**Lab 4**

*Project 1: Share Your Travel Photos*

**Overview**

Demonstrate your proficiency with CSS floats along with margins and padding by modifying chapter05-project01.css so that chapter05-project01.html looks similar to that shown in Figure 5.38.

**Instructions**

1. Examine chapter05-project01.html in the browser. The HTML does not need to be modified for this project.

2. Change the margins and padding of the <article> element. For most of the margins, paddings, widths, and heights, you should use em units.

3. Use the techniques from Sections 5.3.3 and 5.3.4 to display the content within the <article>. The <footer> uses the same float techniques. It is okay to use pixel units for the overlapping elements.

4. The colors used in this example are: #F5F5F5, #FF8800, and #474747. You are also free to use whatever colors you like.

**Testing**

1. Be sure to test in more than one browser and also try increasing/decreasing the browser zoom level. If you have used em units for font sizes and most margin and padding values, it should scale to the different zoom levels.

*Project 2: Book Rep Customer Relations Management*

**Overview**

Demonstrate your proficiency with absolute positioning and floats by modifying chapter05-project02.css so that chapter05-project02.html looks similar to that shown in Figure 5.39.

**Instructions**

1. Examine chapter05-project01.html in the browser. The HTML does not need to be modified for this project.

2. You will create the three-column layout using absolute positioning and margin settings as described in Section 5.4.1.

3. Within the main column, the company and client addresses will use floats rather than positioning.

4. Within the boxes for recent messages, weekly changes, and top sellers, you will need to use floats, block display, and padding values.

**Testing**

1. Be sure to test by increasing/decreasing the browser zoom level. If you have used em units for font sizes and most margin and padding values, it should scale to the different zoom levels.

*Project 3: Art Store*

**Overview**

Use the Bootstrap CSS framework (included and available from the web) as well as modify chapter05-project03.css and chapter05-project03.html so it looks similar to that shown in Figure 5.40.

**Instructions**

1. Examine chapter05-project03.html in the browser. You will need to add a fair bit of HTML in accordance with the Bootstrap documentation. Since you can use the various Bootstrap classes, you will need to write very little CSS (the solution shown in Figure 5.40 has fewer than ten rules defined).

2. The first step will be defining the basic structure. Figure 5.40 shows that most of the content is contained within a main row (i.e., below the navbars and above the footer) that is composed of two columns (one 10 wide, the other 2 wide). The Bootstrap grid classes (e.g., col-md-10) are shown at the top of the figure. One of the columns has a nested row within it that contains the painting image and the data on the painting.

3. Figure 5.40 identifies the other Bootstrap components that are used in this project. You will need to use the online Bootstrap documentation for more information on how to use these components

**Testing**

1. Be sure to test by increasing/decreasing the size of the browser window. If you shrink the browser window sufficiently it should use the built-in Bootstrap media queries to adapt nicely to the smaller window size. This will require you to construct the navbars with the appropriate collapse classes.



