

CSC 170 Lab 9: JavaScript Plugin - Fancybox

Step 1: Prepare images

- ☐ Find and prepare five images that are appropriate for the web. (You can use Google Images to find them)
 - The file formats must be **jpg**
 - Their widths and heights must be identical to each other and about 800px wide
 - Their heights must be less than their width (e.g. 800 x 600)
- ☐ Make COPIES of your five new images, and make their filenames the same as their originals, except that they have “_sm” (indicating “small”) attached to their names like this:
 - kitty1.jpg → kitty1_sm.jpg
 - kitty2.jpg → kitty2_sm.jpg
 - et cetera
- ☐ Edit each of the “_sm” versions of your images in an image editor¹. Reduce their dimensions to 100px wide. Make sure their aspect ratio stays the same.

(Keep all 10 of these files handy. You’ll need them in the next step.)

Step 2: Download and Distribute the Starter files

- ☐ From the Lab 9 assignment in Blackboard, download the file: **lab09 starter-files.zip** and extract the folder named **Lab 9** to your desktop or thumb drive.
- ☐ Also download the file **fancybox.zip** and expand it as well.
- ☐ Add the **fancybox.css** file to the **css** folder
- ☐ Add the two **.gif** files and the three **.png** files to the **css** folder (*not* the images folder!)
- ☐ Add the **fancybox.js** file to the **js** folder
- ☐ Add your 10 **.jpg** files (from Step 1) to the **images** folder. (Note: there should be a total of 13 **.jpg** files in that folder.)

Step 3: Stitch-in jQuery and the Plugin

Edit the **index.html** file...

a) Add jQuery

- ☐ At the bottom of the HTML, just above the closing `</body>` tag, add a link to jQuery using the `<script>` element. (You can use this CDN: <http://code.jquery.com/jquery.js>)

b) Add the jQuery plugin: fancybox

- ☐ Just below the link to jQuery (above the closing `</body>` tag), add a link to the **fancybox.js** file in the **js** folder using the `<script>` element.

¹ On the Macs in in the Labs, you can use Photoshop. On your own Mac, you can use “Preview”. On your own PC, you can use “Paint”.

c) Add the CSS that comes with fancybox

- ☐ In the <head>, just below the existing <link> element to the CSS file, add another <link> to the **fancybox.css** file in the **css** folder.

d) Initialize the plugin

- ☐ At the bottom of the HTML, below the two <script> elements that connect the two library files, and another <script> element where you'll enter some embedded JavaScript to initialize the plugin like this:

```
<script>
$('.fancybox').fancybox();
</script>
```

e) Setup the HTML content

Edit the **index.html** file, in the <aside> between the existing H2 and paragraph...

- ☐ In the HTML, using the IMG element, embed the five small versions (..._sm.jpg) of the images you prepared in your **images** folder.
 - They can be just one after another, in any order.
 - Make sure all five images have appropriate **alt=""** attributes
- ☐ Around each of the five images tags, write anchor tags that link to the relative large image for each, like this...

```
<a href="images/_____.jpg">
  
</a>
```

```
<a href="images/_____.jpg">
  
</a>
```

...et cetera, for all five.

- ☐ Within each of the five **anchor tags** (the ones you just wrote in the step above), add the **class="fancybox"** to each.²
- ☐ Within *each* of the five anchor tags, also add a **rel** attribute like this...
rel="popup"
- ☐ Within each of the five anchor tags, also add a title attribute like this...
title="Some words that you want to appear with your image"

Also edit the **index.html** file to apply the fancybox feature to the existing *bear* image.

- ☐ In the <article> element, find the existing element. In the anchor tag (the <a...>) that wraps it, add the **class="fancybox"** to it. (Add the class to the anchor, *not* the image element.)

² On the anchor tags – *NOT* the img tags

- ❑ Also add to that anchor tag (the <a...>) a title attribute that says something like:
title="Bears will kill you" ...or whatever.

Part 4: Check and Upload your Work

- ❑ Validate the HTML file (<http://validator.w3.org/>)

NOTE: the W3C validator will highlight FIVE errors - something about *bad value popup for attribute rel*. Those errors are not your fault. They are caused by the author of the plugin. (Bad coding practices!) You do not have to fix those errors.

When you are done with your webpage, use an FTP tool to access your account on _____**.rochestercs.org** to create a folder: **lab09** and upload all your files into it.

- ❑ In a web browser (any), go to this address to check your handiwork:
***accountname*.rochestercs.org /lab09**
(where "*accountname*" is your account name)

Part 5: Report your work

- In our Blackboard section, in Lab 9, post a link to your webpage to receive credit for this Lab.