



Assignment 1

Total Marks: 5 marks

Course: Internet Tools

Topic: HTML & CSS Website Redesign Assignment

In this assignment, you will improve and redesign the given personal website. Your goal is to make it more semantic, visually appealing, responsive, and user-friendly. Here is the link to my website (<https://syedmuhamaddanish.github.io/>) and here is the link to GitHub code (<https://github.com/syedmuhamaddanish/syedmuhamaddanish.github.io>)

1. Semantic HTML Structure

Review and refactor the HTML to use semantic tags instead of generic <div> elements. Make sure to properly use tags such as <header>, <nav>, <main>, <section>, <footer>, and <article> where appropriate.

Also, each section in navigation should be a separate html page. For Example, papers and teaching should have its own html page and should not be shown on the home page.

2. Layout & Navigation

- Redesign the navigation bar so that:

- It is **fixed or sticky** at the top for easy access.
- It works on **desktop and mobile devices** (e.g., collapses into a hamburger menu on small screens).
- You may use **CSS Flexbox or Grid** for layout.

- Add smooth scrolling when navigating between sections.

3. Visual Styling – Typography & Colors

- Select a **professional font pairing** (e.g., a sans-serif for headings and a serif for body text, or two complementary Google Fonts).
- Define a **typography scale**: heading sizes, body text, line height, and spacing.
- Choose a **consistent color palette** (primary, secondary, accent, background, text).
- Apply **consistent margins and paddings** across sections to improve readability and visual hierarchy.

4. Interactivity & Dark Mode

a) **Hover & Focus States**

- Add interactive styles for links.
- Example: Links change color or underline on hover.

b) **Dark Mode Toggle**

- Implement a “Dark Mode” button at the top corner of the site.
- Use **CSS custom properties (variables)** for theme colors.
- With JavaScript, toggle between **light mode** and **dark mode** when the button is clicked.

Deliverables:

- Run your website locally on your computer using a live server.
- Before starting the recording, show your full name on your laptop’s windows’ account.
- Start the live server, open your redesigned website in the browser, and go through your website to show features.
- Record the demonstration as a short video (1 – 3 minutes) and submit it along with your code.
- For the code, create a zip file and upload in the assignment on Brightspace.

Note: Failure to follow the instructions will result in ZERO marks.