Assignment: Combining HTML and SCSS
Resume Website

Topic: Working with HTML and SCSS

Assignment Activities
Utilize pre-processors to develop the styling and layout of a project. Host the project on a server.

Remember to plan your time effectively and allocate sufficient time for each step of the project. Start early and work on this frequently to reduce stress and assist in completion.

Resources:

Free Web Host: https://www.infinityfree.com/
HTML: https://www.w3schools.com/html/default.asp
CSS: https://www.w3schools.com/css/default.asp
JS: https://www.w3schools.com/js/
SCSS: https://sass-lang.com/documentation/

Validator JS: https://codebeautify.org/jsvalidate
Validator HTML: https://validator.w3.org/nu
Validator CSS: https://jigsaw.w3.org/css-validator/

Assignments are a great way to practice what you've learned in class, resources you explore online for professional development, and content from labs. This should be YOUR synthesis of knowledge, DON'T copy and paste from the web or other resources. You may reference documentation and resources online ONLY if you document referenced sites.

With this assignment, you will develop a site based on YOUR creativity that meets the assignment requirements. All sites for this course must be professional – how to determine if it's professional; consider showing the site to the Dean of the college and if the content could be shown to a general audience (Rated G).

Task: Practice your understanding of HTML for structuring content, SCSS for presentation (styling and layout), optional: JavaScript for behavior (interactivity).

- Note all resources referenced for this project.
    - Create a citation .txt file in the root folder.
    - Use comments in html <!—comment -->, in css /* comment */, or in js // comment.
        - Note where you applied the knowledge from the reference sources.
    - Use of figure and fig. captions can be implemented to cite images
    - Use of the <cite> tag is also useful, but may need research to implement properly.

Description:
Design and develop a resume website using HTML5 and SCSS. The website should incorporate copyright-free images (if images are used), implement a professional color

scheme and layout, and demonstrate syntactically correct use SassScript; including variables, mixins, and nested selectors in the SCSS. All css styling for the site will be developed in SassScript and compiled to .css file(s) appropriate for the site developed.

Guidelines:

1. Design professional representation of your as a website. It should include your career goals, skills, courses, hobbies, volunteer work, experiences, etc.
2. Develop a plan for the layout and structure of your website before starting the coding process.
    a. Start with a wireframe or sketch of the pages.
    b. Create a plan of SCSS elements required to meet the wireframe layout of your site. This needs to account for variables, nesting, mixins, etc.
3. Utilize variables for all repeating content, values, etc. that would be implemented in your scss.
4. Use HTML5 semantic tags in creating the web pages your resume website, ensuring proper HTML structure and semantic markup.
5. Implement the plan from above using SCSS to style your web pages, utilizing SassScript variables, mixins, and nested selectors to streamline your styling process. Set up the SCSS to compile to a styles folder that will hold your css files separately from your scss files.
6. Incorporate copyright-free images or illustrations that are relevant to your professional background or skills. Ensure that they are appropriately credited, following copyright guidelines. Preference is to use your own images, owned by you. Otherwise, be sure to use Figure and Fig Captions to cite where the images came from, you may need to research the use of figure and figure caption.
7. 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/importance-web-accessibility
8. Create a navigation system that allows users to intuitively navigate through the different sections of your website.
9. Include sections such as education, work experience, skills, and contact information on your resume website.
    a. Resume advise is prevalent online, here is one rather short read about what to include on your resume. https://www.indeed.com/career-advice/resumes-cover-letters/6-universal-rules-for-resume-writing

10. Ensure that your website is **responsive** and **accessible** on different devices and screen sizes. Set at least one media query to adjust the design of your website based on the size of the screen it is being viewed with.
11. Validate your **HTML** and **CSS** to ensure that there are no errors. Update your SCSS to fix any CSS errors identified.
12. Upload site to your server as a new directory.

    - Test the website to ensure that it works properly and appears as intended on different devices and browsers.
    - Remember infinity server may need to have the existing files deleted before uploading any updated files to prevent appending of code to existing files.
    - Upload one file at a time if you experience errors on upload. Uploaded folders (directories) go within the htdocs folder.
    - Identify the URL for this specific directory on your server. Do not include the htdocs in your url, but DO include the directory name you uploaded.

