Assignment 01

Project Lists/Descriptions

Submission deadline: Oct. 29 23:59 (Seoul, Korea)

N1	**Chapter 3. Hands on Practice Project 3.3**	Descriptions about Project 2.3 are included at appendix of this document.
N2	**Chapter 4. Hands on Practice Project 4.3**	
N3	**Chapter 5. Hands on Practice Project 5.1**	
N4	**Chapter 5. Hands on Practice Project 5.2**	
N5	**Chapter 5. Hands on Practice Project 5.3**	
App	Chapter 2. Hands on Practice Project 2.3	

Reference Materials on eClass "open bulletin board"

N1: Chapter 3. Hands on Practice Project 3.3

PROJECT 3: Art Store

DIFFICULTY LEVEL: Advanced

Overview

This project builds on the art store example from the previous chapter (Project 2.3), but purposefully leaves you having to dig a little deeper into CSS.

Instructions

1. Create a new file named chapter03-project03.html and remove all default styles via a reset.css stylesheet, as done for the previous two projects.
2. Modify chapter03-project03.html and an associated style sheet so that your output looks similar to that shown in Figure 3.31. Do not modify the markup within the <body> element.

3. You will have to use a CSS3 feature that will require some research on your own. The background-size property can be used to force a background image to resize to the browser window.
4. Notice that two of the blocks in Figure 3.33 are partially transparent. Remember that CSS3 allows you to specify the alpha transparency of any color.
5. Finally, the header uses the font Six Caps, which will have to be supplemented with other options in the font stack in the event that font is not present on the client's computer.

FIGURE 3.33 Completed Project 3

N2: Chapter 4. Hands on Practice Project 4.3

DIFFICULTY LEVEL: Advanced

Overview

Edit Chapter04-project03.html and Chapter04-project03.css so the page looks similar to that shown in Figure 4.32.

1. Create the form and position the elements by placing them within a table. While we do not believe that this is best practice, legacy sites often use tables for layout so it may be sensible to get some experience with this approach. In the next chapter, you will learn how to use CSS for layout as a better alternative.

2. For the drop-down lists, add a few sensible items to each list. For the checkbox list, they should be an array of elements. Notice also that this form makes use of a number of HTML5 form elements.

Test

1. Test the form in the browser. Verify that the output from process.php matches that shown in Figure 4.32. Because this form uses HTML5 input elements that are not supported by all browsers, be sure to test in more than one browser.
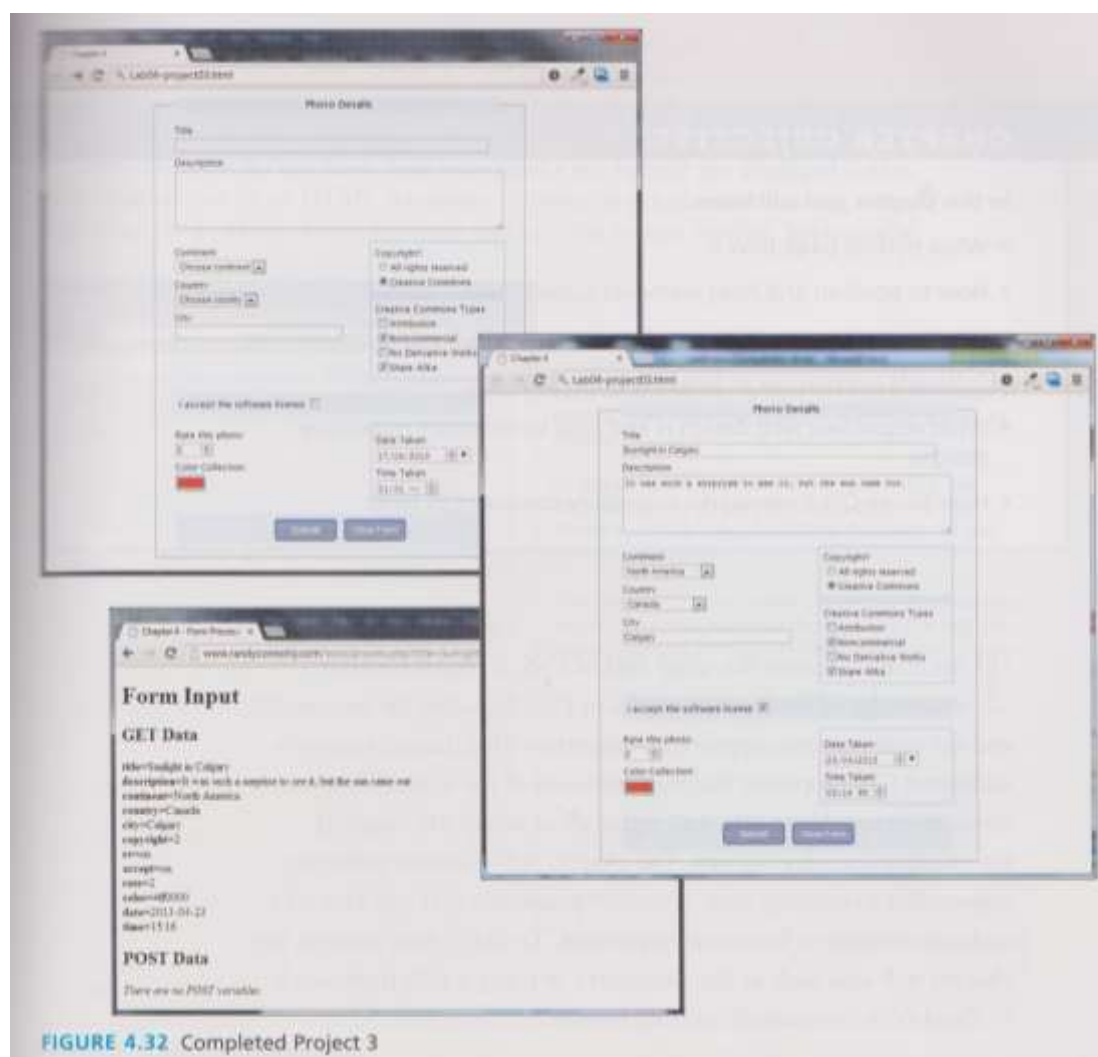

