CS 337 – Spring 2014

Midterm – 200 points

===== Time =====

Normal time allowed: 75 minutes

-10 points if received after 6:45; -20 points if received after 6:55; -40 points if received after 7:05; -20 points for every 10 minutes after that.

===== Setup =====

You are allowed to use an editor (any editor) and a browser (any browser).

You are NOT allowed to browse to any site other than the page you are working on. And no, you are not allowed to visit any validation site.

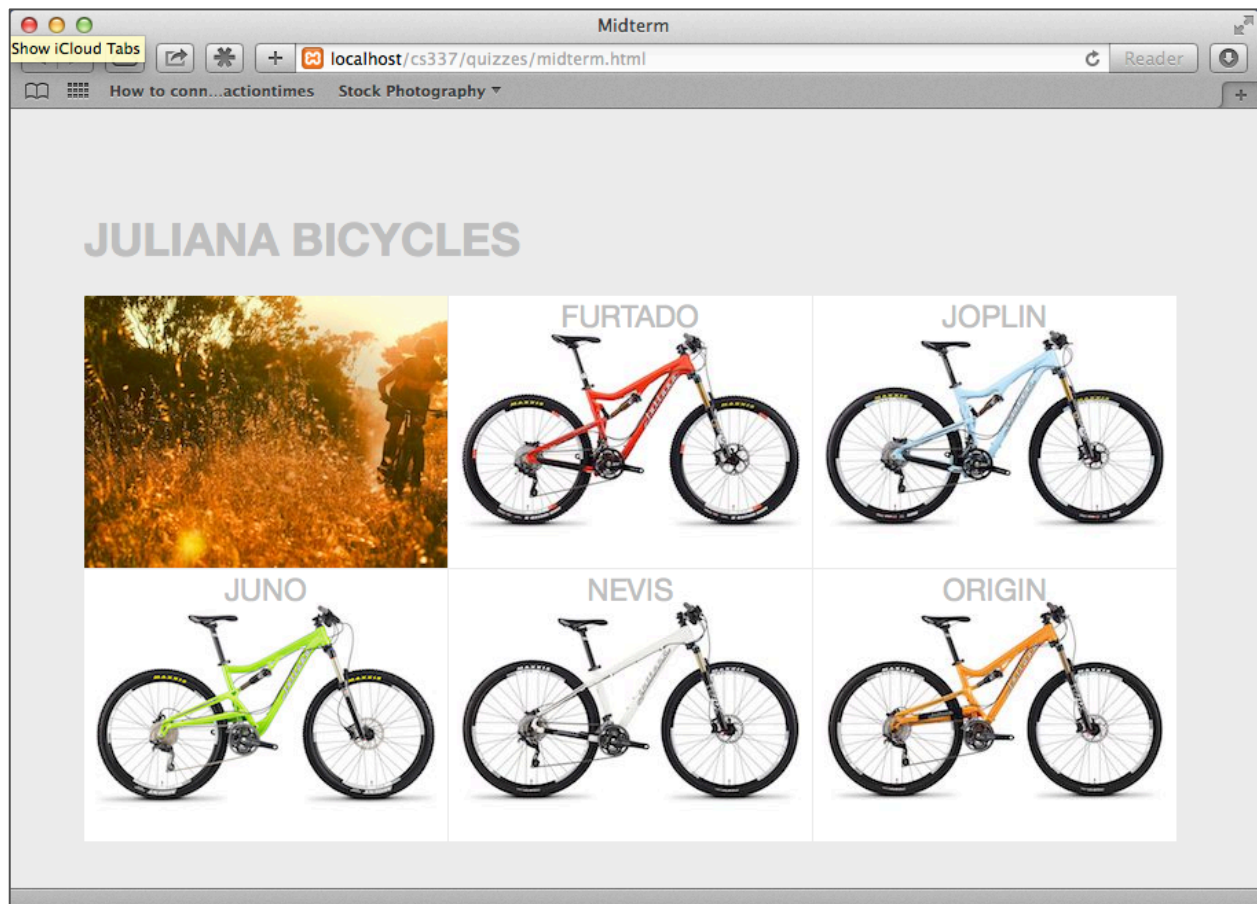You will NOT communicate with anyone inside or outside of class.

You may use notes.

