

Web Site Project:

For this project you will be hand-coding a Web site using HTML5 and CSS. The site can be on any topic that interests you. The site should be polished, with a professional look, easy navigation, and a clear, logical layout. Your completed site will be published (i.e., uploaded to a Web server), so everyone with access to the World Wide Web will have access to your Web site. Keep this in mind when developing content for your Web site – your grandmother will have access to this site. You may use Adobe Photoshop to create images for your Web site.

Your web site must be hand coded. You may not use any Web development software to create this site.

Note that 25% of your grade on the web site is based on the effort put into the web site. You can create a technically correct web site with all required elements and receive a solid 75%. That's fine, but boring. But to really have fun with this, you need to take the elements you've learned and play around to create a site you're proud of! This is fun! Enjoy yourself!

*For this project you may work with a partner or you may choose to work alone. If you choose to work with a partner, both partners should have complete copies of the Web site at all times (as much as possible) **Regardless of your partner's participation, you are responsible for a complete Web site.** Be sure to get your partner's email address and contact information.*

Web Site Requirements:

Overall rules:

1. A minimum of 3 separate html pages
 - a. At least 2 of the pages should be in one folder
 - b. At least 1 page should be in a separate folder
 - c. All three pages should link to each other
2. A separate folder named "images" must contain all images used in your Web site
3. The site must be hand coded
4. The site must contain nothing other than html and css (e.g., no javascripts, php, etc. at this point)
5. All pages on the site must validate using the **w3c validators**
6. All pages must be uploaded to the Web server successfully with permissions set so that the world can see and access everything on the Web site. (Again upload your WebSite103 folder, and then you should just have to double-check permissions).

HTML Requirements:

The site must contain at least (at a minimum!!!):

1. a title
2. 3 different headers (e.g., <h1>,<h2>, etc.)
3. 1 header occurring more than once (i.e., more than one <h2> tag)
4. 1 paragraph
5. 1 unordered list
6. 1 ordered list
 - a. 1 list with images as bullets (this can be combined with one of the above lists – you can find out how to do this in the CSS section)
7. 1 table
 - a. with at least one rowspan or colspan set greater than 1 (e.g., colspan = "3")
8. 1 image
9. 1 image as a link
10. 1 absolute link (link to a Web page in another domain)
11. 6 relative links (to the other Web pages in your Web site)
12. 1 link to a place **within** the same Web page

13. 1 link to a place **inside** another Web page in your Web site
14. 1 form with a:
 - a. Submit button
 - b. Radio button
 - c. Text field
 - d. Check box
 - e. Drop-down list
 - f. Text area
15. Comments in your web page about any element you think the TA should know more about
16. 3 of the following html5 elements:
 - a. <header></header>
 - b. <footer></footer>
 - c. <section></section>
 - d. <nav></nav>
 - e. <aside></aside>
17. Either an audio or a video element

CSS Requirements:

You must also add style to your Web site using CSS.

You must include:

- At least one style definition inline
- At least one style definition in the header
- all other styles must be defined in a separate file that you've linked to from your Web site (keeping almost all styles in one separate file will make editing and modifying style easier).
 - NOTE: ALMOST ALL OF YOUR STYLE ELEMENTS SHOULD BE IN THE SEPARATE STYLE SHEET!!!
 - This makes redesigning your web site for people with vision issues, people who use screen readers, for viewing on a tablet, for viewing on a phone, or even just seasonally redesigning your web site notably easier.

When creating styles for your Web site, you must include:

1. a style tag setting for a font's:
 - a. color
 - b. style
 - c. size, and
 - d. family
2. A style with a text-align set
3. A style setting a text shadow or decoration
4. a style tag with the line height set
5. a style with some color set using hex numbers
6. a style with a border (width, color, style)
 - a. a tag with a border on only one side
 - b. a tag with an image as a border
 - c. a tag with a rounded border
7. a style with padding set
8. a style with margin set
 - a. a tag with the padding and margin different for one side versus another side
9. a style with a background color
10. a style with a background image tiling throughout
11. a style with a background image not repeated and positioned
12. a style with the background image either repeating horizontally or vertically only
13. a style with either the background-color or the entire element's opacity set
14. a class tag defined with its own styles

15. a div tag defined with its own styles
 - a. a tag within your div tag given its own style (e.g. specifying a separate style for paragraphs within your div tag)
16. a style that is positioned absolutely
17. a style that is positioned using float
18. a style positioned relatively
 - a. with the z-index set

The web site will be rated for:

1. Technical competence (65%):

- Has it been uploaded successfully?
- Have all the requirements been met?
- Do all the links work?
- Have the images loaded successfully?
- Are there any tags that shouldn't be there?
- Do things look like you expect them to (e.g., paragraphs aren't squished in an odd way)
- Does the html code validate?

2. Clarity (10%):

- Can you read text on the web site easily?
- Can you figure out how to navigate through the site (do the links make sense)?
- Can you figure out what the web site is about?
- Can you follow the layout comfortably?
- Do the images and text associated with headers or specific pages make sense?

3. Overall design(25%):

- Pages look good?
- Design fits with content of the page?
- Look is polished?
- Look is unique?
- *Did you put a lot of effort into the Web site?*