CSCI 102 - Computer-Mediated Communications

Spring 2020
Laboratory Assignment 4
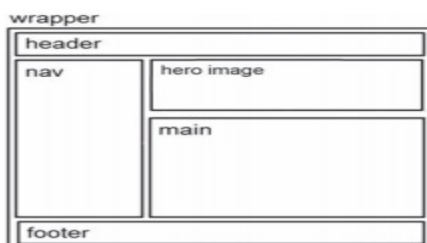**CRN 21397**

Objectives

1. Create a new folder for this case study.

2. Modify the style rules in the pacific.css file to configure a two-column page layout.

3. Modify the Home page to implement the two-column page layout

4. Modify the Yurts page to be consistent with the Home page.

5. Modify the Activities page to be consistent with the Home page.

You are welcome to use your book as a resource as well as online lectures. Feel free to email your TA or instructor if you have questions about the lab.
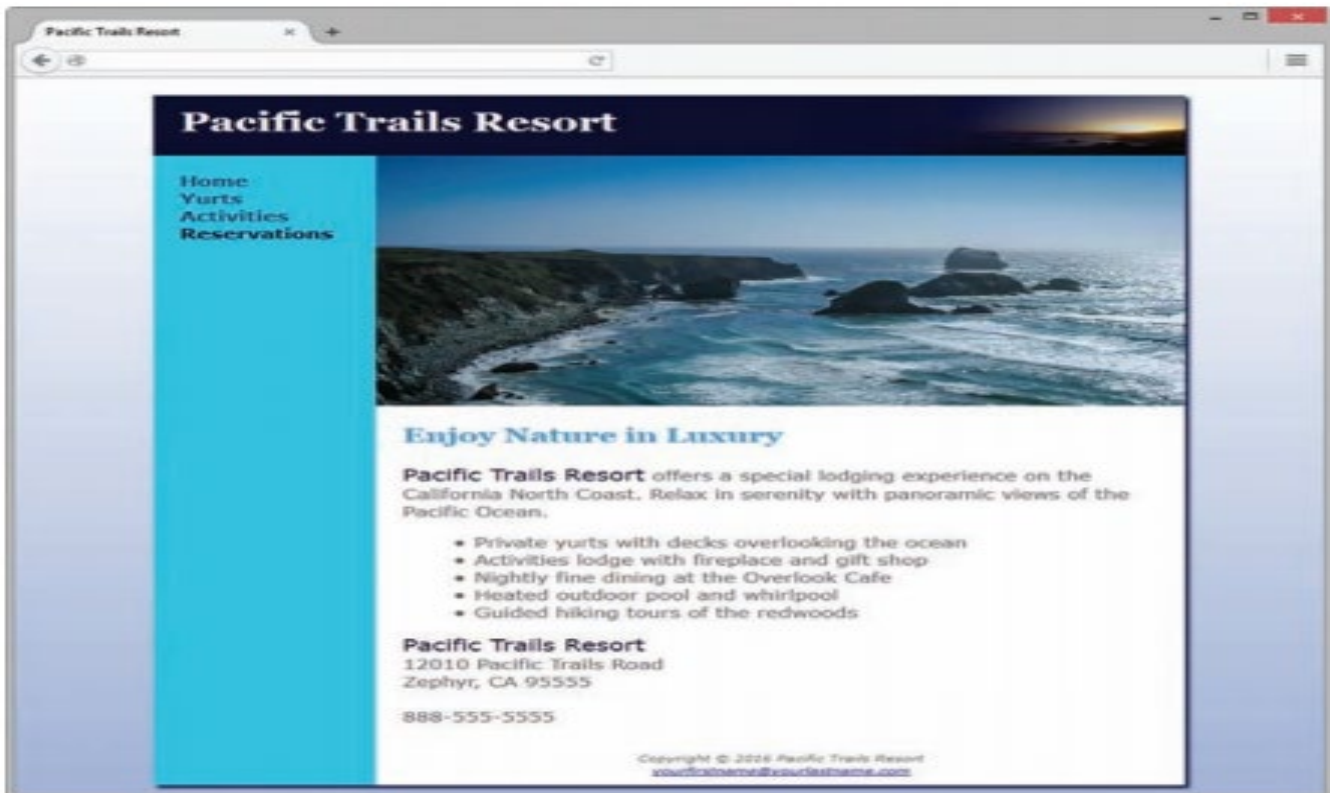
READ ALL THE INSTRUCTIONS CAREFULLY.

Task 1: Create a new folder naming it Lab4 in your secret folder.

a. Copy all your files from the Lab3 folder into Lab4 folder.

b. Create a new folder with the name images.

c. Copy all the images to be used in this study from canvas.

d. Save the files in your images folder.

