

Assignment 4: Code Demo 10%

Objective:

This assignment will give you the opportunity to demonstrate your understanding of the code you have authored. This demo also gives you the opportunity to explain important factors to consider when developing a website and how those factors are addressed in your site. This demo also allows you to practice using different testing strategies.

This is an informal demonstration between you and the professor. You will have no more than 10 minutes to demonstrate. You can bring notes with you for prompts. If you miss a part of the requirements the professor will ask to ensure that you didn't forget.

This is meant to be a relaxed presentation and an opportunity for you to discuss your code, challenges one on one with the professor.

Requirements: 80 marks

1. Content Management
 - a. Explain Content Management and its importance. (3 marks)
 - b. Demonstrate the content management structure of the site. (1 mark)
2. Web Publishing
 - a. Demo the website running on the localhost. (5 marks)
 - b. Demo the website published and running on GitHub. (5 marks)
3. Code walkthrough
 - a. Demo the HTML that implements each requirement. (15 marks)
 - b. Demo the CSS that implements each requirement. (15 marks)
4. Search Engine Optimization
 - a. Explain SEO and its importance. (3 marks)
 - b. Demonstrate the aspects of the site that improve SEO. (5 marks)
5. Browser Compatibility & progressive enhancement
 - a. Explain Browser Compatibility and how it relates to progressive enhancement. (3 marks)
 - b. Demonstrate the website (both pages) in 3 different browsers. (1 mark)
6. Web Accessibility
 - a. Explain Accessibility and its importance. (3 marks)
 - b. Demonstrate the website passing the Firefox accessibility test for both pages. (5 marks)
7. Responsive Design
 - a. Explain Responsive Design and its importance. (3 marks)
 - b. Demonstrate your website display in 3 different screen sizes. (5 marks)
8. Performance
 - a. Explain Performance and its importance. (3 marks)
 - b. Demonstrate the features added to improve performance. (1 mark)
9. User Experience
 - a. Explain User Experience and its importance. (3 marks)
 - b. Demonstrate the features added to improve the visual appearance and therefore the user experience. (1 mark)