



Internet Technology

Coursework 01

Responsive Interactive Portfolio

Objective:

Create an advanced personal portfolio webpage that not only showcases your skills and projects but also incorporates interactivity and responsiveness.

Requirements:

HTML5 and CSS3:

- Use HTML5 semantics for structuring your document.
- Utilize CSS3 features like flexbox, grid, transitions, and animations for advanced layout and styling.

Responsive Design:

- Ensure your portfolio is fully responsive and works well on various screen sizes (desktop, tablet, and mobile).
- Implement media queries to adjust the layout and styling based on screen width.

Interactive Elements:

- Implement smooth scrolling between sections using JavaScript or CSS scroll-snap.
- Include interactive elements such as modals or lightboxes to showcase project details when clicked.

Advanced Styling:

- Use CSS variables to manage colors and other style-related properties.
- Explore advanced styling techniques like CSS blend modes, filters, and custom fonts.

CSS Preprocessing (Optional):

- Use a CSS preprocessor like Sass or Less for advanced styling and organization.

Accessibility:

- Ensure your portfolio is accessible by incorporating proper ARIA roles and attributes.
- Implement keyboard navigation for interactive elements.

Build Tools (Optional):

- Use a task runner like Gulp or a bundler like Webpack to automate tasks such as minification, bundling, and image optimization.

Additional Challenges:

- Incorporate a timeline or progress bar to highlight your journey or skills development.
- Include a dynamic section that pulls data from an API (e.g., GitHub API to showcase your repositories).
- Experiment with CSS Grid for advanced layout structures.

Submission:

Deadline	Tuesday 6th, February 2024
Upload to	Learning Management System (LMS)
Material	Git Hub Deployment Link

Grading Criteria:

- Effective use of HTML5 and CSS3 features.
- Responsive design and cross-browser compatibility.
- Smooth and visually appealing transitions/animations.
- Proper implementation of interactive elements.
- Creativity in design and layout.
- Proper code documentation and organization.
- Bonus points for additional challenges and advanced features.