**Software Development Skills**

**Learning diary**

**30.5.-30.7.2024**

**In your git repository there should be the following:**1. Your exercise materials  
2. Learning Diary  
3. Your Project  
4. ReadME how to run your project  
5. File including a link to a **video** of your project running

**[Part 1] - Introduction to workflow and sass**

1. You will learn to setup environment for coding

- The installation instructions, in addition to the courses Moodle page, were simple and easy to follow, but I stumbled upon some Windows related issues while doing this. Luckily the internet was very helpful on this and I managed to fix it easily by just installing other dependency.

2. What is sass and how to use it

- Sass is short for “Syntactically Awesome Style Sheets” which is an extension of CSS, which is used to make webpages. They control where and how objects appear on a webpage.

3. What responsive design looks like

- Responsive design means that the website elements adapt automatically to the current screen size. It looks “adaptive” for example when browser size, device, orientation, or screen changes.

**[Part 2] - Homepage and Core Sass/CSS**

1. In this part you will create the homepage HTML markup

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2. You will create the core Sass/CSS for the project

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3. You will learn about variables, nesting and more

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**[Part 3] - Rotating Menu Button**

1. In this part you will create pure CSS menu button

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2. You will add the JavaScript-code to handle the rotating

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3. You will learn to use CSS transitions to rotate the button into an X

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**[Part 4] - Menu Overlay & Responsiveness**

1. In this part you will create the menu overlay

2. You will also add media query Sass mixins

3. Learn to add branding and navigation to the site

**[Part 5] - Page With CSS Grid**

1. In this part you will create about page using CSS Grid

2. You will also add grid template areas to map out the layout.

3. You will also learn to add Sass styling and make the page responsive

**[Part 6] - Work and Contact Pages**

1. In this part you will learn more about CSS grid

2. You will learn how to use Flexbox

3. You will also learn the properties of both layouts

**[Part 7] - Website Deployment**

1. In this part you will learn to deploy your website with GitHub Pages

**Project – Cool website**

Explanation of the project and application explanations

1. Page with navigation

2. Responsive styles with CSS

3. Flexbox and CSS Grid

4. Deployed Website