CSC 170 Lab 8: JavaScript

For this lab, you will take a set of HTML and CSS starter files and add JavaScript using three techniques: external; embedded; and event

Part 0: Setup
- Download the ZIP of starter files from the Lab 8 folder in the Lab Assignments folder of our Blackboard section, and expand the files on your computer or thumb drive into a folder named **lab08**

Part 1: Add an embedded script
- ❑ Near the bottom of the HTML document, just above the closing body tag, add an embedded JavaScript block using the <script> tag, and write a line of JavaScript that pops open a dialog box that says a message.
    - o After you've confirmed that the pop-up dialog box works, you may comment-out the JavaScript inside the <script> tags using "//" (two slashes) at the beginning of the line.

Part 2: Connect to an external script
- ❑ Near the bottom of the HTML document, just above the embedded JavaScript you created in Part 1, using the <script> tag, connect an external JavaScript file named: **js/scripts.js**

Part 3: Use a JavaScript event to change an image
Apply the following events to the first IMG element near the top of the HTML document:
- ❑ Add the following JavaScript event to the image element to change the source (the "src") to **images/cat2.jpg** when a mouse hovers over that element
    - o onmouseover="this.src='images/cat2.jpg';"
- ❑ Add the following JavaScript event to the *same image element* to change the source (the "src") to **images/cat1.jpg** when a moves out from hovering over that element
    - o onmouseout="this.src='images/cat1.jpg';"

Part 4: Use JavaScript to run a function
- ❑ Within the second <figure> element in the HTML document, add an ID attribute to the image to uniquely identify it in the HTML document (you pick the name of the ID)
- ❑ Also add an ID attribute to the BUTTON element to uniquely identify it in the HTML document (you pick the name of the ID)
- ❑ In the attached JavaScript file, use the IDs you created to power the function named: **toggleElement(id)** [1]

Part 5: Check and Upload your Work
- ❑ Validate the HTML file (**http://validator.w3.org/**)

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[1] There is one place where you have to plug-in the two IDs: near the top of the JS file

When you are done with your webpage, use an FTP tool to access your account on _____.**rochestercs.org** to create a folder: **lab08** and upload all your files into it.

❑ In a web browser (any), go to this address to check your handiwork:
   accountname.**rochestercs.org /lab08**
   (where "*accountname*" is your account name)

Part 6: Report your work

- In our Blackboard section, in Lab 8, post a link to your webpage to receive credit for this Lab.