
Web-Based Application Design and Development (ITIS 3135)**Activity #10: Image Swap Application with Animation**

The goal of this activity is to modify the Image Swap application (refer to swap in ch08) so that it uses effects and animation to display and hide the images. The user interface following a click of the second thumbnail should look like the image below.

Ram Tap Combined Test



James Allison: 1-2



[Validate HTML](#) [Validate CSS](#)

Part 0: Download files

1. Download **Activity10.zip** and unzip all files.
2. Verify that there are no errors in any of the files.
3. Rename the files to ***Lastname-Activity10.html***, ***Lastname-Activity10.js*** and ***Lastname-Activity10.css***.
4. Review the current html, css, and js files and make sure you understand them. Run the application, to see how it works now by clicking on each thumbnail.

Web-Based Application Design and Development (ITIS 3135)**Part 1: Modify code**

1. In the JavaScript file, add statements that preload the images.
2. Then add statements in the click event handler for the thumbnails that fades the caption (id="caption") and the image (id="image") out over a duration of three seconds. Make sure to cancel the default action of the <a> link.
3. Add statements in the click event handler that displays the new caption and image so the caption and image are faded in over a duration of three seconds.
4. Then, run the application to see that this doesn't work the way you might expect. Instead, the new caption and image are displayed and then faded out and back in.
5. Now implement the fade in of the new caption and image as a callback function and add it to the fadeOut() call that fades out the caption and image. Run the application and see that the old caption and image fade out before the new caption and image start to fade in.
6. Add statements so that, once the image fades in, the font size of the caption increases to 2.0 em after three seconds using the animate method.
7. Add statements to move the focus to the first thumbnail after the application is loaded and indicate the focus of a new thumbnail then it is clicked.
8. Verify there are no errors.

Part 2: Upload files to your Exercise folder in your webpages account

Verify that your final webpage is accessible by going to

<https://webpages.uncc.edu/yourUsername/Exercise/Lastname-Activity10.html>

Part 3: Turn in your activity

1. Log in to Canvas.
2. Go to the Activity #10 Submission link on the Canvas page. Upload the upload the .html, .css and .js files to the submission page.
3. In the Comments textbox of Canvas provide:
 - a. the URL of your html file on the web server. You must provide the correct URL to get credit.