CSC 170 Lab 13: JavaScript

Due: Tuesday, November 7, 2017

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

In the starter files, to help you find the places where you install the JavaScript, look for the HTML comments in the files provided that say, “PART 1…”, “PART 2…” et cetera.

# Part 0: Setup

* Download the ZIP of starter files from the Lab 12 assignment in our CSC 170 Blackboard section, and expand the files on your computer or thumb drive into a folder named **lab12**

# 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.
* After you've confirmed that the pop-up dialog box works, comment-out the JavaScript inside the <script> tags using "//" (two slashes) at the beginning of the line so it doesn’t work anymore (because it’s annoying).

# 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
  + **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
  + **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, follow the comments in the code to power the script to make the button work as intended.[[1]](#footnote-1)

# Part 5: Check and Upload your Work

* Validate the HTML file (**http://validator.w3.org/**)

When you are done with your webpage, close everything and use an FTP tool (like *WinSCP*) to access your account on **urcsc170.org** and upload your files:

* In a web browser (any), go to this address to check your handiwork:   
  **www.urcsc170.org/*accountname*/lab12/index.html**  
  (where “*accountname*” is your account name)

# Part 6: Report your work

* In our CSC 170 Blackboard section in the Lab 12 assignment, post a link to your webpage to receive credit for this Lab.

1. You need to *replace* the blanks (\_\_\_\_\_\_\_\_\_\_\_\_) with the proper JavaScript code. Everything you need to know was covered in great detail during the lecture on Thursday, November 2. [↑](#footnote-ref-1)