Lappeenrannan teknillinen yliopisto

School of Business and Management

Hung Nguyen 001736166

LEARNING DIARY

Software Development Skills: Font-End 2023-24

1 LEARNING DIARY PART 1:

1.1 Prerequisites

Before starting, I ensured I had basic knowledge of html, css and javascript. These prerequisites are crucial for following along with the tutorial smoothly.

1.2 Setting Up My Project

I follow the instructions of the course

2 LEARNING DIARY PART 2:

1. **5th July:**
   - Started watching "Introduction to Workflow and Sass [Part 1]" tutorial series.
   - Set up coding environment as instructed, ensuring all necessary tools (e.g., text editor, browser) are ready.
   - Learned about Sass basics, including variables and nesting.
   - Explored the concept of responsive design and its importance.

2. **6th July:**
   - Continued with "Homepage and Core Sass/CSS [Part 2]" tutorial.
   - Created HTML markup for the homepage.
   - Implemented core Sass/CSS for styling the homepage.
   - Practiced using Sass variables and nesting to organize styles efficiently.

3. **7th July:**
   - Completed "Rotating Menu Button [Part 3]" tutorial.
   - Implemented a CSS-only menu button with animation.
   - Added JavaScript to handle button rotation into an 'X' shape.
   - Used CSS transitions to achieve smooth animation effects.

4. **8th July:**

- Progressed with "Menu Overlay & Responsiveness [Part 4]" tutorial.
- Developed a menu overlay for navigation.
- Integrated media query Sass mixins for responsive design.
- Incorporated branding elements and navigation links into the site layout.

5. **9th July:**
   - Started "Page With CSS Grid [Part 5]" tutorial.
   - Created an About page using CSS Grid for layout.
   - Implemented grid template areas to structure the page layout effectively.
   - Applied Sass styling to enhance visual appeal and responsiveness of the page.

6. **10th July:**
   - Continued with "Page With CSS Grid [Part 5]" tutorial.
   - Explored advanced CSS Grid features for more complex layouts.
   - Ensured the About page is fully responsive across different screen sizes.

7. **11th July:**
   - Engaged in "Work and Contact Pages [Part 6]" tutorial.
   - Delved deeper into CSS Grid and Flexbox layouts.
   - Learned the distinct properties and use cases of both layout techniques.
   - Applied these techniques to design and structure work and contact pages effectively.

8. **12th July:**
   - Completed "Work and Contact Pages [Part 6]" tutorial.
   - Fine-tuned layouts using CSS Grid and Flexbox properties.

- Ensured consistency in design across different pages of the website.

9. 13th July:
- Prepared for "Website Deployment [Part 7]" tutorial.
- Learned the process of deploying a website using GitHub Pages.
- Set up a GitHub repository for the project and configured deployment settings.

10. 14th July:
- Successfully deployed the website using GitHub Pages.
- Verified the website's functionality and accessibility post-deployment.
- Made any necessary adjustments to ensure a seamless user experience.

11. 15th July:
- Reflecting on the entire learning journey from "Introduction to Workflow and Sass" series.
- Documented key insights and lessons learned from each tutorial part.
- Reviewed personal growth in understanding frontend development concepts, particularly Sass, CSS Grid, and deployment practices.

3 LEARNING DIARY PART 3: ADVANCED ANDROID DEVELOPMENT WITH LISTVIEW, CUSTOM LAYOUTS, AND IMAGES

Throughout the week, I've gained practical experience in setting up a development environment, utilizing Sass for efficient CSS management, implementing advanced layout techniques like CSS Grid and Flexbox, and successfully deploying a website using GitHub Pages. This learning journey has equipped me with valuable skills applicable to modern web development, enhancing both my technical proficiency and understanding of responsive design principles. I look forward to applying these skills in future projects and continuing to expand my knowledge in frontend development.