FIGURE 4.32 Completed Project 3

N3: Chapter 5. Hands on Practice Project 5.1

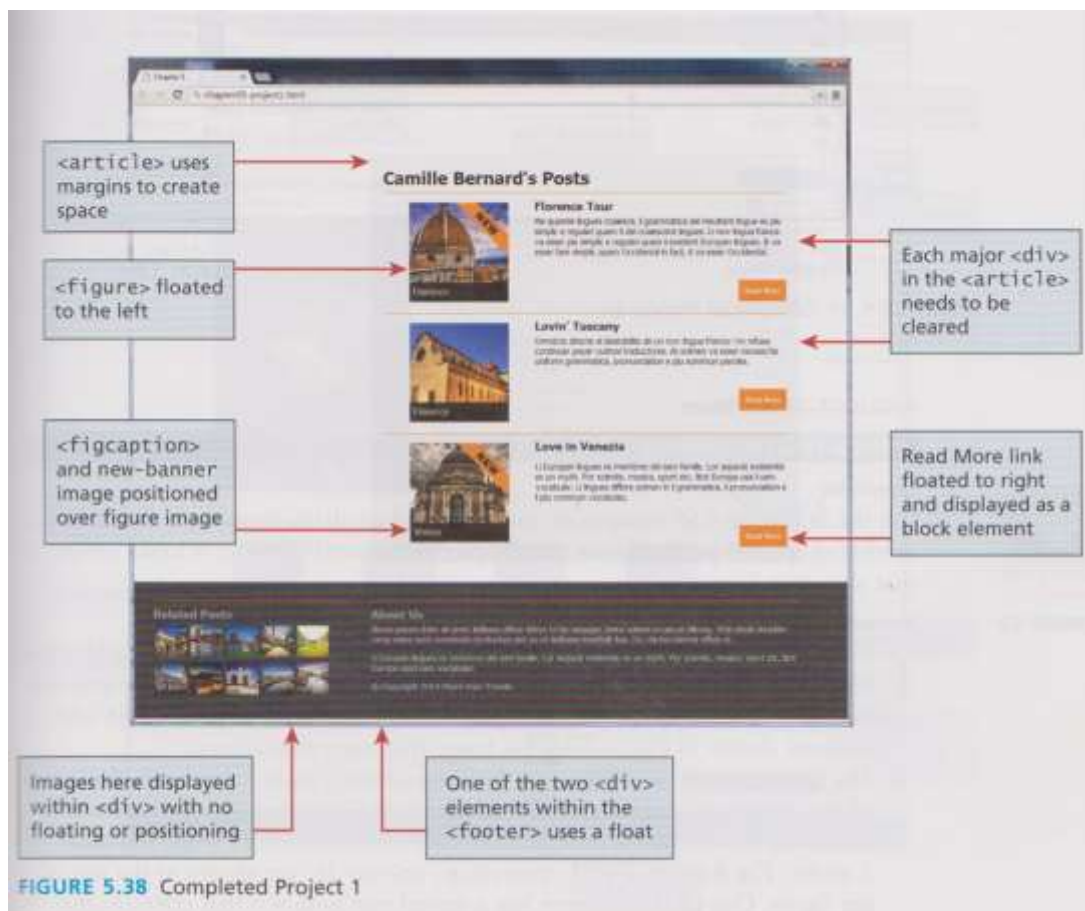PROJECT 1: **Share Your Travel Photos**

DIFFICULTY LEVEL: Basic

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.

