Lappeenrannan teknillinen yliopisto

LUT University (Software and Systems Engineering)

Software Development Skills Front-End, Online course

<Cheng Xiao>, <000205999>

LEARNING DIARY

Date : (27.6.2023)

Activity : Responsive Portfolio Website [1] - Intro & Sass Workflow Setup

Learning outcome:

I reviewed the general information and learned the focus of the course. I installed Git, created an account in bitbucket and created a repository according to the course instructions. I chose VS Code as my editor for the future. I installed nodeJS according to the instructions in the video. There was a hiccup in the installation of Bracket Pair Colorizer (extension of vscode) and I was told that this extension is deprecated because this feature is now built into VS Code. I configured the settings to use the feature.  
Then I followed the video to learn the basic workflow for creating pages. Also I had an error when creating the .gitignore file using the terminal command. So I created it directly in the directory. I ended up trying to upload what I learned today to my bitbucket, but failed.

Date : (6.7.2023)

Activity : Successful Push

Learning outcome:

After checking various posts, I realized that it was my bitbucket that hadn't added the SSH key. after adding it, I successfully pushed what I learned the first time around to the bitbucket via git bash.

Date : (12.7.2023)

Activity : Responsive Portfolio Website [2] - Homepage & Main Sass

Learning outcome:

I followed the tutorial in Lesson 2 to complete the new learning section.  
While using the icon suite from the fontawesome website, I realized that the webpage doesn't have the same interface as the tutorial's example due to a version update. The replicated content owned is also not quite similar, the new site gave me the js version and I tried to look for content with a .css suffix like in the video but couldn't find it. So I decided to try it first and it should work as the subsequent icons appear as normal. Halfway through, I don't know what went wrong, but the settings I had in main.scss didn't affect my main.css and web page settings, even though I made sure the code was the same. I then went back to the first section to check and realized that I was not running npm to make the compiled scss file output to css.  
Learned about various units (e.g. rem, vh), nesting and hovering of buttons, etc. and the use of mixins. Then I learned about setting backgrounds and the two ways to set background overlays (overlay and &:after). Finally I learned about splitting scss files to name (underline) and import.

Date : (13.7.2023)

Activity :

Responsive Portfolio Website [3] - Rotating Menu Button;

Responsive Portfolio Website [4] - Menu Overlay & Responsiveness

Learning outcome:

Today I learned how to make a menu, first I created a menu button, I used JavaScript because I needed to switch states, and I had a lot of fun learning how the menu button changes from three lines to a fork, and I did different transitions for each of the three lines in order to achieve a more vivid transition.  
  
Learned how to use translate3d to make a better transition in the interface. Learned the basic use of for loops in css and the use of loops to do different effects. Then we learned how to make the interface responsive and how to adjust the interface to have different layouts for different sizes.

Date : (20.7.2023)

Activity :

Responsive Portfolio Website [5]

Responsive Portfolio Website [6]

Learning outcome:

First I learned how to make the text color of the interface switch according to different color brightness so that the text can be visible against different brightness backgrounds.  
Then I followed the tutorial to create the About screen and learned how to use lorem to create a sample text and enter the number of words I wanted, which was really handy. Then I learned about grids. And footer creation and fixing. Finally, I dealt with responsive web pages.  
Then made the work interface, which is pretty much the same thing as the about interface. Ended up just making a simple CONTACT interface.

Date : (21.7.2023)

Activity :

Responsive Portfolio Website [7]

Initial production of project navigation bar

Learning outcome:

Lesson 7 teaches deploying a website using GitHub Pages. I started by uploading my code to bitbucket via git, but then I looked into it and realized that I could deploy my code to github and bitbucket separately, by doing a git remote add to add the github remote repository and then pushing it. Today I started working on my project assignments.  
  
I decided to make a page responsible for briefly introducing a certain cafe. I took inspiration for the layout from the website https://www.squarespace.com/. I wanted the navigation bar of the site to be horizontally laid out at the top, with the navigation changing from horizontal to vertical drop-down navigation when the window width of the page is reduced to a certain position, with buttons to toggling the display state, as I've learned in the course.

Date : (22.7.2023)

Activity :

Navigation bar is basically complete, home page basic production

Learning outcome:

It took me quite a bit of time to work on the top of the navigation bar. After doing the basic idea, I also wanted my horizontal navigation bar to stay fixed at the top when scrolling down the page. I learned this part from this video at https://www.youtube.com/watch?v=axQ7eN2oPu0 and successfully implemented it. Next I created the initial home page main section. I wanted this page to have two main sections, one with the intro and reservation button in the first image, and the other with a more detailed description of the coffee shop. The first section was completed today.

Date : (23.7.2023)

Activity :

Add changes to the navigation bar, home page complete

Learning outcome:

Today I'm working on the second part of the home page, which uses a lot of images, and I'd like it to be responsive while allowing the images to scroll up horizontally. I think it will be more aesthetically pleasing. I learned about horizontal scrolling of images from the video https://www.youtube.com/watch?v=JOdpkAJVub0. Also I want the text color of my navigation bar to change to another color when I switch to another page. It took me a lot of time on this element, I could only have the text color change on one page at first, and it failed after switching pages. When I almost gave up I finally managed to finish it based on the information I searched for.

Date : (24.7.2023)

Activity :

Creating a contact page

Learning outcome:

Today I made minor changes to the home page and finished the contact page. I've worked my way through many of the difficulties I've encountered and I got a lot out of this project assignment. I decided to deploy my page and record a video to submit for the assignment. Most of the images on my page are from Pexels free images. To be honest finding some good looking adapted pictures wasn't as easy as I thought it would be.