Lappeenrannan teknillinen yliopisto

LUT School of Engineering Sciences

Software Development Skills Front-End, Online course

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1 LEARNING DIARY, INTRODUCTION TO WORKFLOW AND SASS MODULE

22.10.2023-23.10.2023
Activity:

Environment setup: download git and node.js. Watching video lectures and self-practicing.

Learning outcome:

I learned how to use the basic functions of git including both creating a local repository and linking the local repository to the remote repository (GitHub in my case). I also learned how to download node modules of Sass into my project and how to set up a workflow that constantly translates Sass files into CSS files with the help of npm commands offered by node.js. I learned that translation is important in this case as the browser can also run CSS scripts.

2 LEARNING DIARY, HOMEPAGE AND CORE SASS/CSS

25.10.2023-26.10.2023
Activity:

Watching lecture videos, self-practicing

Learning outcome:

In this module, I learned many interesting features in SASS. I was familiar with HTML and CSS, but SASS was something new to me. I learned how to utilize nested selector in SASS (add “&” to select the class attached to that element and without “&” to select the class inside that element). I also learned how to set and use variables using “$” and mixins (similar to functions in programming languages) using “@mixin” and “include”. Additionally, I learned @if which resembles the if

statement in programming languages. All above shows why SASS is “syntactically awesome”. Apart from syntax of SASS, I also learned a new approach to create a filter of a background image using pseudo element. Before taking the course, I often create a separate div to make the filter. Now, I feel it is more efficient to use a pseudo element instead of a div to achieve the same effect. Lastly, I learned how to put all the variables and mixins into a _config.scss file and import that in main.scss to make the code cleaner.

3 LEARNING DIARY, ROTATING MENU BUTTON

4.11.2023-5.11.2023
Activity:
Watching lecture videos, self-practicing
Learning outcome:
I learned how to use JavaScript to dynamically add class to html tags. I learned how to create simple animation for menu button using scss.

4 LEARNING DIARY, MENU OVERLAY & RESPONSIVENESS

19.11.2023
Activity:
Watching lecture videos, self-practicing
Learning outcome:
This chapter is more challenging than previous ones as it contains more knowledge in scss. But I really learned a lot. I learned how to place menu and branding side by side and add animation to them when the menu button is clicked. I learned how to delay animation separately for links using for loop in scss. I also learned how to create media queries effectively to achieve responsive design.

5 LEARNING DIARY, PAGE WITH CSS GRID

26.11.2023
Activity:
Watching lecture videos, self-practicing
Learning outcome:
This chapter focuses on creating “aboutme” page with grid. Grid is not new for me but it is quite helpful to learn how to use it in practice.

6 LEARNING DIARY, WORK AND CONTACT PAGES

27.11.2023
Activity:
Watching lecture videos, self-practicing
Learning outcome:

Multiple techniques such as grid and flexbox are used to construct work and contact page. The idea is similar to “aboutme” page but I get more familiar with layout techniques.

7 LEARNING DIARY, WEBSITE DEPLOYMENT

3.12.2023
Activity: Watching lecture videos, self-practicing
Learning outcome:

This chapter teaches how to deploy static websites onto the internet. I chose to use github pages as it is easy and free-of-charge. I published my portfolio website using github pages.

8 LEARNING DIARY, PROJECT WORK

7.12.2023 – 10.12.2023
The main part of the project was done incrementally while learning each chapter. During these three days, I added parallax effects to “aboutme” page. Also, several adjustments were made in order to provide better visual effects on small handhold devices. The project was deployed on 10.12.2023 using github pages.