

# Assignment 4

## Website Build

Weight: 20%

### Introduction

In this Assignment, you will have the opportunity to use all of the skills and techniques that you have developed throughout the term. Specifically, for this Assignment, you will create two more pages (a faux shop and a faux cart) for the website that you started in Assignment 3.

You have been given a .psd wireframe with three artboards. Each artboard represents one page of the website.

Using everything that you created for Assignment 3 as a starting point, you will create a three-page fixed-width website.

**Note:** the provided artboards are wider than 960 pixels. This is to demonstrate what your website will look like on a device with a larger screen. You will, however, still be creating a 960px fixed-width website.

### Site Build

1. Download all of the required files for this Assignment. Next, create a copy of your Assignment 3 framework folder and rename it.

2. Save out all of the new images from your wireframe. Ensure that the image file formats you are choosing are appropriate. Your goal is to strike a balance between having the smallest file sizes and the highest quality possible.

**Note:** you can export multiple image layers from Photoshop at a time by selecting all of the layers you want to export in the Layers Panel [ SHIFT + CLICK ], right-clicking, and choosing Export As ...

Photoshop will convert layer names into filenames. Make sure that your layers are either semantically named or that you rename your image files later.

3. Begin migrating the content from your Photoshop document into two new HTML files. Ensure that these HTML files are appropriately named and that you are using the most appropriate (i.e. semantic) markup. You should have a well-structured, meaningful HTML document before applying any styles.

4. Using your newly created pages, make your top-level navigation bar fully functional. From anywhere within your website, your user should be able to navigation to the index (by clicking on the website logo), the shop, or to their cart.



*This is your top-level navigation bar.*

Additionally, make sure that your call-to-action faux-button in the index header now links to your shop.



*This is your call-to-action faux-button.*

Finally, the shop and cart pages have a breadcrumb menu underneath the top-level navigation bar. You must convert each page name in the path into a working hyperlink.

Home > Shop > Cart

*This is the breadcrumb menu on your cart page.*

5. Check your document outline using the following service:

<https://gsnedders.html5.org/outliner/>

Your document outline should demonstrate logical, nested groupings of your content. It should not have any *Untitled Sections*.

6. Validate your HTML using the following service:

<https://validator.w3.org/>

You may receive an error about the link element that Google Fonts generates for you. This is due to the pipe character ( | ) it may use to differentiate between multiple fonts or weights. Ignore this error, as virtually all modern browsers will not have an issue fetching these fonts.

7. Start styling your website by adding to your styles.css file. Please note that you should only use one reset.css and **one styles.css for your entire website**.

8. Validate your CSS using the following service:

<https://jigsaw.w3.org/css-validator/>

## Note on Helper Layers and Hover States

You have been given a ‘helper layer’ on each artboard in your .psd wireframe. This is to help you measure distances between elements. It is not to be included in the final website.

The Hover States layer group is to help demonstrate what your hyperlinks should look like when the user hovers over them.

## Submission

In order to submit your assignment, compress your framework folder and upload it as a .zip file to Moodle.

### How to Create a .zip File

#### Windows 10

Right click on your framework folder and choose **Send To > Compressed (Zipped) Folder**.

OS X

Right click on your framework folder and choose **Compress "Folder Name"**.

Please do **not** submit a file in any format other than .zip (.rar, .7z, etc). There is no guarantee that these files can be opened and marked.

Include only the files that are required for your web site to work in your submission. There is no requirement to upload your website to the student server.

Late submissions will receive a grade of zero.

# Marking Rubric

Tasks	Grade	Marks
<p>This site uses the basic HTML5 framework developed in class, and contains:</p> <ul style="list-style-type: none"><li>• images folder (img)</li><li>• styles folder (css)</li><li>• scripts folder (js)</li></ul> <p>All stylesheets, including the reset code, are correctly linked and functioning. Only one styles.css is used for the entire website.</p>		-3
<p>Each page has a semantically named page title element, unique and relevant to the contents of the page.</p> <p>Each HTML document has a semantic filename.</p>		-1
Navigation		
<p>The website's logo is an image link that returns the user to the index. It works on all pages.</p> <p>Top-level navigation links work on all pages.</p> <p>The breadcrumb menu links function to return the user to previous pages.</p>		3
Shop Page		
<p>Page Layout Design &amp; Style</p> <p>The shop page content is positioned, styled, and spaced as close as possible to the provided wireframe.</p>		5
<p>Markup (HTML)</p> <p>Document structure: markup is logical and follows best practices.</p> <p>Content: markup uses the most appropriate elements and the markup is well formatted.</p>		3
<p>Styles (CSS)</p>		3

<p>CSS names follow best practices (i.e. they are specific and semantic).</p> <p>CSS selectors are appropriate and follow best practices.</p> <p>CSS is well-structured, well-formatted, and simple.</p>		
<p>Technical Requirements</p> <p>All images are saved in an appropriate format for their intended use in the website.</p> <p>The HTML document creates a clear meaningful document outline when checked within the HTML5 outliner tool: <a href="https://gsnedders.html5.org/outliner/">https://gsnedders.html5.org/outliner/</a></p> <p>The website passes both the HTML and the CSS validation services at: <a href="http://validator.w3.org/">http://validator.w3.org/</a> and <a href="https://jigsaw.w3.org/css-validator/">https://jigsaw.w3.org/css-validator/</a></p> <p><b>Note:</b> You will not lose marks for the pipe character error in any &lt;link&gt; element generated by Google Fonts.</p>		-3
Cart Page		
<p>Page Layout Design &amp; Style</p> <p>The shop page content is positioned, styled, and spaced as close as possible to the provided wireframe.</p>		5
<p>Markup (HTML)</p> <p>Document structure: markup is logical and follows best practices.</p> <p>Content: markup uses the most appropriate elements and the markup is well formatted.</p>		3
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Total		25