Computer Science Department

CSCI 102 - Computer-Mediated Communications

Spring 2020

Laboratory Assignment 8
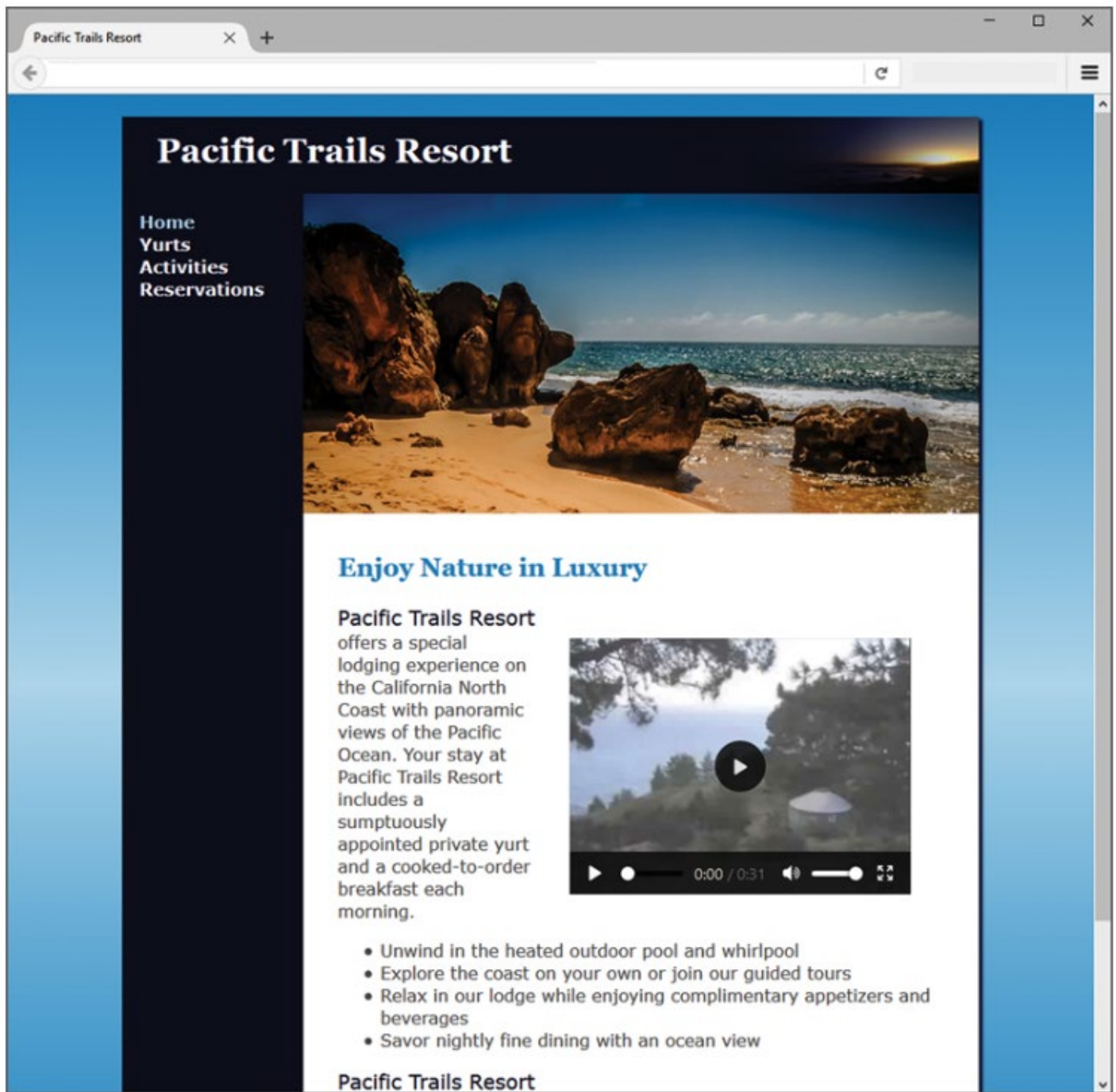
CRN 21400

Objectives

1. Create a new folder for this case study.

2. Modify style.css to configure the placement of a video.

3. Add a video to the home page (inde.html).

4. Add an alert message that display a message when the browser renders the Yurts page.

5. Add form data validation to the Reservations page (reservations.html) that requires an e-mail address to be entered.

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 Lab8 in your secret folder.

a. Create a new folder called Lab8.

b. Copy all the images to be used in this study from canvas. The images are in pacific folder. The images are pacific.mp4, pacific.ogv, pacific.jpg, and pacific.swf.

c. Save the files in your images folder.

Pacific Trails Resort home page

TASK 2: CONFIGURE THE CSS. Modify the external style sheet (pacific.css). Open pacific.css in a text editor. Edit the CSS and configure a new video element selector and a new embed element selector with style declarations to float to the right with margin set to 2em. Save the pacific.css file.

