

Lappeenranta teknillinen yliopisto

Software Development Skills Front-End, Online course

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LEARNING DIARY, <CHOSEN MODULE NAME> MODULE

Date : 15.11.2025

Activity : Week 1

During the first week I started the course by checking the general information and course instructions on Moodle. After that I jumped straight into watching the lecture videos, starting with Week 1 (Introduction and Base HTML).

Learning outcome:

I am already familiar with most of the tools introduced, such as VS Code, Git and basic HTML structure. However, for learning purposes I created a small exercise page (week1-base-html) where I practiced using semantic tags like <header>, <main> and <footer>. On this page I wrote short text about what responsive design means and organised the content with headings and lists. Even though the content was simple, it reminded me how important a clean HTML structure is before adding any styling. This also helped me warm up my workflow for the rest of the module.

Date: 17.11.2025

Activity : Week 2

In Week 2 I continued with the videos about links, core CSS and buttons. The focus was on separating structure (HTML) from styling (CSS) and starting to reuse styles.

Learning outcome:

For this week I created an exercise in the folder Exercises/Week2. I built a small page with a header, simple navigation links and a hero section. I moved all styling into a separate

styles.css file, where I defined base styles for the body, a .container utility class, and a basic horizontal navigation.

I also practised creating reusable button styles using classes like .btn, .btn--primary and .btn--outline. In addition, I created small spacing utilities (for example .mt-sm, .mt-lg, .mt-xl) to learn how utility classes can keep code cleaner.

Date: 19.11.2025

Activity: Week 3

Week 3 focused on CSS Grid and card layouts. The video examples showed how to create card sections that stay aligned and responsive.

Learning outcome:

I created a new exercise called Week 3. On this page I practised building a card-based layout for “cleaning packages” using CSS Grid. I used grid-template-columns: repeat(auto-fit, minmax(220px, 1fr)) so that the number of cards per row automatically adapts to the screen size.

Each card had a title and short description, with consistent padding, border radius and a soft box shadow. This exercise helped me understand how CSS Grid can replace many older layout tricks and still stay very readable.

Date : 21.11.2025

Activity : Week 4

Week 4 was about FAQ elements, adding basic interactivity with JavaScript, and making the layout responsive for mobile screens using media queries.

Learning outcome:

For this week I built Week 4 exercise, which contains two main parts: FAQ accordion and Mobile menu and media queries.

For the FAQ accordion part, I created a list of FAQ items. Each item has a button (.faq-question) and a hidden answer (.faq-answer). With a small JavaScript file (main.js), I added click handlers so that when a question is clicked, the answer smoothly expands by changing max-height. Only one answer stays open at a time. This gave me practical experience with simple DOM manipulation and class toggling.

Then for the Mobile menu and media queries, I implemented a responsive navigation bar with a “hamburger” button. On larger screens the links are shown horizontally. On smaller screens (under 768px) the navigation switches to a vertical dropdown that opens and closes by toggling a CSS class. I controlled this behaviour with a media query in styles.css and a small JavaScript snippet that adds/removes the .open class from the nav.

Overall, Week 4 tied everything together: HTML structure, CSS layout and JavaScript interactivity.

