Lappeenrannan teknillinen yliopisto

School of Business and Management

Software Development Skills

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LEARNING DIARY, <Software Development Skills: Front-End> 2020-21 Class.

**LEARNING DIARY**

07.12.2020  
  
First, I wish to acquire knowledge about software development skills because I have a passion for it. I enrolled in the course, read the course overview and general course information about the course for about three consecutive times in order to familiarize and get the main concepts about the course. I downloaded all recommended code editors suggested in environment setup in moodle, also Setup Git, and created a public repository in order to keep track of my code. Though the downloaded section took a long time, due to my internet speed, at last, I managed to get it done.

08.12.2020

In the first part, which is the introduction to workflow, and Sass, the instructor used the VS code app (visual studio code app), I followed the same process for getting the details about the beginning. The VS Code was recommended because it was faster, easy, and popularly known in the coder communities.

Along the line, I have to download node JS for the extension program needed. I learned that an NPM note is needed for the Sass. I tried to use the terminal app to open the VS code, but it did not work for me.

Hereafter, I have to open the VS Code, then installed the shell command in PATH before I could open the VS code through a terminal app on my computer. Sometimes I ran into some error during the workflow sass setup, which I have to google for the solution to rectify the problem. For example, I could not get git init running, which leads to the installation of the XCode.

Notwithstanding, in this first part, I could be able to acquire knowledge on how to set up a coding environment, the meaning of Sass [Syntactically awesome style sheets], which is the extension of CSS (Cascading Style Sheets), and processor scripting language. I was able to learn the appearance of responsive design.

09.12.2020

In the second part, which is the continuation from part 1 with series to build the Homepage, and Core Sass/CSS. I learned how to be sizing the words, setup the position, function of padding, Z-index, the effect of the transition of letters, images, or icons.

Also, I understood the functionality of vh and vw, which is a method for a slice or positioning the context. I was able to know some function keys such as headers, navigator, icons, color selection. Finally, I could be able to set up the homepage HTML, created the core Sass/CSS, and learned about the variables, nesting.

10.12.2020

I learned CSS transitions on how to rotate the button into an X, and the way to use JavaScript to handle the rotation. I understood the way CSS could be used to create a menu button.

I encounter a problem in the setup menu bar to rotate the menu bar in 180 degrees, I later discovered that I have a typographical error in naming my variables. I got to understand the transform CSS properties for rotating, translating, scaling through this website [https://developer.mozilla.org/en-US/docs/Web/CSS/transform]. I did the third commit, I was able to know about the important of transform in 3D translation through this website( <https://developer.mozilla.org/en-US/docs/Web/CSS/transform-function>).

11.12.2020

Under the task of menu overlay and responsiveness, I learned how to insert and change the appearance of letters, media query selectors with Sass mixins. Also, I was able to lay my hand on how to add branding and navigate to the site and create the menu overlay. I learned that it is a great idea to avoid typographical errors in programming variables because one typo error can cause mistakes, which can lead to frustration and time-consuming.

12.11.2020

I was able to learn how to adjust color for design, able to know the effect of opacity. I learned how to insert words into the design of web pages. Moreso, I acquired knowledge about grid template areas, the way to create pages by using a CSS grid, the method to map out the layout in the design, paragraph set up, and the method to add Sass styling.

I discovered that the grid in my design did not work the way it should, I have to check what happened, then got the experience that columns and rows should be in the form of array order.

14.12.2020

I learned about more steps to make a grid in CSS, properties of layouts, and how to use flexbox. Besides, to understand better how to use flexbox, I have to read about it online through this website (<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>). I was able to learn more about media queries in order to select the layouts.

15.12.2020

I commenced deeply on building my website through the CSS method. I have to learn more about how to make space between the words (<br>) and CSS box model through this website (https://code-boxx.com/add-spaces-html-css/).

I have to read more online through this website to get more understanding (<https://developer.mozilla.org/en-US/docs/Web/CSS>).

16.12.2020

After completing the task, to deploy to GitHub and Bitbucket, then produce the link for HTTP, it started to generate error code in the image below. To rectify this problem, several searches were done through Google, but to no avail.

Graphical user interface, text, application

Description automatically generated

17.12.2020

The previous problem persisted, the message was passed to the course forum for help, after reading likely problems by some people online. The published link of HTTP does not work. Also, I listen to a video and read somethings about the error code from this website (<https://stackoverflow.com/questions/11577147/how-to-fix-http-404-on-github-pages>)

(https://www.youtube.com/watch?v=SWYqp7iY\_Tc)

18-19.12.2020

Continue searching for a solution for publishing the link. I finally got a solution through the same website searched on 17.12.2020, which refers to add index.html at the repository file name.