Lappeenrannan teknillinen yliopisto

Name of your school goes here (School of Business and Management)

LUT university – School of Business and Management

Software Development Skills Front-End, Online course

Martin Bárta, 002525033

LEARNING DIARY, COURSE OVERVIEW

Date : 29.10.2024
Activity : Moodle page

I first checked out the General Course Information tab to understand what the learning outcome and requirements of the course will be. I looked through all the tabs and read what it is about. I also opened the YouTube exercise video to find out what the finished product is supposed to look like and I watched the introduction to the project. Since I am familiar with programming, I understood what the project will be like and I was happy to see some professional looking website I will create. I also have the subject of Introduction to Web programming so I realized that many things will already make sense to me and I could hopefully follow along quite easily and I will understand most of the things being done at first.

LEARNING DIARY, IDE SETUP

Date : 30.10.2024
Activity : Video

I started watching the video and planning what will need to be done. I immediately created a new GitHub repository and I cloned the repo to my laptop. I prefer to use Visual Code Studio so I already had that setup and I am mostly familiar with git, so this part was without a problem. I was glad that the presenter is doing the project in VSC as well, because I can learn some quick shortcuts and best practices when using this IDE. I tried to learn it by myself before, but the amount of "tips and tricks" for using VSC is really overwhelming and it can be really hard, without some proper examples and practical use on a project like this one. Before coding I looked at the Figma file as well, because I didn't really have a chance before to look at a "professional" Figma file before. It was also

interesting when the guy said that in the real world you could just get this file and your task as a Frontend engineer would be to make it work. So it was nice to connect this with a real task. I also downloaded the images in the images folder before doing the coding itself.

LEARNING DIARY, BASE HTML AND CSS

Date : 30.10.2024
Activity : Video

After my IDE and Git were set up, I could start following the video and doing the things myself. The base HTML and CSS was pretty standard and nothing new in terms of elements was there. I was quite surprised how many nested divs were needed for the code to be reusable and make sense. I was getting lost sometimes because of these divs. I learned a lot of new stuff there though, for example that the syntax ".container" adds the class of container to a div and I don't have to write the marks and elements and VSC takes care of that for me. I also installed Prettier extension as recommended in the tutorial and it really makes the code look better and takes care of formatting for me. In this part I also imported the font without any troubles, though the Google font page was a bit different for me, maybe due to new versions between now and when the tutorial was shot. The CSS part was also very familiar, but I learned for example that is is good to create a * CSS for box-sizing, margin and padding so there is a clean starting ground. I struggled with this when doing HTML and CSS projects before, so it was nice to see some best practices. Also commenting CSS file didn't really occur to me before, but I realized it makes a lot of sense. Last time I got pretty lost when the CSS file got bigger and after few days I was forgetting why some parameters are even there, so commenting at least the parts makes it more readable.

LEARNING DIARY, NAVBAR CSS

Date : 30.10.2024
Activity : Video

When creating the CSS for the navbar I learned that there can be variables in CSS, which seems really useful to me and I didn't know I could do that. I also refreshed my memory in this part on CSS syntax like :hover, :last-child etc. and it was nice to hear someone explain it and see the outcome right away.

LEARNING DIARY, CONTAINERS

Date : 31.10.2024
Activity : Video

I already knew about relative sizes of fonts, but it was really informative and explained well in the tutorial. I was sometimes struggling to picture it in my head and memorize how all these things work together, so it was good to hear it. In the creation of the second container, I didn't understand how is he creating comments in the code so fast so I had to

google if there is maybe some shortcut to do that and there is, of course. This was new to me, and it saves a lot of time, because sometimes I would be too lazy to comment my code, because it seemed like a lot of typing, but when there is a simple "command+/" it makes it a lot easier for me. When I created the third container I learned, that headings have default margin on top and bottom and I need to remember that, otherwise there could be some unwanted lines when I change the background for example. I also realized that it is a good practice to create and use those utility classes as shown in the tutorial, it makes the code reusable, and it makes a lot of sense. I also had some problems in this part, because I wasn't putting the CSS definitions in the correct order, and I was overwriting some settings. This made me realize and learn, that CSS is compiled top to bottom and I must pay attention on where am I putting the definitions. It was also good to learn that a good practice is to use definitions of the whole embedded part (like .pricing .pricing-text).

LEARNING DIARY, FAQ

Date : 31.10.2024
Activity : Video

When working on the FAQ part I was getting lost a bit, because the tutorial was pretty fast. Even though I knew about absolute and relative positions it was quite hard to comprehend the displaying of the FAQ bodies. The open class made sense when I thought about it, but at first, I wasn't sure why are we doing that.

LEARNING DIARY, FAQ JS

Date : 1.11.2024
Activity : Video

The JavaScript was really well explained in my opinion, especially the part when the event object was used in a function. The guy in the video explained what it is for and showed examples. I used this object before, but to be honest I was never 100% sure how it works and if my code will work or not. I also learned new method .closest() which I didn't know even existed. Also using parent element was new to me, but it made a lot of sense when I used it to save it to a variable. Another new think for me in this part was the classList and toggle combination, which made the whole logic and functionality straightforward.

LEARNING DIARY, FOOTER

Date : 2.11.2024
Activity : Video

In this part I learned, that I can use not only .container for creating a div with given class, but also for example input:email to set the type of an input element and speed up the writing process. I run into some problems in this part with embedded divs, because VSC sometimes creates the end mark automatically and there was suddenly something wrong, because my CSS wasn't working. Once I counted the divs and wrote them correctly, the

CSS rules took place, and it worked. It was also nice to use Prettier as a quick "debugger", because I could see that there is something wrong, because of the red exclamation mark of this extension. But as I said, once I figured this out, the footer started acting like a grid and it worked just fine.

LEARNING DIARY, HAMBURGER MENU AND RESPONSIVENESS

Date : 2.11.2024
Activity : Video

In this part I learned that I can also use # to quickly set the id of an element when typing in VSC. I was also surprised how can the guy copy lines so quickly, and I googled and found out I can use the shortcut Option-Shift-ArrowDown to copy the line under the current one, which is very useful. I also refreshed my knowledge of the media queries and learned about z-index, which was used as a layering tool for the elements. I also learned how the transition can be used in CSS which was interesting. This process was a little bit too advanced at the time, because the CSS rules were created in advance to the logic, so I was just writing the rules without seeing the results at some times, which makes the coding process a bit confusing sometimes. In the end it worked though, and it makes sense now. I also reminded myself of how important it is to write reusable code and CSS, because the whole responsiveness process was really logical and quick, because the classes etc. all used the same logic and syntax.

LEARNING DIARY, SLIDESHOW AND DEPLOYMENT

Date : 2.11.2024
Activity : Videos, Netlify

To add something unique to the page as instructed in the course I decided to add a slideshow of pictures to support the product. This was really nice and I am glad I could try to create something like that. I followed video in the course module for this and I got stuck for some time, because the slides were not working. After I created a new project and tried it on a clean page, it still didn't work and I later found out the problem was in my CSS, because I was accessing the slides as classes. I guess I was just used to mainly make settings to classes and I did it automatically and that lost me some time. In the end I figured it out and it works. The last part was deploying the app to Netlify, which was pretty straightforward, and I just connected my Git repo with this tool and followed the guide on how to deploy an app. The app was successfully deployed and I could see the result on an actual URL.