**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

- In this part I faced some unexpected and major problems related to me changing the name of my folders and files (silly on my side). After 1-2h of hot fixing luckily, I got it to work. Other than that, the video was great and informative.

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

- Sass and CSS functions as base code, which enhances the capabilities of original languages. This includes colors, icons, etc. often seen in today’s websites

3. You will learn about variables, nesting and more

- Variables are like memory sticks which you set to certain value and they keep it if not changed. Nesting means structure where the below information is inside certain item, and thus does not show elsewhere.

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

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

- This was something that seemed very complex at the beginning but was very clearly explained by John in the video. JavaScript seems to work very effortlessly with the website design, which of course is very good to know.

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

- The code was professionally explained and worked as intended

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

- This functionality felt a bit niche for the starter video, but I guess it is a great showcase and many customers want to have it in their websites.

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

1. In this part you will create the menu overlay

- The overall overlay with the different backgrounds/see through effects in my opinion looks fantastic. Also, it was surprising how easy it was to implement in action.

2. You will also add media query Sass mixins

- Mixins function as kind of a “global” variables that can be accessed as functions/set values instead of the need to write the same code over and over again. In this case for the different screen size presets.

3. Learn to add branding and navigation to the site

- Branding has always fascinated me in the UI & UX design, and I think this video gave a great sneak peek into that and the basic possibilities in sass.

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

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

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

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

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

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

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2. You will learn how to use Flexbox

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3. You will also learn the properties of both layouts

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**[Part 7] - Website Deployment**

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

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Project – Cool website

Explanation of the project and application explanations

1. Page with navigation

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2. Responsive styles with CSS

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3. Flexbox and CSS Grid

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4. Deployed Website

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