Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

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**LEARNING DIARY**

**Learning diary 1**

03. April.2022

I checked the general information and understood the main focus of the course, which is This lecture introduction about Html, CSS, SASS, and a little bit of JavaScript and workflow setup.

The example video has four pages, and he has clarified each of the pages' CSS code and how the animation is working or what kind of CSS he has used (for example, in his example work page, he has used grid CSS). I have also learned about a responsive website and how it responds to different sizes of windows. I have also learned how to install node js and Git version control.

**Learning diary 2**

08. April.2022

In this part of the tutorial, I have learned a lot about website layout creation; he has used mostly SASS format as well traditional CSS format. I have learned both. Also, he has shown how to connect the SASS file to the node module and how to autoload work.

**Learning diary 3**

23.April.2022

This lecture was pretty straightforward. Mostly worked on how to make a toggle navigation bar. To do that, he has used JavaScript, so first, he has added a click event listener for the menu icon. Then he wrote code for add and remove classes (mainly used two classes). The first class will add expand the menu and overlay; the second class will close the menu. I have also done the same for my practice but with a different JavaScript library that came with bootstrap CSS.

**Learning diary 4**

23.April.2022

In this lecture, I learned about overlay and menu responsiveness. Overlay menus are a fairly common concept in mobile web design, where the screen space is limited. Overlay **allows us to show new content on top of other content**. Here, the teacher also used transform CSS and delay to make a cooler effect. Overlays are very similar to links, except they have a transparent background and appear on top of the original page.

**Learning diary 5 and 6**

03.May.2022

In these two lecture, the teacher showed mainly two ideas of layout creation. The first one is Grid layout which is An HTML element that becomes a grid container when its display property is set to grid or inline-grid. The CSS Grid Layout Module offers a grid-based layout system with rows and columns, making it easier to design web pages without using floats and positioning. Other hand, The Flexible Box Layout Module makes it easier to design flexible, responsive layout structures without using float or positioning.

**Learning diary 7**

03.May.2022

In this lecture, I learned how to deploy the project. Basically, the teacher showed how to deploy static webpages to GitHub. However, to change the domain name, we can use a real domain that we can buy. He mentioned NameCheap, and I also have a domain that I bought from NameCheap as well. For advanced learning, I have deployed my project to a real hosting place that I have bought from NameCheap while buying a real domain as well.

**Additional lecture Parallax**

05.May.2022

In this lecture, I learned about setting parallax background, which is scrolling in a web design technique in which the website background moves at a slower pace than the foreground. This results in a 3D effect as visitors scroll down the site, adding a sense of depth and creating a more immersive browsing experience. Parallax is based on optical illusion. I have used a background image and placed background-attachment: fixed; as CSS.