Programming Project #1

CIS 1440 – Prof. John P. Baugh
Oakland Community College - OR

Objectives

- To be able to manipulate the DOM with basic JavaScript
- To write functions in JavaScript
- To demonstrate the ability to attach event handling functions to events of elements in JavaScript
- To be able to solve fundamental problems involving dynamic image swapping

Instructions

For this assignment:

- It is assumed you will use properly formatted HTML using good formatting, including the DOCTYPE, meta charset element, and that you will use an external JavaScript file and appropriate script source link.
- The scripts should be in a subfolder inside the folder where the HTML files are
- The images should also be in a separate subfolder, named *images*

For this assignment, you must create a Webpage, **index.html**, which links to a JavaScript file, **flags.js**. In the HTML document you should have at least *three flags* that are adjusted to be approximately the same size. When you hover over a flag with your mouse, another similarly sized image of the country which the flag represents should be displayed.

For example, an initial flag on the page may look like this:

When you hover over the flag, an image such as the following is displayed:

Additionally, there should be an **<h1>** tag at the top of the Webpage. By default it says, "Countries and Flags".

Whenever you hover over one of the flag images, not only should the image switch to the map, but you should *also* change the text of the h1 to be the name of that country.

When your mouse is no longer over an image, the text of the h1 should be restored to the default.

Hints

Consider using functions such as **document.getElementById** and **document.querySelector**('h1'); for example to obtain references to your DOM objects.

Deliverables

Please create a folder and *zip* the folder containing all relevant .html, .js, and any image resources, and upload to the appropriate Assignment folder on D2L.

Make sure to take at least **two screenshots of your program functioning** and include them at the top level of the folder before you zip it.

Turn in only ONE zip file to D2L as your full submission.

Upload the zipped up file to D2L under the appropriate Assignment directory.