



LUT School of Engineering Science

Lappeenrannan teknillinen yliopisto

Software Development Skills Front-End, Online course

2024-2025

Learning diary

22.06.2025

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LEARNING DIARY Introduction and Base HTML MODULE

Date : 11.4.2025

I familiarized myself with the course content and requirements. I already had a coding environment set up, which is Visual Studio. I created a new Git repository using GitHub Desktop. I've used GitHub a few times before, but usually the files were shared with me. Today, I learned how to create one myself. I started watching the video and created the necessary files. I learned how to get a link from cdnjs for icons. I downloaded the Prettier extension. In Visual Studio, I enabled "format on save." I learned how to add a favicon. I also learned that you can create a class using a dot (.).

LEARNING DIARY Links and Core CSS MODULE

Date : 12.4.2025

I continued watching the video and started creating the front page using CSS. This module was somewhat familiar to me, and I was refreshing things I had forgotten, but I also learned something new. I learned how to create and use a CSS variable, and the hover effect was also new to me. There's always something new to learn.

LEARNING DIARY Buttons & Utility Classes MODULE

Date : 19.4.2025

I continued watching the video and started styling a button with CSS. I learned about the last-child selector in CSS, which targets the last child element, in this case, the last li element. In this module, I created a front page that included images and buttons. It was nice to follow along, but it would be even more fun to try using CSS in my own project.

LEARNING DIARY CSS Grid & Cards MODULE

Date : 24.5.2025

In this section, I learned how to create cards side by side by following the video. The repeat function in CSS Grid was new to me, and it helped me avoid repetition. I also learned how to use nth-child, which allows me to select a specific element based on its position, for example, in a list.

LEARNING DIARY FAQ elements MODULE

Date : 4.6.2025

I continued watching the video and learned how to create FAQ elements where only one answer is visible at a time while the others stay hidden. The video also covered `e.target` -> console click, which I learned as well. In this section, I also created a footer, and added social media icons, which was new to me. I tried adding other social media platforms just to test, and they worked too (e.g., Facebook)!

LEARNING DIARY Mobile Menu & Responsiveness MODULE

Date : 6.6.2025

I noticed that I hadn't uploaded the code for the two previous modules to GitHub. I updated the code to GitHub and then continued watching the video and writing code.

Date : 13.6.2025

I continued watching the video and kept writing code. In this section, I reviewed how to make a site responsive for mobile using media queries. One new thing I learned was the `>` selector, which allows you to directly target a specific element. While following the video, I felt like I started to see things from a different perspective, not so narrowly. For example, I initially thought the grids looked fine for mobile as they were, but with just a few adjustments shown in the video, they looked much better.

I watched the video to the end and uploaded the code to GitHub, but I didn't deploy it yet, as I noticed that the next section covers deployment. At the end of the video, the site *iCodeThis* was mentioned, and it seemed useful. I plan to explore it further.

LEARNING DIARY Website Deployment MODULE

Date : 16.6.2025

I watched the video and had the assignment uploaded to GitHub, but I couldn't publish it using the `npm i gh-pages` command, as it created a mostly empty `package.json` file. I tried adding things manually and running it, but it didn't work. I asked ChatGPT how to create a basic `package.json` file and got the command `npm init -y`, which created a more complete `package.json` compared to the earlier one that had only three lines. I also asked ChatGPT how to deploy a project using GitHub Pages. The suggestion was to run `npm`

install --save-dev gh-pages. Interestingly, the homepage field was already included in my package.json (in the video, it had to be added manually). However, it still didn't work, and at one point, I accidentally deleted all of my code, which caused a bit of a panic but fortunately, I was able to download it again from GitHub.

After that, I didn't dare try GitHub Pages again and decided to use Netlify instead, based on the previous video. Even with Netlify, I had to try a few times before it worked, because I didn't realize I needed to set the base directory to Exercise_materials/SAAS-Website, while the video didn't mention needing to enter anything there. I also changed the name of the link. The assignment is now published, and the link is:

<https://destiniu-github-exercise-saas.netlify.app>

Later, I asked a friend how to deploy the site without using Netlify, and they gave me advice on how to deploy it through GitHub.

LEARNING DIARY Project MODULE

Date : 20.6.2025

I asked ChatGPT for advice on how to get started with the project. I received guidance on understanding the assignment and organizing the GitHub structure. I initially had an Exercise folder with a separate SAAS folder inside it. I deleted the SAAS folder and created a new project folder alongside Exercise, where I copied the contents of Exercise. I added navigation links to the top bar (Home, About Us, Blog, and Login). I created the About Us page using a parallax effect based on the video from Moodle. I added three images from the Freepik website. On the About Us page, I used a grid layout. I also created a login page with a login box, which uses flexbox for layout.

Date: 21.6.2025

I continued working on the project by building the blog section. I added a slideshow using the example from Moodle, but made some changes — for example, I used opacity for the effect. I also asked ChatGPT for advice on the layout and CSS to achieve the look I wanted based on my own preferences.

Date: 22.6.2025

I deployed the project to a website, recorded a video of it on YouTube, and wrote the README section. I'm now submitting the assignment.

Link for website: <https://destiniu.github.io/FrontEnd25/>