



CSCI 102 - Computer-Mediated Communications

Spring 2020

Laboratory Assignment 7

CRN 21400

Objectives

1. Create a new folder for this case study.
2. Modify the style sheet (style.css) to configure style rules for the new table.
3. Modify the Yurts page to use a table to display information.
4. Modify the style sheet (style.css) to configure style rules for the new form.
5. Create the new Reservations page.
6. Configure HTML5 form controls.

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 Lab7 in your secret folder.

- a. Create a new folder called Lab7.
- b. Copy all your files from the Lab6 folder into Lab7 folder.

Pacific Trails Resort :: Yurts

Pacific Trails Resort



Home
Yurts
Activities
Reservations

The Yurts at Pacific Trails

What is a yurt?
Our luxury yurts are permanent structures four feet off the ground. Each yurt has canvas walls, a wooden floor, and a roof dome that can be opened.

How are the yurts furnished?
Each yurt is furnished with a queen-size bed with down quilt and gas-fired stove. Your luxury camping experience includes electricity and a sink with hot and cold running water. Shower and restroom facilities are located in the lodge.

What should I bring?
Most guests pack comfortable walking shoes and plan to dress for changing weather with light layers of clothing. It's also helpful to bring a flashlight and a sense of adventure!

Yurt Packages

A variety of luxury yurt packages are available. Choose a package below and contact us to begin your reservation. We're happy to build a custom package just for you!

Package Name	Description	Nights	Cost per Person
Weekend Escape	Two breakfasts, a trail map, a picnic snack	2	\$450
Zen Retreat	Four breakfasts, a trail map, a pass for daily yoga	4	\$600
Kayak Away	Two breakfasts, two hours of kayak rental daily, a trail map	2	\$500

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youreffirstname@youreffirstname.com

Yurts page with a table

TASK 2: CONFIGURE THE CSS. Modify the external style sheet (pacific.css). Open pacific.css in a text editor. Add styles to configure the table on the Yurts page as shown in Figure 8.15 □.

1. Configure the table. Code a new style rule for the table element selector that configures a centered table with a 1 pixel blue border (#3399CC) and 90% width. Also configure the borders in the table to collapse (use `border-collapse: collapse;`).
2. Configure the table cells. Code a new style rule for the td and th element selectors that configure 5 pixels of padding and a 1 pixel blue border (#3399CC).
3. Center the td content. Code a new style rule for the td element selector that centers text (use `text-align: center;`).
4. Configure the `text` class. Notice that the content in the table data cells that contain the text description is not centered. Code a new style rule for a class named `text` that will override the td style rule and left-align the text (use `text-align: left;`).
5. Configure alternate-row background color. The table looks more appealing if the rows have alternate background colors, but it is still readable without them. Apply the `:nth-of-type` CSS3 pseudo-class to configure the even table rows with a light-blue background color (#F5FAFC).
6. Save the pacific.css file.

TASK 3: MODIFY THE YURTS PAGE. Open yurts.html in a text editor.

1. Configure an h3 element with the following text: "Yurt Packages" after the description list in the main element.
2. Below the new h3 element, configure a paragraph with the following text:

A variety of luxury yurt packages are available. Choose a package below and contact us to begin your reservation. We're happy to build a custom package just for you!
3. You are ready to configure the table. Code a table below the paragraph with four rows and four columns. Use the table, th, and td elements. Assign the td elements that contain the detailed descriptions to the class named `text`. The content for the table is as follows.

Package Name	Description	Nights	Cost per Person
Weekend Escape	Two breakfasts, a trail map, a picnic snack	2	\$450
Zen Retreat	Four breakfasts, a trail map, a pass for daily yoga	4	\$600
Kayak Away	Two breakfasts, two hours of kayak rental daily, a trail map	2	\$500

Pacific Trails Resort :: Reservation

Pacific Trails Resort

Reservations at Pacific Trails

Contact Us

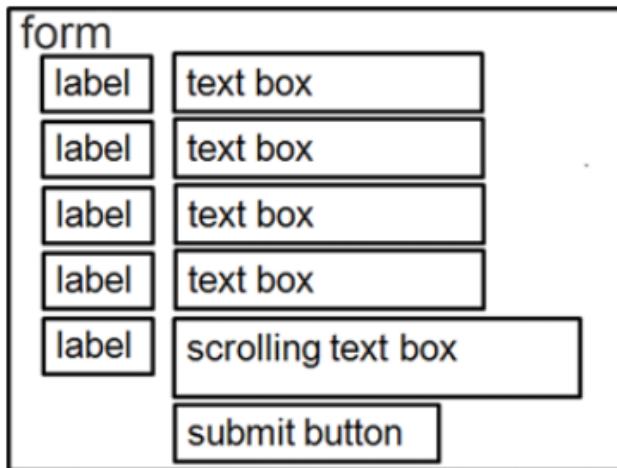
First Name:
 Last Name:
 E-mail:
 Phone:
 Arrival Date:
 Nights:
 Comments:

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Pacific Trails Reservations page

TASK 2: CONFIGURE THE CSS. Modify the external style sheet (pacific.css). Open pacific.css in a text editor. Review [Figure 9.39](#) and the wireframe in [Figure 9.40](#). Notice how the text labels for the form controls are on the left side of the content area. Notice the empty vertical space between each form control. Configure CSS as indicated below:

Figure 9.40



Wireframe for the form

1. Create a label element selector to float to the left with block display. Set the width to 8em. Configure 1em right padding.
2. Configure the input element and textarea element selectors with block display and 1em of bottom margin.
3. Configure an id named `mySubmit` with a 10em left margin.

