

Lappeenranta teknillinen yliopisto
School of Business and Management

Anytime-course: Software Development Skills: Front-End 2021-22

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LEARNING DIARY, “Front-End 2021-22” MODULE

CT70A9110 Software Development Skills: Front-End

LEARNING DIARY

17.1.2022

I went through the course overview, general course information and environment setup and understood the objectives and its coverage. I set up a new repository in github.com and named it LUT-Front-End-2021-22. I am using Visual Studio Code for code editing. Git smoothing set up in vs code.

For the Frontend section. I checked the **Part 1: Introduction to workflow and sass** video and learned how to set up a working environment and make a simple webpage using html, scss, css. I learned how to install scss and work with it. I learned about the various useful vs code extensions for frontend programming.

From **Part 2: Homepage and Core Sass/CSS** video, I learned how to use html and scss, mixin, imports, conditions and nesting in scss. I learn about html markups header, main, nav, ul, links and overlaying. I learned to format the frontend.

18.1.2022

I went through the video **Part 3: Rotating Menu Button**, in which I learned about the use of javascript, how to use and handle event listeners and various other javascript inbuilt functions. In sass, I learned to transform the menu button divisions. I learned to use rotate and translate to rotate the existing line of a menu button to form the cross icon.

20.1.2022

In **Part 4: Menu Overlay & Responsiveness** video, I learned about the menu overlay. The page was made responsive for various screen sizes. SASS mixins were created using CSS media query to make screen responsive. The Css 3d translation was used to form the transform animation on menu click.

Part 5: Page With CSS Grid video showed how to work with css grid to align the html elements stacked in grid format. In this video, “about” page was created. CSS

grid-template-areas was used to define the grid layout areas. The footer of the page was fixed at the bottom using calc function of css in the view height of the page.

24.1.2022

I check the **Part 6: Work and Contact Pages** video which guide to use to flex and grid in css for making the work and contact pages.

In **Part 7: Website Deployment**, the video provides a guide to deploy the page in github pages using gh-pages which is a CLI to deploy the page to github pages. The gh-pages need to be installed using npm so that the gh-pages command can be used in package.json to run the deployment command then go to the homepage that is specified in the package.json to get the website online. We can also add our custom domain name in the github setting to get it on to whatever domain name we want. Other cheaper domain name registering sites include namecheap.com and managed hosting accounts.