

Frontend Development (FFU1100)

Semester 1

Individual Assignment 4

Topic

Design System with Interactive Components

Description:

The purpose of this assignment is to gain practical experience in creating and managing a design system, focusing on reusable UI components and their various states. You will design and implement a design system consisting of a minimum of 8 components (or up to 10 if you prefer), with each component showcasing its different states.

You have the flexibility to choose from a wide range of components. For example:

- Buttons
- Cards
- Modals
- Dropdowns
- Navigation Bars
- Alerts
- Tooltips
- Toast
- Accordions

Make sure the design system includes:

- **Component List:** Create a list of component names. Clicking on a component name should display that specific component, hiding all other components.
- **Minimum Number of Components:** Design and implement at least 8 distinct components. You can include up to 10 components if you wish.
- **Component States:** Each component must be displayed in a minimum of two different states (e.g., default, hover, active, disabled, etc.).

Component States Examples:

- Common states to consider include:
 - Default: The normal, unaltered state.
 - Hover: The state when a user hovers over the component.
 - Active/Pressed: The state when a user clicks or presses the component.
 - Disabled: The state when the component is inactive.

Inspiration and Examples

To guide your design process, here are some websites showcasing various design systems and component libraries. Explore these resources to see examples of well-designed components and gain inspiration for your own design system. Remember to ensure your final work is original and aligns with the assignment requirements.

- Vy's design system:
<https://spor.vy.no/components/overview>
- Carbon design:
<https://carbondesignsystem.com/components/overview/components>
- Materia Design:
<https://m3.material.io/components>

Grading Information

This assignment is worth 15 points out of the total 100 points available for the program in semester one.

Criteria

Assignments 3 and 4 follow the same criteria. Download and check the file “assignments-3-and-4-criteria.pdf” from the “Assignments Criteria” section on Notion.

Delivery Format

- assignment_4/
 - src/
 - index.html
 - assets/
 - css/
 - js/
 - readme.md (Including a brief description of your project, link to the GitHub repository, and link for the Netlify deployment)