Computer Science Department

CSCI 102 - Computer-Mediated Communications

Spring 2020

Laboratory Assignment 3
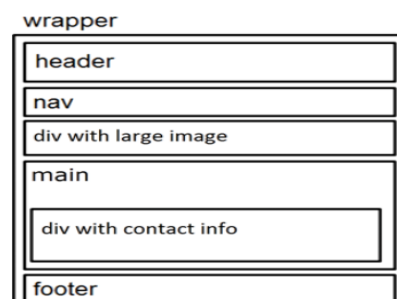
CRN 21397

Objectives

1. Create a new folder for this case study, and obtain the starter image files.

2. Modify the Home page

3. Modify the Classes page.

4. Create a Schedule page.

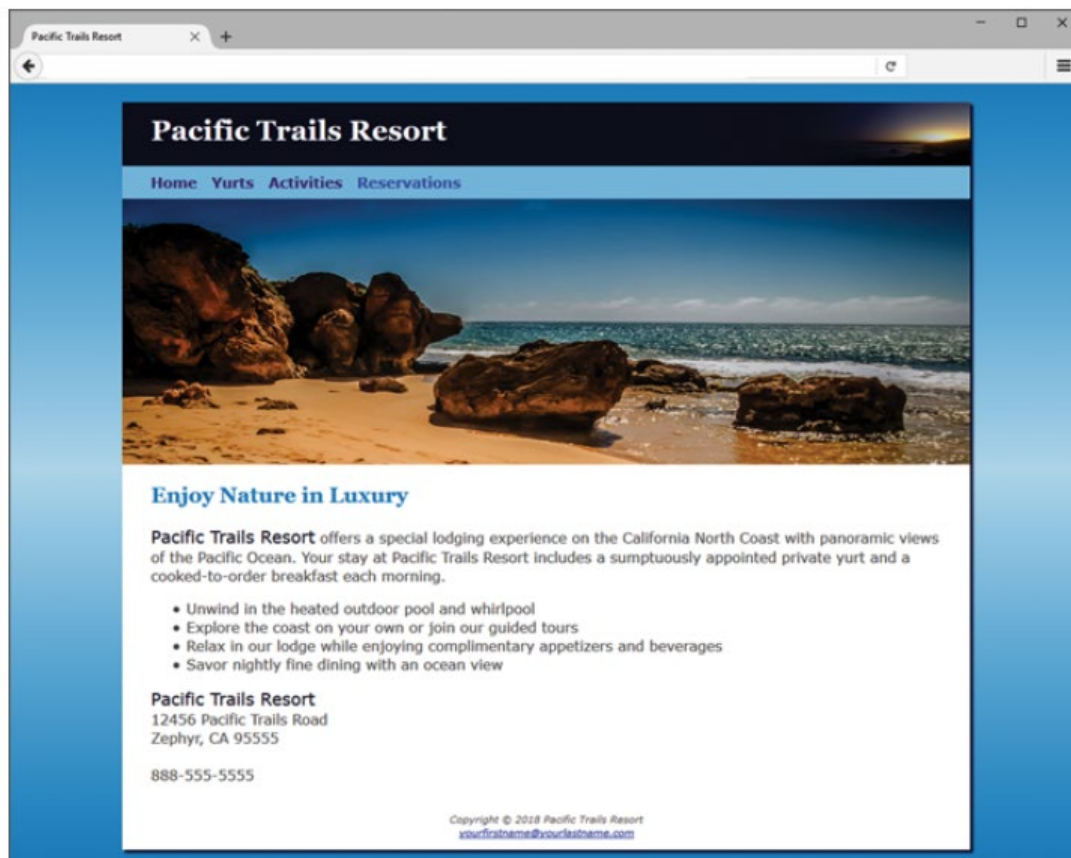5. Modify the style rules in the style.css.

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 OF THE INSTRUCTIONS CAREFULLY.