TASK 3: CREATE THE RESERVATIONS PAGE. Use the Home page as the starting point for the Reservations page. Launch a text editor and open `index.html`. Save the file as `reservations.html`. Modify your `reservations.html` file to look similar to the Reservations page (shown in [Figure 9.39](#)) as follows:

1. Change the page title to an appropriate phrase.
2. Delete the div assigned to the `homehero` id.
3. Delete all HTML tags and content within the `main` element except for the `h2` element and text.
4. Replace the text contained within the `<h2>` tags with: "Reservations at Pacific Trails".
5. Configure an `h3` element on a line under the `h2` with the following text: "Contact Us".

6. Prepare to code the HTML for the form area. Begin with a form element that uses the post method and the action attribute to invoke server-side processing. Unless directed otherwise by your instructor, configure the action attribute to send the form data to <http://webdevbasics.net/scripts/pacific.php>.
7. Configure the form control for the First Name information. Create a label element that contains the text "First Name:". Create a text box named myFName. Use the `for` attribute to associate the label element with the form control.
8. Configure the form control for the Last Name information. Create a label element that contains the text "Last Name:". Create a text box named myLName. Use the `for` attribute to associate the label element with the form control.
9. Configure the form control for the E-mail information. Create a label element that contains the text "E-mail:". Create a text box named myEmail. Use the `for` attribute to associate the label element with the form control.
10. Configure the form control for the Phone information. Create a label element that contains the text "Phone:". Create a text box named myPhone. Use the `for` attribute to associate the label element with the form control.
11. Configure the Comments area on the form. Create a label element that contains the text "Comments:". Create a textarea element named myComments with `rows` set to 2 and `cols` set to 20. Use the `for` attribute to associate the label element with the form control.
12. Configure the submit button on the form. Configure "Submit" to display on the button. Assign the input element to the id named `mySubmit`.
13. Code an ending `</form>` tag on a blank line after the submit button.

TASK 4: CONFIGURE HTML5 FORM CONTROLS. Get more practice with the new HTML5 elements by modifying the form on the Reservations page to use HTML5 attributes and values. Modify the `reservations.html` file in a text editor.

1. Add a paragraph above the form with the following sentence: "Required information is marked with an asterisk (*)."
2. Use the `required` attribute to require the first name, last name, e-mail, and comments form controls to be entered. Add an asterisk at the beginning of each label text.

3. Configure the input element for the e-mail address with `type="email"`.
4. Configure the input element for the phone number with `type="tel"`.
5. Add a calendar form control to process a reservation request date (use `type="date"`).
6. Add a spinner form control to process a value between 1 and 14 to indicate the number of nights for the length of stay (use `type="number"`). Use the `min` and `max` attributes to configure the range of values.

The screenshot shows a web browser window for 'Pacific Trails Resort :: Reservation'. The main content area is titled 'Reservations at Pacific Trails' and contains a 'Contact Us' section. It includes fields for First Name ('Sparky'), Last Name ('Felke'), E-mail (highlighted with a red border), Phone (with a validation message 'Please fill out this field.'), Arrival Date ('06/03/2018'), Nights (set to '2'), and Comments ('Request Yurt #16'). A 'Submit' button is at the bottom. On the left, a sidebar menu lists 'Home', 'Yurts', 'Activities', and 'Reservations'. The footer contains copyright information and an email placeholder.

Pacific Trails Resort :: Reservation

Pacific Trails Resort

Reservations at Pacific Trails

Contact Us

Required information is marked with an asterisk (*).

* First Name:

* Last Name:

* E-mail:

Phone:

Arrival Date:

Nights:

* Comments:

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yourfirstname@yourlastname.com

The Reservations page with HTML5 form controls

Task 7: Code this in the footer.

```
<script>  
    var date = document.lastModified;  
    document.write(date);  
</script>
```

Task 8: Turning in your Work.

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.

Assignment files should not be modified after the assignment has been submitted. Doing so will result in a points penalty of two points per 24-hour period past the due date. If you want to work on files before they are graded, make copies and work on the copies.

The last date for submission of Lab assignment is 11:59pm Saturday May 30, 2020

Points Breakdown

Correctly modify the style sheet (style.css) to configure new table – **6 points**

Correctly modify the Yurts page to use a table to display information – **2 points**

Correctly modify the style sheet (style.css) to configure new form – **6 points**

Create the new Reservations page. – **2 points**

Configure HTML5 form controls – **4 points**