- **Submit the compressed root folder and URL to Brightspace.**

Before submitting, check for:

- Project used root folder with a sub-folder for images.
    - No spaces in file and folder names, underscores and camelCase are best.
    - Use meaningful naming conventions.
    - First html page is always index.html.
    - All pages are linked correctly to relevant files (.html, .css, .js, images).
- Note all resources referenced for this project.
    - Create a citation .txt file in the root folder.
    - Use comments in html <!—comment -->, in css /* comment */, or in js // comment.
        - Note where you applied the knowledge from the reference sources.

- DO NOT move files into the server's main directory
    - use root folder to create a sub-directory in your web account
    - root folders go into the htdocs directory on infinityfreeapp.com or the hosting directory of your alternately chosen server.

> Example: if my main url is http://drlg.infinityfreeapp.com if I upload a root folder called lab1_drg, then my url for this assignment would be http://drlg.infinityfreeapp.com/lab1_drg
>
> Note: Your URL will have a different designation before the infinityfreeapp.com, where mine is drlg, yours will have something different.

Grading Criteria on next page.

Checklist Rubric: SCSS Developed Resume Website

	Category 1: Exceeds (2)	Category 2: Meets (1)	Category 3: Needs Improvement (0)
Content Focus	- The website design showcases a visually appealing and professional representation of the individual, including key components such as career goals, skills, courses, hobbies, volunteer work, experiences, etc.	- The website design presents a professional representation of the individual, including key components such as career goals, skills, courses, hobbies, volunteer work, experiences, etc.	- The website design lacks a professional representation of the individual, including key components such as career goals, skills, courses, hobbies, volunteer work, experiences, etc
HTML	- HTML5 is consistently used with proper semantic markup and structure throughout the website.	- HTML5 is used with proper semantic markup and structure in **most** areas of the website.	- HTML5 is used with **incorrect** or **inconsistent** semantic markup and structure throughout the website.
SCSS	- SCSS is implemented accurately and efficiently, utilizing SassScript variables, mixins, and nested selectors to streamline the styling process.	- SCSS is implemented to some extent, utilizing SassScript variables, mixins, and nested selectors.	- SCSS implementation is minimal or absent, with no use of SassScript variables, mixins, or nested selectors.
Images	- The website incorporates copyright-free images or illustrations and appropriately credits them following copyright guidelines.	- Copyright-free images or illustrations are incorporated, and efforts are made to appropriately credit them following copyright guidelines.	- Copyright-free images or illustrations are not incorporated or credited appropriately, violating copyright guidelines.
Aesthetics	- The website design demonstrates a professional color scheme and layout that complements the overall content.	- The website design demonstrates a professional color scheme that complements the overall content.	- The website design lacks a cohesive and professional color scheme and layout.
Navigation	- The navigation system is intuitive and allows users to easily navigate through the different sections of the website.	- The navigation system is functional and allows users to navigate through the different sections of the website.	- The navigation system does not allow users to easily navigate through the different sections of the

			website, or is not functional.
Responsive	- The website is responsive and accessible on different screen sizes, with accurate implementation of media queries and design elements to adjust the layout based on screen size.	- The website is mostly responsive and accessible on different devices and screen sizes, with basic implementation of media queries.	- The website is not responsive or accessible on different devices and screen sizes.
Accessibility & Inclusion	- Alt tags are implemented for all images, providing meaningful descriptions for users with visual impairments, ensuring accessibility. - The website design demonstrates a high level of color contrast, enabling easy readability for users with visual impairments. - Inclusive design principles are fully integrated, considering various user needs, identities, and accounts for diversity.	- Alt tags are implemented for most images, providing descriptions for users with visual impairments. - The website design demonstrates an acceptable level of color contrast, ensuring readability for most users with visual impairments. - Inclusive design principles are implemented to some extent, considering user needs and ensuring a level of accessibility, identities, and minimally accounts for diversity.	- Alt tags are implemented for most images, providing descriptions for users with visual impairments. - The website design demonstrates an acceptable level of color contrast, ensuring readability for most users with visual impairments. - Inclusive design principles are implemented to some extent, considering user needs and ensuring a level of accessibility, identities, and does not account for diversities.