Task 1: Create a new folder naming it Lab3 in your secret folder.
   a. Copy all your files from the Lab2 folder into Lab3 folder.

   b. Create a new folder with the name images.

   c. Copy all the images to be used in this study from canvas. The images are in yoga folder. The images are lilyheader.jpg, yogadoor.jpg, yogalounge.jpg, and yogamat.jpg.

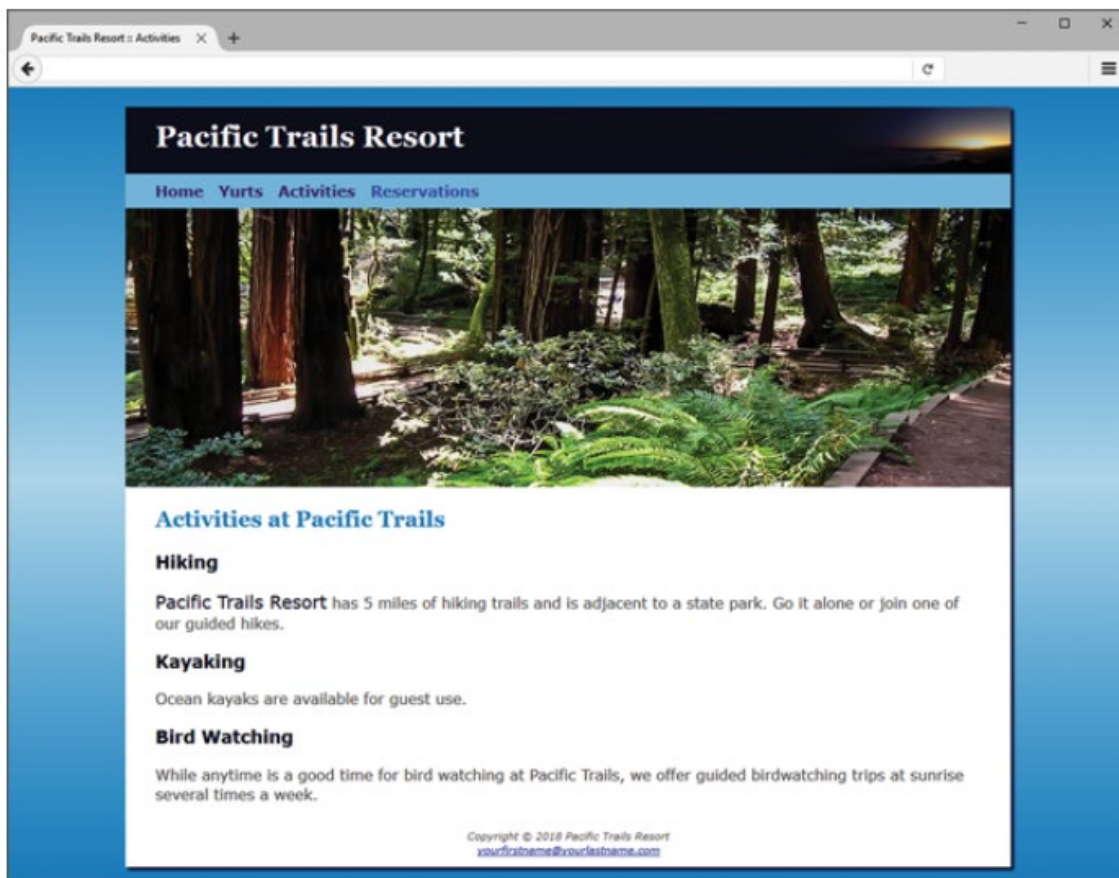   **d.** Save the files in your images folder.

New Pacific Trails Resort Home page

TASK 2: THE HOME PAGE. Launch a text editor, and open the index.html file from your pacific4 folder. Modify the index.html file to look similar to the web page shown in Figure 4.52🔲. Configure a div element to display the coast.jpg image. Code an opening div tag assigned to the id named `homehero` after the closing nav tag. Next, code a closing div tag. As shown in the wireframe in Figure 4.51🔲, this div is located between the nav element and the main element. There is no HTML or text content for this div. The purpose of this div is to display a large image (configured with CSS in Task 5).

