WEB222 Assignment 3

## Assessment Weight:

6% of your final course

## Objective:

Create a website and practice writing HTML Markup, using Media Elements, writing for the Web, and using Open Archives.

## Overview:

You are asked to **create a brochure-style website for one of your favourite places in the world**. You will **pick a place that you love** and **research** this place online. You will then **create a multimedia website** that uses resources about your chosen place (e.g., images, audio, video, maps) from open web archives.

The web is full of both proprietary and open-licensed resources. The former cannot be reused by you: you can’t take an image or logo from someone else’s site and use it on your own. This is a copyright violation. However, there are also many open resources that you can copy and reuse. Learning how to find and use these correctly is important when building your own web content.

## Requirements:

**Step 1. Choose a Place**

Think of a place that you love, somewhere you’d love to tell your friends about. It could be a city, street, park, restaurant, hotel, train station, statue, forest, monument, etc. It can be anywhere in the world and can be a big (national park) or small (a favourite room in a library) place. Be creative! The only requirements are that your chosen place exist (i.e., there is information and resources about it on the web) and that you are going to be able to speak about it passionately!

You must work on your own place (i.e., you can’t partner with other students in the course). Given the number of places in the world, two students are not allowed to choose the same place.

**Step 2. Research your Favourite Place**

Research your chosen place on the web. Find at least **3 web resources** (i.e., websites) to use in your research. Try to find reputable sources of information. Take notes as you do your research on these sites and keep track of all the sites/URLs you use. You will need to properly **cite these in your about.html** page (see below).

Learn as much as you can about this place. You may NOT copy the text word-for-word, only use it as background material. You will need to write everything in your own words.

**Step 4. Write a Research Summary**

**Write a 750-to-1,000 word summary** of your research. Your goal is to educate and persuade someone to visit your chosen place, and educate them about why it’s so wonderful. What do you love about it? Why should someone else care? What would a trip to this place look like?

**You may NOT copy/paste any text**, all words must be your own.

**Step 5. Convert to Markup**

**Convert your text to HTML5 markup**. Make use of any and all appropriate HTML elements <https://developer.mozilla.org/en-US/docs/Web/HTML/Element>. For example, if you use lists or acronyms, quotes or technical terms, dates or definitions, etc. you should make use of the associated HTML5 elements. You will be graded on the appropriate use of HTML5 elements—you can’t make everything a <p> or <div>.

In your final markup, you should try to use most of the following HTML5 semantic elements (see <https://developer.mozilla.org/en-US/docs/Web/HTML/Element>):

* <meta> tags for document, author, topic details
* <title> for the document’s title
* <main>, <article>, <header>, <footer> for the structure of your document
* <nav>, <li> for navigation links
* <h1>, <h2>, … for headings
* <address> for addresses
* <time> for dates and times
* Figures using <figure>, <figcaption>
* Lists using <ol>, <ul>, <li>
* Paragraphs <p>
* <table>, <th>, <td>, etc. for any tabular data you need to include
* Hyperlinks <a>
* Abbreviations <abbr>
* Quotes and Citations using <q>, <blockquote>, <cite>
* Inline text with <em>, <strong>

You will be marked on your knowledge and use of these elements, and how well you have used them to markup your text. You may NOT submit a series of plain text paragraphs with no other elements. Spend some time choosing and implementing your markup.

**Step 6. Add Media**

**Find supporting media resources** to help educate the reader. Media helps tell a story and is one of the secret powers that the web has over other print media.

Here’s an example web page from the Globe and Mail newspaper that uses a mix of text and media well:

<https://www.theglobeandmail.com/canada/article-the-last-lighthouse-keeper-why-a-nova-scotian-couple-refused-to-leave/>

In this web page you see all of the following HTML5 and media being used:

* Text Headings and Paragraphs
* Images with captions
* Audio
* Video, both looping/muted in the background, and also embedded
* Graphics (e.g., Interactive Map)

Your site doesn’t need to be this elaborate, but hopefully you get some ideas to help guide your use of text and media.

You can use any **open licensed media** resource that allows reuse, but **may not use copyright materials**. How do you know if something is copyright? Everything is copyright unless you are told you can reuse it; assume that you can’t unless it’s clear that you can. Open licensed materials will be marked as such.

Here are some links to help you find open licensed media:

* <https://support.google.com/websearch/answer/29508?co=GENIE.Platform%3DAndroid&hl=en>
* <https://unsplash.com/>
* <https://www.wikihow.com/Find-Creative-Commons-Videos-on-YouTube>
* <https://search.creativecommons.org/>
* <https://www.flickr.com/creativecommons/>

You are asked to include the following open licensed resources on your page:

* **At least 2 photos**
* **At least 1 video (i.e. using the <video> element) or 1 YouTube embed (i.e., using an <iframe>)**
* **1 audio resource (i.e. using the <audio> element)** in your page. If you can’t find audio directly related to your topic, get creative. Maybe you can use background sound or include a song from a band that uses the same name.
* **An embedded Google Map of your chosen place.** You can obtain the necessary <iframe> HTML markup by doing the following:
  + Go to [Google Maps](https://www.google.com/maps) (maps.google.com)
  + Enter the address in the search bar, then click the search button
  + Click on the Share icon
  + Choose "Embed map"
  + Select the size of the map from the drop down
  + Select and copy the HTML <iframe> embed code
  + Include the <iframe> embed code in your website’s HTML

Use appropriate HTML to include these resources in your site along with the text you have written. You may link to external URLs where applicable (i.e., you don’t have to download and use resources if they are publicly hosted). Make sure you do the following:

* All images should have **alt** text included and used captions to describe the image and give credit
* Videos and Audio should include **controls**
* Use appropriate sizes (width and height) and download sizes for all media. You can use a tool like <https://squoosh.app/> to reduce the size of an image that is very big to download.

**Step 7. Add A Basic Stylesheet**

This assignment is ***not*** about the page’s style (fonts, colours, etc). We will focus on style when we look at CSS later in the course.

However, **you are encouraged to use one of the various “class-less” CSS stylesheets** described here: <https://css-tricks.com/no-class-css-frameworks/> These stylesheets can be included in the <head></head> of your document, for example:

<head>

<link rel="stylesheet" href="https://unpkg.com/mvp.css">

Try experimenting with some of these stylesheets to find one that makes your page look good to you. Another useful site for testing various classless CSS stylesheets is <https://classless-css-demo.deno.dev/>

## Coding:

Use the website starter project in the assignment ZIP file. Install all dependencies by running the following command in the root of the assignment (e.g., in the same directory as package.json):

**npm install**

Your code should all be placed in the src/ directory. You will find 3 HTML files there now, which should be updated by you as follows:

1. **src/index.html** – Your main web page should go here. Be sure to create a proper HTML5 document and also include hyperlinks to the about.html and honesty.html pages.
2. **src/about.html –** Include information about yourself (the author). Be sure to create a proper HTML5 document as well as **links to index.html and honesty.html**.
3. **src/honesty.html** – Include the standard text for student submissions, as well as credits for any and all resources you used in your site (e.g., citations for images, videos, etc). Be sure to create a proper HTML5 document, as well as **links to index.html and about.html.**

NOTE: you are welcome to create other pages if you need them. Just remember to link all of your pages together.

## Running a Web Server:

You can start a local web server to test your code in a browser by running the following command:

**npm start**

This will start a server on <http://localhost:3000>, which you can open in your web browser

To stop the server, use CTRL + C

## Submission:

When you are finished, run the following command to create your submission ZIP file:

**npm run prepare-submission**

This will generate submission.zip, which you can hand in on Blackboard.