Two-column page layout with wrapper, header, nav, main content, hero image, and footer areas.

Task 2: Configure the CSS. Open pacific.css in a text editor. Edit the style rules as follows:

1. Configure the universal selector with a `box-sizing: border-box` style declaration.

   ```
   * { box-sizing: border-box; }
   ```

2. Modify the `wrapper` id. Change the background color to blue (#90C7E3), which will be the background behind the navigation area.

3. Configure the left-column navigation area. Modify the styles for the nav element selector. Keep the style declaration that configures bold text. Remove the background color declaration. The nav area will inherit the background color of the `wrapper` id. Add style declarations to configure this area to float to the left with a width of 160 pixels. Also configure 20 pixels top padding, 5 pixels right padding, no bottom padding, and 20 pixels left padding.

4. Configure the `:link`, `:visited`, and `:hover` pseudo-classes for the navigation hyperlinks. Use the following text colors: #000033 (unvisited hyperlinks), #344873 (visited hyperlinks), and #FFFFFF (hyperlinks with `:hover`). For example,

   ```
   nav a:link { color: #000033; }
   ```

5. You will organize the navigation hyperlinks within an unordered list in later tasks. The navigation area in Figure 6.56 does not show list markers. Code a `nav ul` descendant selector to configure unordered lists in the navigation area to display without list markers. Also configure the unordered list to have no margin and no left padding.

6. Configure the right-column main content area. Modify the styles for the main element selector. Add style declarations to configure a white (#FFFFFF) background, 170 pixels of left margin, 1 pixel of top padding, and 1 pixel of bottom padding.

7. Configure each hero image area (`#homehero`, `#yurthero`, and `#trailhero`) with a 170 pixel left margin.

8. Configure the footer area. Add style declarations to set a white (#FFFFFF) background color and a 170px left margin.

9. Add the following CSS to be compatible with most older browsers:

```
header, nav, main, footer { display: block; }
```

Save the pacific.css file.

Task 3: Modify the Home Page. Open index.html in a text editor and modify the code as follows:

1. Add the following HTML5 shim code in the head section of the web page after the link element (to assist Internet Explorer 8 and earlier versions):

```
<!--[if lt IE 9]>
<script src="http://html5shim.googlecode.com/svn/trunk/html5.js">
</script>
<![endif]-->
```

2. Configure the left-column navigation area, which is contained within the nav element. Remove any ` ` characters that may be present. Code an unordered list to organize the navigation hyperlinks. Each hyperlink should be contained within `<li>` tags.

Save the index.html file. It should look similar to the web page shown in Figure 6.56. Remember that validating your HTML and CSS can help you find syntax errors. Test and correct this page before you continue.

Task 4: Modify the Yurts Page. Open yurts.html in a text editor. Configure the left-column navigation area, navigation hyperlinks, and HTML5 shim in the same manner as the home page. Save your new yurts.html page and test it in a browser. Use the CSS and HTML validators to help you find syntax errors.

Task 5: Modify the Activities Page. Open activities.html in a text editor. Configure the left-column navigation area, navigation hyperlinks, and HTML5 shim in the same manner as the home page. Save your new activities.html page and test it in a browser. Use the CSS and HTML validators to help you find syntax errors.

In this case study, you changed the page layout of the Pacific Trails Resort website. Notice that with just a few changes in the CSS and HTML code, you configured a two-column page layout.

Task 6: Code this in the footer.

```
<script>

        var date = document.lastModified;

        document.write(date);

</script>
```

Task 7: Turning in your Work

To complete the lab, submit your **URL/zipped** folder for the exercise.

Your URL should be:

http://myweb.students.wwu.edu/~(login name)/CS102/(secret folder)/Lab1/index.html

Replacing (login name) with your login name and (secret folder) with your secret folder name.

- If your login name is nana24 and your secret folder is MonaLisa, then the web address for your page is:

http://myweb.students.wwu.edu/~nanab24/CS102/MonaLisa/Lab1/index.html

- Note, if you double-click the file you saved in the folder directly, a web page will appear beginning with file://. This is the wrong web address; your TA and your instructor will NOT have access to your work through this address.

Your zipped folder should be:

- **Lab1last_name.zip**

All work should be turned in as a Canvas **URL/zip** submission as described above. I recommend double-checking that your submission is complete. Late assignments, broken URLs, or incorrect submission items will be penalized two points per 24-hours passed from the due date.

Points Breakdown

Correctly modify the style rules in the style.css - **8 points**

Correctly modify the Home page - **4 points**

Correctly modify the Yurts page to be consistent with the Home page. – **4 points**

Correctly modify the Activities page to be consistent with the Home page – **4 points**