TASK 3: THE YURTS PAGE. Launch a text editor, and open the yurts.html page from your pacific4 folder. Configure a div element to display the yurt.jpg image. Code an opening div tag assigned to the id named `yurthero` after the closing nav tag. Next, code a closing div tag. As shown in the wireframe in Figure 4.51🔲, this div is located between the nav element and the main element. There is no HTML or text content for this div. The purpose of this div is to display a large image (configured with CSS in Task 5). Save and validate your new yurts.html page.

Pacific Trails Resort activities.html

TASK 4: THE ACTIVITIES PAGE. Use the Yurts page as the starting point for the Activities page. Launch a text editor, and open the yurts.html file in the pacific4 folder. Save the file as activities.html. Modify the activities.html file to look similar to the Activities page, as shown in Figure 4.53⬚:

1. Change the page title to an appropriate phrase.
2. Change the text in the `<h2>` to be "Activities at Pacific Trails".
3. Modify the div assigned to the id `yurthero`. Replace `yurthero` with `trailhero`.
4. Delete the description list from the page.
5. Configure the following text, using h3 tags for the headings and paragraph tags for the sentences:

   Hiking

   Pacific Trails Resort has 5 miles of hiking trails and is adjacent to a state park. Go it alone or join one of our guided hikes.

   Kayaking

   Ocean kayaks are available for guest use.

   Bird Watching

While anytime is a good time for bird watching at Pacific Trails, we offer guided birdwatching trips at sunrise several times a week.

6. Configure a span element to contain the phrase "Pacific Trails Resort" in the first paragraph on the page. Assign the span to the class named `resort` .

1. Modify the body element selector style rules. Change the background color to `#3399CC` . Configure a CSS gradient with three color stops as the background image as shown here: background-image: linear-gradient(to bottom, `#3399CC` , `#C2E0F0` , `#3399CC`)

2. Modify the style rules for the `wrapper` id. Configure the background color to be `#FFFFFF` . Configure a minimum width of 700px (use `min-width`). Configure a - maximum width of 1024px (use `max-width`). Use the `box-shadow` property to configure a drop-shadow effect.

3. Modify the style rules for the h1 element selector. Configure the sunset.jpg as a - background image that displays on the right and does not repeat. Set left padding to 2em. Configure a 72-pixel height (the same height as the background image).

4. Modify the style rules for the nav element selector. Set top, right, and bottom padding to .5em. Set left padding to 2em.

5. Modify the style rules for the footer element selector. Set padding to 1em.

6. Add a new style rule for the h3 element selector to display `#000033` text color.

7. Add a new style rule for the main element selector that configures 2em of left and right padding. You may need to nudge Internet Explorer to display the page as intended by adding the display: block; declaration (see Chapter 6▢).

8. Add a new selector for an id named `homehero` . Code declarations to configure 300px height and to display the coast.jpg background image to fill the space (use background-size: 100% 100%;) without repeating.

9. Add a new selector for an id named `yurthero` . Code declarations to configure 300px height and to display the yurt.jpg background image to fill the space (use background-size: 100% 100%;) without repeating.

10. Add a new selector for an id named `trailhero` . Code declarations to configure 300px height and to display the trail.jpg background image to fill the space (use background-size: 100% 100%;) without repeating.

11. Code a new style rule to prevent the hyperlinks in the nav area from displaying the default underline. Use nav a { text-decoration: none; }

12. Save the pacific.css file. Test your pages (index.html, yurts.html, and activites.html) in a browser. Your pages should look similar to Figures 4.52▢ and 4.53▢ except that you'll see some extra space between the header and navigation area. Let's do something about that. We'll need to use the CSS margin property, which you'll explore in depth in

Chapter 6□. Modify the style rules for the h1 selector to set the bottom margin to 0 with the following code:

```
margin-bottom: 0;
```

Task 6: Code this in the footer of your HTML.

```
<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.

The last date for submission of Lab assignment is 11:59pm Saturday May 2, 2020

Points Breakdown

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

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

Create a Schedule page - **6 points**

Correctly modify the style rules in the style.css – **6 points**