FIGURE 5.38 Completed Project 1

N4: Chapter 5. Hands on Practice Project 5.2
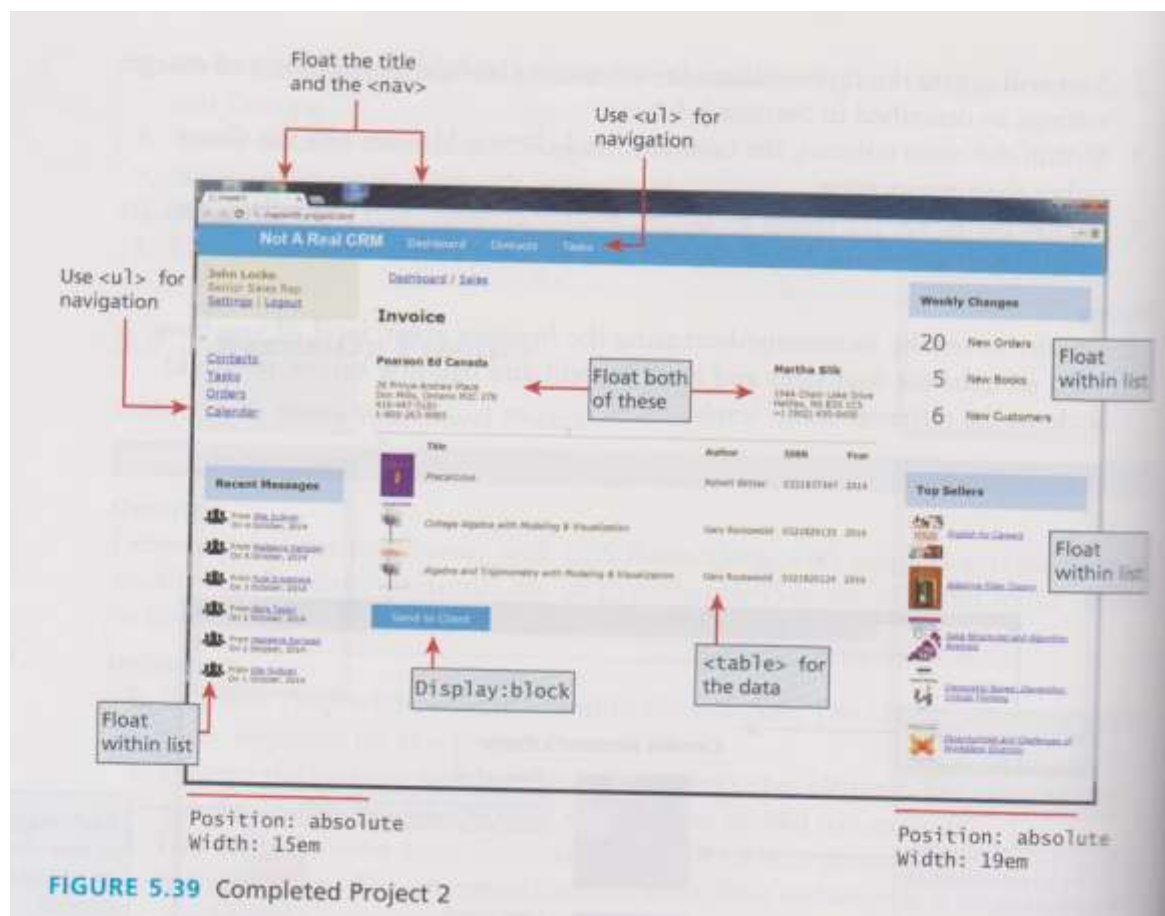
DIFFICULTY LEVEL: Intermediate

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.

