

Assignment: Interactive Resume/Portfolio

Course: Web Design

Objective: To create a dynamic and engaging online resume/portfolio that showcases your skills and experience in a compelling way for potential employers.

Technologies: HTML5, SCSS, TypeScript

Description:

In this project, you will design and develop an interactive resume/portfolio website. This project will allow you to demonstrate your understanding of web development principles and your ability to create a professional and visually appealing presentation of your qualifications.

Requirements:

1. **Content:**

- **About Me:** A compelling introduction that highlights your skills, experience, and career goals.
- **Portfolio:** Showcase your best projects with descriptions, images, and links to live demos or repositories.
- **Skills:** List your technical skills (HTML5, SCSS, TypeScript, etc.) and soft skills. Consider visually representing proficiency levels.
- **Experience:** Detail your work history, including company names, job titles, dates of employment, and responsibilities.
- **Education:** Provide information about your educational background, including degrees, institutions, and dates.
- **Contact:** Include a way for employers to contact you, such as an email address, phone number, and links to professional social media profiles (LinkedIn, GitHub, etc.).

2. **Interactivity:**

- **Dynamic Elements:** Incorporate interactive elements using TypeScript to enhance user engagement. Examples include:
 - Hover effects that highlight sections or projects.
 - Smooth scrolling navigation.
 - A carousel or gallery for showcasing projects.
 - Expandable sections for detailed information.
 - Interactive data visualizations of skills or experience.
- **Responsive Design:** Ensure your resume/portfolio is responsive and adapts well to different screen sizes (desktop, tablet, mobile).
- **Accessibility:** Make your resume/portfolio accessible to users with disabilities by following accessibility best practices (semantic HTML, ARIA attributes, keyboard navigation, etc.).
 - Inclusive and Accessible Design. Use a professional color scheme that complements the overall content of your resume website, creating a cohesive visual identity.
 - a. Ensure ADA compliance, along with accessibility and inclusive design concepts in your design. High contrast colors that are still complimentary, implement alt attributes for all images, use inclusive materials in your design. Reference if desired:
<https://www.toptal.com/designers/ux/inclusive-design> or
<https://www.toptal.com/designers/ui/ui-design-for-older-adults>
<https://www.toptal.com/designers/ui/importance-web-accessibility>
 - <https://www.toptal.com/designers/ui/ui-design-for-older-adults>
<https://www.toptal.com/designers/ui/importance-web-accessibility>

<https://userway.org/scanner/>
<https://webaim.org/resources/contrastchecker/>

3. **Visual Design:**

- **Layout and Structure:** Design a clear, logical, and visually appealing layout that is easy to navigate.
- **Styling:** Use SCSS to create a consistent and professional visual style. Consider:
 - Color palette
 - Typography
 - Spacing and alignment
 - Animations and transitions
- **Media:** Use images, icons, and other media to enhance the presentation of your content. Optimize media for web use.

4. **Code Quality:**

- **Semantic HTML:** Use appropriate HTML5 tags to structure your content.
- **Modular SCSS:** Write clean, organized, and reusable SCSS code.
- **Well-Structured TypeScript:** Write clean, well-commented, and maintainable TypeScript code. Use classes, interfaces, and modules where appropriate.
- **Version Control:** Use Git for version control and host your project on a platform like GitHub.

Bonus Features:

- **Unique Interactions:** Implement creative and unique interactive elements that showcase your skills.
- **Data Integration:** Fetch data from an external source (e.g., a JSON file) to populate parts of your resume/portfolio.
- **Animations:** Use CSS or JavaScript animations to create smooth and engaging transitions.
- **Content Management:** Create a simple way to update the content of your resume/portfolio (even if it's just a well-structured data file).

Submission:

- A link to your live website.
- A link to your GitHub or other repository containing project example.
- A brief write-up (1-2 pages) explaining your design decisions, the technologies you used, and any challenges you encountered.

Grading:

- Content (10%)
- Interactivity (30%)
- Visual Design (15%)
- Code Quality (40%)
- Write-up (5%)