HTML5 Specialist Designation Program

Lab Exercise #4

We'll be practicing creating hyperlinks in this lab exercise.

Lab Instructions

1) Run your Brackets development environment.

2) With Brackets running, choose File → New to open a new document. You should see the cursor flashing on the first line.

3) Immediately save your document using File → Save from the drop-down menus. Navigate to a folder where you'd like to save your lab exercise. Save your lab under the file name **image_gallery1.html**.

Saving your lab at this point will allow you to take advantage of the syntax highlighting features available in brackets.

4) First you will need to key in the basic document structure. Be careful to key in the HTML5 code below exactly as it appears.

```
<!DOCTYPE html>
<html>
    <head>
        <title>Lab #4</title>
    </head>
    <body>

    </body>
</html>
```

We're using **Lab #4** as the content for the title tag in this case.

5) In this project you are going to create an image gallery. To prepare choose five images that you'd like to include in the gallery. Make sure they are all sized reasonably for your gallery (about 800 pixels across).

If you need to resize your images you can visit http://www.picresize.com/ which will allow you to resize your images to about 800 pixels wide.

6) Place those images in the same folder as your

HTML5 code. In the body element of your HTML5 document write code to display your image on the page. Save your HTML5 document and verify that your image is displaying correctly in the browser. Make any necessary corrections.

6) Create a new HTML5 document and save it as **image_gallery2.html**. Place your basic document structure on the page and place your second image in the body of your document. Verify all is correct by saving your document and displaying it in the browser.

7) Repeat this procedure to create pages called **image_galleryx.html** for images three, four and five. You now should have five html pages that each display a separate image. The pages should be named:
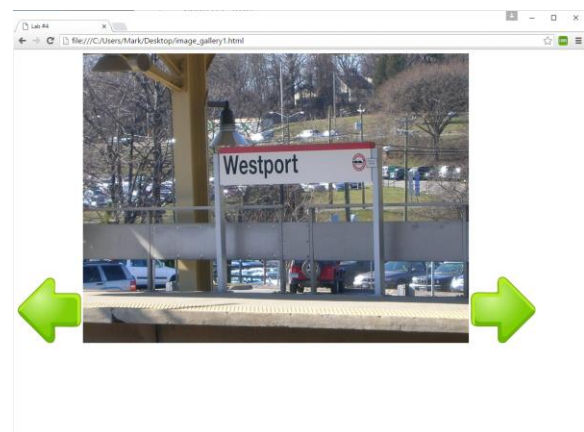
image_gallery1.html
image_gallery2.html
image_gallery3.html
image_gallery4.html
image_gallery5.html

8) Use the File → Open command to reopen image_gallery1.html.

9) Download the arrow images below from https://s3-us-west-2.amazonaws.com/labcontent/arrows.zip:

10) Place your arrow images to the left and right of your image so your page looks similar to the page below:

11) Next we're going to create image links so that clicking the arrows moves the user from one page to the other. Create an internal link for the right arrow graphic that points the browser to image_gallery2.html. Create an internal link for the left arrow graphic that points the browser to image_gallery5.html.

12) Using the <h2> element, create a short caption that will appear underneath your photograph and arrows. Your code should appear similar to the following code listing:

```
<!DOCTYPE html>
<html>
    <head>
        <title>Lab #4</title>
    </head>
    <body>
        <a href="image_gallery5.html"><img
src="arrow-3D-green-left.jpg" /></a>
        <img src="westport.jpg"
alt="Westport, Connecticut Train Station"
/>
        <a href="image_gallery2.html"><img
src="arrow-3D-green-right.jpg" /></a>
        <h2>The Westport, Connecticut
Railroad Station about 1 Hour from New
York City</h2>
    </body>
</html>
```

13) Repeat steps 10-12 for all of the four additional pages in your photo gallery.

14) Open any page from your photo gallery in your browser. Test the arrows in both directions to make sure your photo gallery is continuous and there are no broken links or images.

Challenge Yourself
Enhance your skills by attempting the exercises below.

1) Using audio/video files add a couple of pages to your gallery that include multimedia elements such as videos. Again, make sure they are sized consistently to keep the gallery looking neat. You will need to adjust your links so that the pages are all continuous and include your new pages.

2) Put your pages on the web. We've arranged a special deal with Blue Host. Visit **http://www.bluehost.com/track/learntoprogram/** and click "Get Stated Now." You will be able to access web hosting plans as low as $3.49 a month. Once Blue Host takes you through the process of creating your domain and web server upload your lab and post the URL for the others in the class to see.