CSC 170 Lab 03 – HTML Document Creation

This assignment tests your ability to take "real" content and mark it up using semantically correct HTML. You will select some content from Wikipedia (*not* the Shakespeare content!), and fulfill the requirements as described in this document.

Part 1: Setup your Work Environment

❑ Create your initial files:

    a. Create a folder named **lab03** and inside it create a new HTML document named **start.html**

❑ Inside the **start.html** file, setup a new HTML5 template.

❑ In addition to the usual HTML5 template, inside the <body> tags, create a set of tags that will be used as your layout blocks. At the bare minimum you must use at least one instance of the following tags in your HTML document (but you can use more):

    <header>

    <article>

    <aside>

    <footer>

Here's a template you can use to get your layout elements started:

```
<!DOCTYPE html>
<html>
        <head>
                <meta charset="utf-8">
                <title>Lab 03 – the title of your content</title>
        </head>
        <body>
                <header>
                        <h1>the title of your content</h1>
                        <p>A subtitle, if appropriate (optional)</p>
                </header>

                <article>
                </article>

                <aside>
                </aside>

                <footer>
                        <h2>Citations</h2>

                </footer>
        </body>
</html>
```

Note: in the title tag, "*the title of your content*" should be the title of your content

Part 2: Gather Content

❑ Go to Wikipedia and find a topic that interests you and has enough content for this assignment. Collect enough content in plain text, images and links. You'll need enough content to create at least these following elements:
- One (and only one) H1 (which will be the name of the topic you selected)
- At least four H2s
- Many paragraphs of text
- At least two lists: unordered, ordered or definition (any combination)
- At least two images which may include diagrams, and captions for each[1]
- Three citations (links to other sources)
- One more citation, referring to the Wikipedia page(s) you used in this assignment

Note: you can slop together any related content as you need to make the assignment whole which includes: taking content from more than one Wikipedia page; writing a little bit of content yourself (for simple headers or captions, as needed). The assignment requires "real" content, but will not be graded for it. The grading is focused on the code and your proper selection of HTML elements.

Part 3: Create the HTML Document

You must figure out how best to tag your content semantically to identify each part of content.

❑ Populate the <header> element with content
- You'll put your one <h1> in the <header>, and maybe some other high-level description text up there.

❑ Populate the <article> element(s) with <h2>s and paragraphs, and any other related content that belongs under each <h2>
- After each <h2> you'll have paragraphs, images, tables, whatever.
- If you need to sub-group content within an <article> element, you can use the <section> element as necessary. You can also use the <section> element to group multiple <articles> together, if that makes sense for your content.

❑ Use at least one <aside> element (more if appropriate) to tag information that supports the content in your <article>(s).
- Note: generally in the HTML document, <aside> tags are *near* but not inside <article> elements.

❑ Populate the <footer> element with content
- Typically, you'll put your citations in the footer element
- You can also put your name and other info about yourself in the footer, if you want.

❑ Remember: the HTML document MUST remain "semantically pure." No tags to push content around! (Generally, that means no <br>, <hr> or extraneous <p> tags anywhere.)

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[1] You can wrap an <img> in the <figure> element. And inside the <figure> element you can also include a <figcaption> element. (You can Google examples.) NOTE: by themselves, the <figure> and <figcaption> elements don't do anything but provide good semantic meaning for use by search engines.

Part 3: Upload your work

When you are done with your webpage, use an FTP tool (like *WinSCP*) to access your account on
_____.**rochestercs.org** (remember your FTP login information?) and upload your files like this:

1. Open an FTP tool (like *WinSCP*) and login to your account using the login credentials you used in Lab 1.
2. Position your **lab03** folder on your computer and your FTP tool side by side.
3. Drag your **lab03** folder into the file area in your FTP tool. The result will put all your files and folders on the server.
4. In a web browser (any), go to this address to check your handiwork:
   accountname.**rochestercs.org /lab03/start.html**
   (where "*accountname*" is your account name)

Remember: All files and folder names must always be all lowercase and no spaces.

Part 4: Report your work

Remember: Use the W3C validator (**validator.w3.org**) to check your work before you report it!

1. In our Blackboard section, in Lab 03, post a link to your webpage to receive credit for this Lab.