

Lappeenrannan teknillinen yliopisto
School of Business and Management

Software Development Skills

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LEARNING DIARY, FRONT-END MODULE

LEARNING DIARY

04.05.2021

I read the General Course Information page and the Environment Setup page. I chose VS Code since that was used in the example videos and it seemed like a versatile editor. As version control, I chose Git since I have used it a little before.

I watched the first video and followed the code as shown. I ran into some problems when it came to Node-sass since it has been discontinued and only supports up till Node 15.0 and the latest node version that I installed was 16.0. So, I then decided to install Dart-sass. The problem being the command line commands were different from the video and without examples it was pretty hard to find what I needed to do, but I managed to get it working. I only hope that the missing recursive option will not complicate matters too much. So far, I have noticed that dart-sass also created a map file for the css file. I don't yet know what that means or if that is bad, but time will tell, I hope. So far, I haven't pushed the code to my actual repository, but following the videos it will be shown, I think. If not, then I'll just need to search the net for how to connect to my repository.

Second video lots of new information about html since I haven't really used it before but seems pretty similar to xml I used in Android Studio. Got into trouble with Font Awesome since they don't include the CDN anymore. So, I had to get the link from the example's git repository. Still kind of unsure what CSS and sass are, but I know that sass is used to generate css files. Learned about mixin functions, some units and about scss files in general. Doesn't seem too complicated at the moment. Wouldn't say I could do a website yet, but there has been nothing I haven't yet understood. Made a new commit still haven't pushed anything to my repository since connecting to repository was not yet shown.

Video 3 introduced javascript which I have never touched before, but it seems to have pretty cool functions. It reminds me of a mix of python and java. Javascript wasn't really used much yet, but the things that I did notice was that no variable types were set and instead of access modifiers like in java the variables were given types const which is constant and let

which can be modified. Other than that, I used inspect element for the first time on purpose instead of accident and followed the video. Third local commit no push to be seen.

Video 4 introduced responsive design which wasn't really taught in the object-oriented coding course. So, I'm happy for that. Did a small mistake while coding which took 2 minutes to figure out. I had put `".main"` when it should have been just `"main"`. Website is starting to look pretty good, but I'm kind of confused by the example videos inconsistency in some small parts like he used `"main#home h1 {"` which is different than what he used earlier. It's probably few lines shorter, but why didn't he use it earlier in that case? There have been few other small inconsistencies like why sometimes he uses `vh` unit and other times `%` aren't they basically the same. Finally decided to connect my Git repository to VS Code and pushed my commits there.

05.05.2021

Video 5 was smooth sailing. Grid-template-areas seems like good and easy way to organize views and the responsive media queries are awesome. I noticed a mistake in the code that wasn't yet fixed but I'm sure he will fix it in the next few videos. Going to home screen doesn't work at the moment, but the fix was easy I just needed to add `index.html` to the href link. I also wonder if the calc to get the sticky footer is required. Couldn't you just attach the footer to the bottom I guess I will have to try that when I'm creating the project for this course.

Video 6 went mostly well. Sticky footer didn't work when screen is maximum size on contacts page. Searched the net for answers but answers were more complex than I had hoped or required a lot of re organizing so I chose to do that when I do my project. Then I decided to compare my code to the git repository of the example and found out I had used the min-height part in the body instead of the main part. I will probably try to do more flex on my project since that seems to be better structure and allows easy responsiveness.

Video 7 deployed my exercise to github had no problems. But for some reason footer doesn't work correctly on github but does with Live Server. Also, some things I didn't like with the example is that the picture in menu is also transparent I wish that was solid. Small heading

background is across the whole screen instead of padding to the text. Projects page isn't my favorite. Other than those I'm pretty happy with the results.

06.05.2021

Started my project. First, I copied everything I made in the exercise to act as a starting point. First, I wanted to fix the sm-header background that spans the entire screen while I wanted it to cover just the text. This took some time and was way harder than I thought since using background-size had no effect. Luckily after some googling and fiddling I found that using display: inline block worked. Then I fixed the profile picture being transparent in the menu. This was done by removing opacity and adding the background color as rgba and inputting the opacity there so that the children weren't affected. Also added hover effect on menu button. Don't really have an idea of what I want to do. Will probably search the net for inspiration. Might turn this into a real bio of me since it could be fun to read it some years later.

Decided to make projects into languages I have used since I like to try out different languages and it will be interesting to see how much I will learn in the future. Created a set-background-color function that will make depending on the lightness of the primary color either darken or lighten the background. Also added set-text-color function to some places like white borders and icons because they became invisible on light backgrounds.

Added pictures page with auto scrolling pictures. This proved to be biggest headache. Setting the animation was fine, but for some reason placing 4 pictures on top of each other while being responsive to the size was pretty difficult. I managed to make it work, but it isn't visually the most pleasing. It also isn't 100% responsive since I had to set the size of the pictures because they were very different sizes, so they don't scale which is probably the biggest reason for them not looking too good. Didn't do anything to contact page since I felt that it doesn't need anything more. Changing the colors should work better than in the example.

Had some problems with my repository don't really know what happened, but I was able to push commit into it, but when I tried to deploy it claimed no remote even though I had a

remote. Anyways made a new repository and initialized again and it worked. When reviewing my deployed page I noticed the pictures page slides weren't working. Don't know why when they work on the Live Server and the git repository had my slide 1 - 4 pictures.