



Day 17: CSS INTRO

Full-Stack Media Tech Program
Week 3, Exercise Materials



CSS INTRO

Software Engineering 101: Week 4, Day 17

This module contains an exercise folder with the training tasks. Links for all the necessary tools and data are shown below if the data or tools are necessary.

CSS Basics:

1. Exercise 1: Styling Basic Elements:

- Create an HTML document with basic elements such as paragraphs, headings, and lists.
- Write CSS rules to style these elements, including properties for font size, color, and alignment.
- Experiment with different values to understand how they affect the appearance of the elements.

2. Exercise 2: Using Flexbox for Layout:

- Create a container `<div>` element and add multiple child elements inside it.
- Apply CSS rules using flexbox properties (`display: flex`, `flex-direction`, `justify-content`, `align-items`) to the container to create a flexible layout.
- Experiment with different flexbox properties to understand how they affect the arrangement of child elements within the container.

3. Exercise 3: Flexbox Navigation Menu:

- Create a navigation menu with a list of links (using `` and `` elements).
- Apply CSS rules to the navigation menu using flexbox properties to create a horizontal layout with evenly spaced links.
- Experiment with flexbox properties to achieve a visually pleasing and responsive navigation menu.

4. Exercise 4: Mobile Optimization:

- Use media queries in your CSS to apply specific styles when the screen width is below a certain threshold (e.g., 768px).
- Modify the CSS rules for elements to adjust their size, font, and layout to better suit smaller screens, such as smartphones or tablets.

- Test the webpage on different devices or using browser developer tools to ensure that the layout is optimized for mobile viewing.

5. Exercise 5: Responsive Image Gallery:

- Create an image gallery with multiple images displayed in a grid layout.
- Use CSS flexbox properties to ensure that the image gallery adapts to different screen sizes.
- Apply media queries to adjust the number of columns in the grid and the size of images based on the screen width.
- Test the responsiveness of the image gallery by resizing the browser window or viewing it on different devices.