You may use your own laptop.
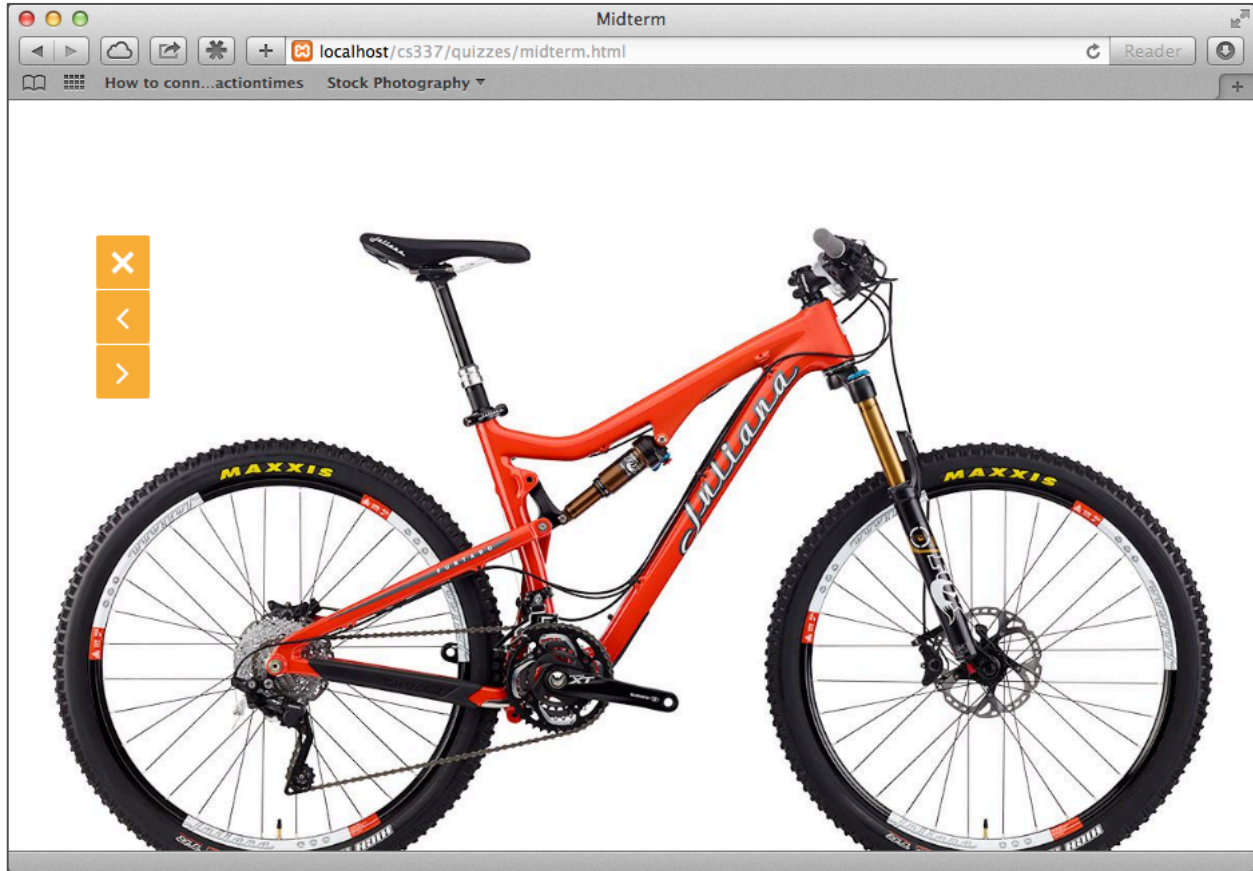
===== Instructions ======

Download the zip file Midterm from Canvas (ACCESS CODE: bicycles). The file contains, an HTML file, thirteen images, a JS file, a CSS file, and jQuery. You will need to edit the HTML file, the JS file, and the CSS file in order to receive full credit.

In the images folder, there are graphics of five bicycles and a rider in a field. Each graphic has a small version and a large version.

The website that you will complete will look like the following:

When any of the six images (including the person in the field), a the image is viewed fullscreen with a navigation. Some of the bottom of the picture can be cut off depending on the size of your browser window, but for the most part should scale with the window.

--- HTML Tasks ---

1. (30 points) Make the page valid HTML 5 that includes all of the elements that we talked about should go into an HTML document (-5 points (max 20) for each error).

2. (30 points) Wrap each span in an element with the ID being the name of the bike with the class of 'modal' (-5 points (max 20) for each one that is missing). The first span is for the picture of the rider and ID of the element of the element that wraps around the span should be 'rider'. Doing this should make the images appear (see the CSS file).

--- CSS Tasks ---

3. (30 points) The navigation is in a sprite using the image navigation.png. Make it so that the top navigation item is the x, the second is the less than symbol, and the last the greater than symbol in the navigation.png graphic (-7 points (max 21) for each piece that isn't correct). Just making the navigation text does not count. (Hint: You may want to wait till you do the JS tasks before doing this task).

4. (15 points) Make all the text on the page uppercase (-3 points (max 15 points) for each text that is not uppercase.

5. (15 points) Put all of the graphic containing elements on the page into two rows with three elements each (-6 points for using a table element).

6. (15 points) Make it so that the navigation does not have bullets.

--- JS tasks ---

7. (20 points) Make it so that when the changeImage() function is called, the lightbox div gets filled with an image of the desired graphic (hint: notice how on lines 3-6 that the current bike is set to the id of the element that was clicked on) and is shown on the page (-3 points for each image that doesn't get loaded properly). The navigation should also be displayed (hint: there is a 'front' CSS class).

8. (20 points) Make it so that when the prev() or next() functions are called, that the image in the lightbox changes to next or previous bike by calling changeImage(). Skip the graphic of the rider (hint: use the array).

9. (20 points) Make it so that when the shut() function is called, the lightbox div and the navigation hide or move off of the screen (hint: there is a 'front' CSS class).

10. 5 Free points

===== Turn in =====

Submit a zipped file of your work on Canvas.