Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

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LEARNING DIARY, Software Development Skills: Front-End 2020-21

LEARNING DIARY

15.2.2021

I went through the general course information and set up my environment. I was familiar with the setup and had used the tools before. I chose the course to help me develop my gaming project further and enhance the front-end development skills. I had not used the sass before and I was pleased to notice the ease of use and effectiveness of the tools.

7.3.2021

Getting the idea of css programming and sass features. Studied the first introductory modules and managed to imitate the educational web site. Understood the link between html elements (class and id) and css styles.

8.3.2021

Focusing on Sass basics such as variables, @mixin and @include, as well as studying the css features. Starting to understand how vast and powerful tools css is for accelerating web development compare to the old school html and javascript tools.

9.3.2021

Understood the basics of the responsiveness and how to page structure should be designed. Tested the different design patters for building menus and understood the css grid idea.

11.3.2021

Completing the exercise project according to the tutorial. Learnt to extend classes similar to traditional object oriented programming. Studied the Font Awesome concept further and learnt to deploy the fonts required using sass. Learnt to deploy website to GitHub Pages.

Installed and tested OBS for video production to meet the course requirements. Fixing the blank window problem and managed to define a correct setup for macOS.

14.-15.3.2021

Studied alternative website layouts to get ideas for the own project. Studied the basics of parallax, slideshow, gaussian blur, horizontal scrolling, colorless design etc.

Drafting the sketch of the project website.

19.3.2021

Planning and setting up the project development environment. Managed to utilise the key concepts from the my portfolio project.

22.3.2021

Studied and built how to build responsive top menus. Developed the menu with flex box effect. Menu items are visible for wide screens and menu transforms into a menu button for smaller screens. Struggled to make the logo visible in both cases and tested both the alternative implementation ways: as an image in a div tag or as a background image linked with a div tag. The latter approach turned out to be more flexible way of implementing the effect.

23.3.2021

Studied the different overlay techniques for background image and its layout. Focused on gradient and transparent overlays with ellipsis forms. Figured out how to fix the background image even if the page contains more content that can be shown on a single view. The effect looks like the background image is alive even though only the visible area changes.

Finalize the front page layout using the my portfolio layout.

25.3.2021

Built the services page where the only part of the contents is visible when entering the page. Tested the different attributes and learnt how to change the shape of elements. Studied different ways of the implementing read more… and show less… functionality. Came into a conclusion that span-tag with specific id is the most appropriate solution for the purpose when there is a limited and fixed number of elements on the page.

It took some time to figure out the specific features on grid areas and especially the content positioning with a single grid area. Finally found out the way of implementing read more -option so that only one box expands at a time and others keep their current status.

27.3.2021

Implemented the ways of working page. I browsed different ideas for nice effects and came across with pictures with some text on top and when moving the cursor over the image, it will transform into info box. Gofore plc. had similar presentation of their services. I combined the learning from the previous sections (hide, transitions, hover etc.) and created and sequence, where the info text becomes visible (from fully transparent to completely non-transparent) when the pointer hover over the element, background changes from picture to white background.

30.3.2021

Implemented simple contact page with contact from with some built-in validity controls. The contact form operates via user mail without any back-end functionality. Some of the code originates from a site where different contact forms where presented.

8.4.2021

Finalized the page and carried out some adjustments for smaller screens.

Refreshed skills on git and GitHub. Created a repository and managed to deploy the site to github.io.