Lappeenrannan teknillinen yliopisto

School of Software Engineering

Software Development Skills Front-End, Online course

Mingxuan Deng, 001214073

LEARNING DIARY

2025-05-02

Activity: I've watched the video "Introduction and Basic HTML (0:00)" and learned the environment setup and basic structure.

Learning Outcomes: I tried to create a project folder, created a simple HTML structure, and set up the Live Server extension for live previewing; I added web fonts and icon resources to the document head; I have not tested responsive design yet, only retained the desktop view, and will add media queries later.

2025-05-04

Activity: I watched the video "Links and Core CSS (19:20)", coded the homepage HTML and established the core CSS.

Learning Outcomes: I tried to design the first structure, including the navigation bar, container, logo, and main menu; in the stylesheet, I performed a global reset, defined the global font and base color, and defined custom properties for primary, light, and dark color schemes; I wrote out typical styles for buttons, links, lists, and containers to achieve an overall visual theme.

2025-05-09

Activity: I watched the video "Buttons and Utility Classes (31:00)" in order to find out the design of buttons and utility classes.

Learning Outcomes: I tried to create a few button styles like primary colors and alternative color variations and mastered layout and interaction of buttons; I created a set of utility classes for quick changing of text size, background color, and spacing of elements and provided reusable styles for future elements. I did not complete implementing a mobile menu, and took into consideration only the button and utility class styles.

2025-05-11

Activity: I watched the video "CSS Grid and Cards (56:00)" to see how to create cards and apply grid layout.

Learning Outcomes: I used CSS grid to arrange card components into rows and columns so that cards get arranged automatically and are evenly spread across different screen sizes; I did style the appearance, margins, and spacing of cards, and added buttons on the price card. Cards are mainly made of text and buttons, and responsive refactoring is reserved for subsequent chapters.

2025-05-15

Activity: I watched the FAQ Element (1:12:20) video and added an interactive FAQ element.

Learning Outcomes: I tried to add an FAQ section on the page and used JavaScript to switch the style class that makes the expand/collapse effect work; I added a footer section in a multi-column layout to display newsletter subscriptions, company information, resource links, and contact information, and applied consistent styles to input fields and buttons to maintain design consistency.

2025-05-18

Activity: I watched the Mobile Menu and Responsiveness (1:47:05) tutorial and implemented mobile adaptation and menu functionality.

Learning Outcomes: I tried to use media queries for screens with a width under 768px, to conceal the desktop's navigation and show a hamburger menu icon, and to utilize scripts to show/hide the menu. I tried to add responsive styling adjustments to main sections to make it layout-friendly, readable, and usable on small screen devices.

2025-05-22

Activity: I watched the "Website Deployment and Media Queries" segment of the video.

Learning Outcomes: I understood how to deploy my site using GitHub Pages.

2025-05-25

Activity: Write project assignments

Learning outcomes:

Today I mainly studied the source code in the link attached to the video in detail and build the basic HTML structure.

2025-05-25

Activity: Write project assignments

Learning outcomes:

Today I mainly completed the following functions. I added anchor links to the navigation bar so that users can jump directly to the corresponding page section after clicking on the navigation item. In the main body of the page, I added functional areas, including "Features", "Pricing", "Testimonials" and "Contact". Each section has a clear title and content display to ensure that the page structure is concise and easy to read.

2025-05-26

Activity: Write project assignments

Learning outcomes:

Today I mainly completed the following functions. I set a global style for the page, unified the margins and padding of each section, and ensured the consistency of the page layout through the box-sizing property. I used Flexbox and CSS Grid layout to adjust the layout of the page so that the navigation bar, feature cards, and price cards can perform well on different screen sizes.

2025-05-27

Activity: Write project assignments

Learning outcomes:

I implemented responsive design through media queries to ensure that the page layout can automatically adjust on mobile devices. For example, the navigation bar will switch from horizontal to vertical arrangement, and the card layout will switch to a single column on small-screen devices to ensure that the page has the best display effect on various devices.

I added a hamburger menu function for the mobile terminal. When the user clicks the menu button, the navigation bar will appear or hide, which enhances the user experience of the mobile terminal.

2025-05-29

Activity: Write project assignments

Learning outcomes:

I deployed to GitHub Pages.