FIGURE 5.39 Completed Project 2

N5: Chapter 5. Hands on Practice Project 5.3

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.
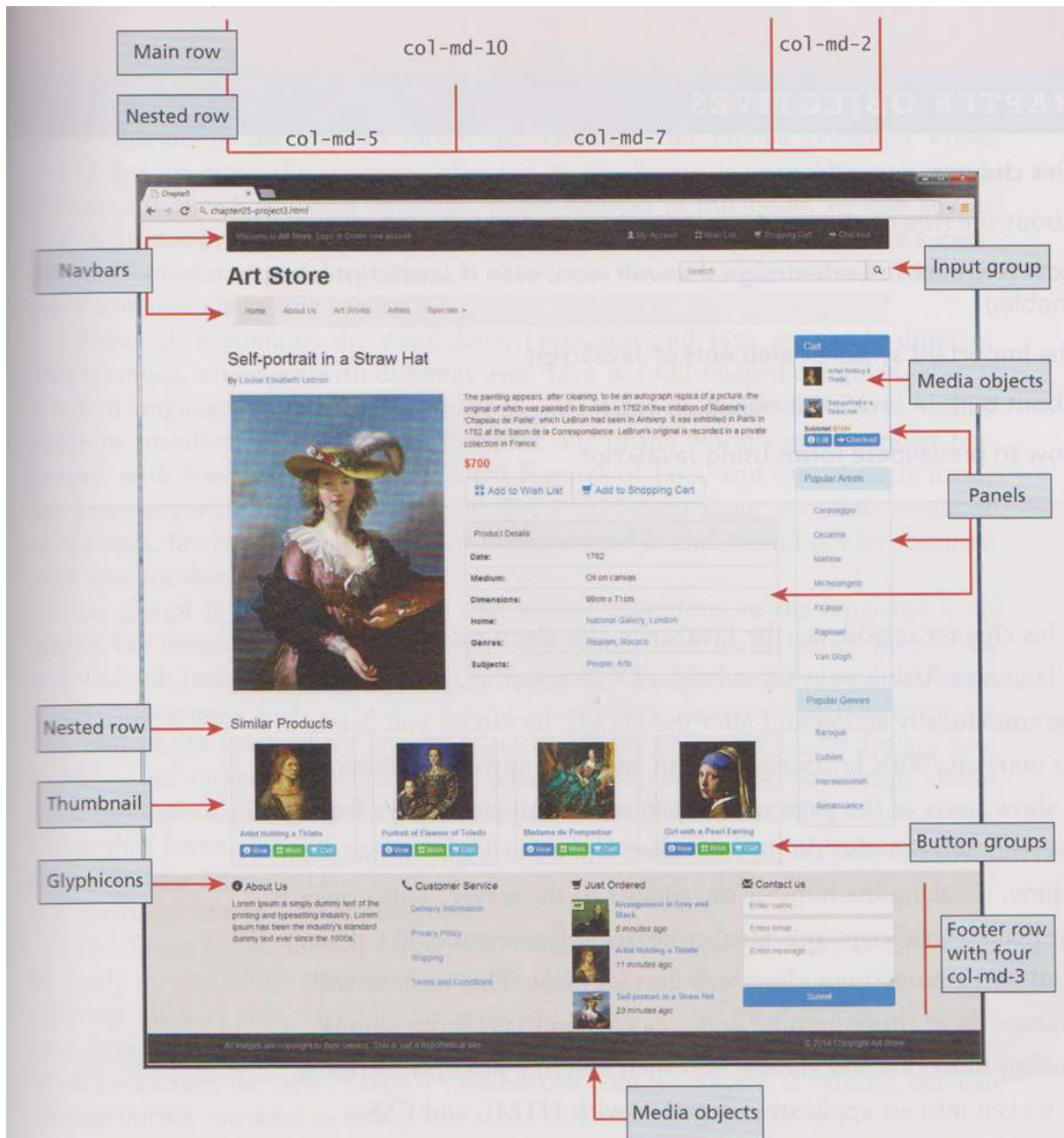
FIGURE 5.40 Completed Project 3

Appendix. Chapter 2. Hands on Practice Project 2.3

PROJECT 3: Art Store

DIFFICULTY LEVEL: Advanced

Overview

This project is the first step in the creation of an art store website. Unlike the previous exercises, your task is to create an HTML page from scratch based on the image in Figure 2.25.

Instructions

1. Define your own chapter02-project03.html file in the editor of your choice, and open it in a browser.
2. Add markup and content, making best guesses as to what HTML markup to use.
3. Remember to try and get in the habit of using semantic markup, since it adds meaning and has no visual impact.

Test

1. Display your page in a browser, and determine if it looks like Figure 2.25.

Note the accent on the e character in Rivière.

Link to larger version. Also, don't forget alt and title attributes.

All links can just be to "#"

FIGURE 2.25 Completed Project 3