effects + adding CSS grid template to display multiple areas, and using flexbox. Also learned how to create a copyright symbol on a HTML file using foobar.

Date : 19.4.2024

Activity : Watched the final lecture video (Part 7: Website Deployment), deployed my own website, pushed the project to my GitHub repository and recorded a video showcasing the website and it's functionalities. I also edited the default text paragraphs and changed the images to my own images.

Learning outcome: Learned how to deploy my website and how to push files into GitHub repository by using VSCode terminal.

LEARNING DIARY

15.4.2024

I checked the general information about the course and understood the contents and evaluation criteria of this course. I chose the front-end module because I'm going to complete all the Software Development Skill -courses and wanted to start with this one. I set up the VSCode environment and made sure that everything including the extensions are correctly installed. I used the Git Bash to initialize a new repository and practiced version control.

16.4.2024

From following the first video I started creating the index.html and downloaded node sass to compile scss files to CSS, and started working on main.scss file. I also learned that you can create a hidden file .gitignore to include folders/files that you don't want GitHub to keep track off.

From following the second video I started working on the main page and the menu page with classes, items, and headers, downloading FontAwesome icons to display my socials on the main page with a hover effect changing the background colors. I also learned to write scss code to modify html elements like headings and body. For the hover effect I used a mixin and learned why they are more efficient to use if the same effect are used many times. Then I added a background to the main page and edited the overlay to make the main page look like it is supposed to. Finally, I moved my variables and mixin to a config file.

From following the third video I learned how to create a rotating menu button using button lines and a rotation effect. By using JavaScript I made the menu button show my image and

other pages by clicking. By rotating the menu button into an X I learned how transforming objects in scss works and the difference between rotate and translate functions.

From following the fourth video I created the menu overlay with opacity, that when a user clicks the menu button, the overlay opens in a way that my image comes from the bottom and the navigation side comes from the top. The hover effect was yet again applied to these navigation buttons that lead to different pages. Finally, I worked on the responsiveness of the website by creating media query mixins to support four different screen sizes.

17.4.2024

From following the fifth video I created a function to change background colors of the website depending on the brightness level of the current primary color. After that I started working on the “About me” page by using CSS Grid to create a 3 x 2 grid to display image and text sections. In the scss file I used a grid template areas to map the elements to specific positions in the grid. I also edited the elements to look like they are supposed to so I changed colors, padding, borders, and spacing. Creating the “About me” page was definitely the most fun and interesting part of the project so far. I also edited the grid template to display the areas differently when using a smaller screen device.

From following the sixth video I only had the work page and contacts page left to create. In the work page, the different projects were displayed once again by using the CSS grid template. Below the projects I created buttons that change colors once hovered over. The buttons were made to display as a block, so on top of each other. Before moving on to the last page, I made the work page responsive the same way I made the others. The “Contacts” page was made by using Flexbox to display three different contact information boxes. At this point, I just used the same default text that was used in the video lecture since I wanted to change the information only after the final video. The information boxes were once again made responsive to wrap differently (a.k.a. having different number of boxes at one level) depending on the screen size.

19.4.2024

I watched the final video about deploying the finalized website to GitHub. Before pushing the project to my GitHub, I changed all the default texts to be about me. This includes the “About me” page and “Contacts” page since I am going to edit the “Work” page later. I added links to my social media pages. I followed the lecture video to download gh-pages using npm, and finally by modifying the package file I added a script to run my website. Finally, I recorded a short video using OBS where I showcase the website and show that everything works even with small screen size. The course is now over.