TASK 3: CONFIGURE THE VIDEO. Launch a text editor and open the home page (index.html). Code the HTML5 video control below the h2 element and above the paragraph. Configure the video, source, and embed elements to work with the following files: pacific.mp4, pacific.ogv, pacific.swf, and pacific.jpg. The dimensions of the video are 320 pixels wide by 240 pixels high. Save the file. Check your HTML syntax using the W3C validator (http://validator.w3.org). Launch a browser and test your new Home page (index.html). It should look similar to Figure 11.27⬛.

Task 4: Display an Alert Message on the Yurts Page. Launch a text editor and open the yurts.html file. You will configure the yurts.html page so that an alert message will pop up when the page is displayed in the browser.

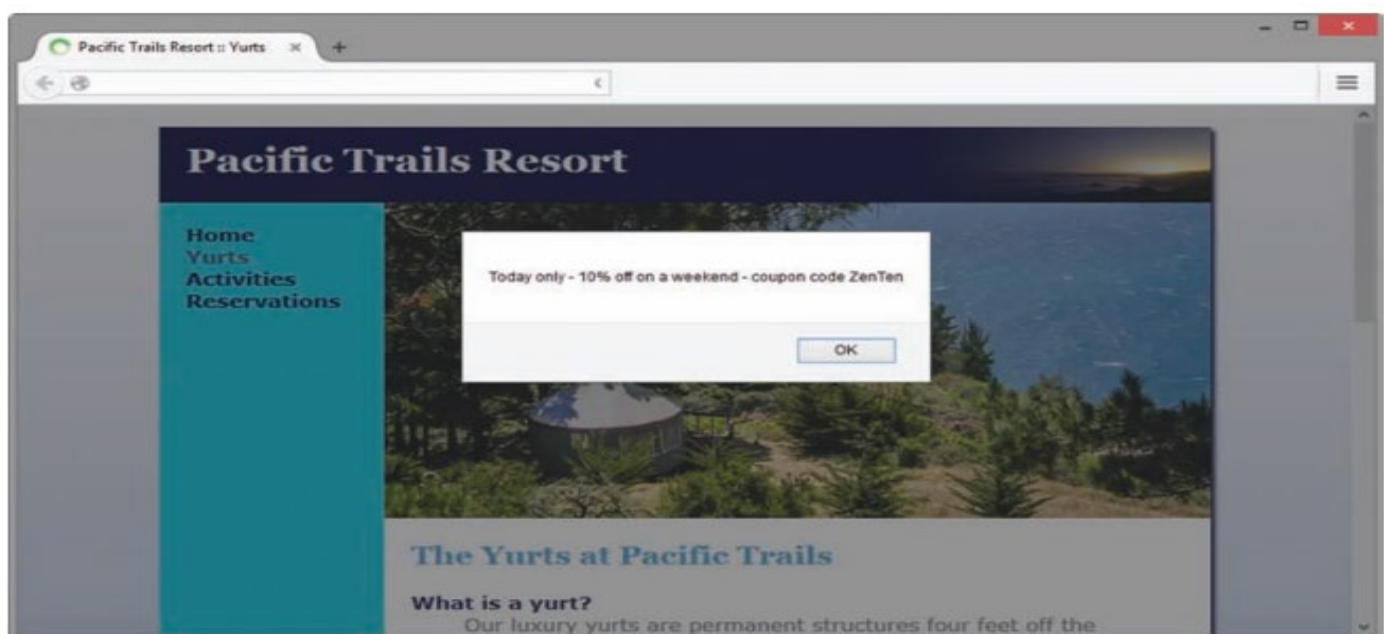You have the option to complete this task with JavaScript or to complete this task with jQuery.

Option 1: Using JavaScript.

- Edit the body tag as follows:

```
<body onload="alert('Today only - 10% off on a weekend - coupon code ZenTen');">
```

- The load event occurs when the web page begins to load in the browser. The onload event handler in this case pops up an alert message.

Save the file and test it in the browser. Your display should be similar to Figure 14.33.

Option 2: Using JavaScript and jQuery. Modify the page as follows:

- Add a script tag in the head section to access a jQuery CDN.

- Code a jQuery script block that includes the ready event. Code JavaScript within the ready event to display an alert box with the message, "Today only—10% off on a weekend—coupon code ZenTen".

Save the file and test it in the browser. Your display should be similar to Figure 14.33.

Task 5: Add Form Data Validation to the Reservations Page. Launch a text editor and open the reservations.html file. You will configure form data validation for the Reservations page that requires an e-mail address to be entered.

You have the option to complete this task with JavaScript or to complete this task with jQuery.

Option 1: Using JavaScript.

- Add a script block to the head section as follows:

```
<script>
function validateForm() {
if (document.forms[0].myEmail.value == "" ) {
    alert("Please enter an e-mail address.");
    return false;
} // end if
return true;
} // end function validateForm
</script>
```

- Edit the `<form>` tag as follows:

```
<form method="post" onsubmit="return validateForm();"
action="http://webdevbasics.net/scripts/pacific.php">
```
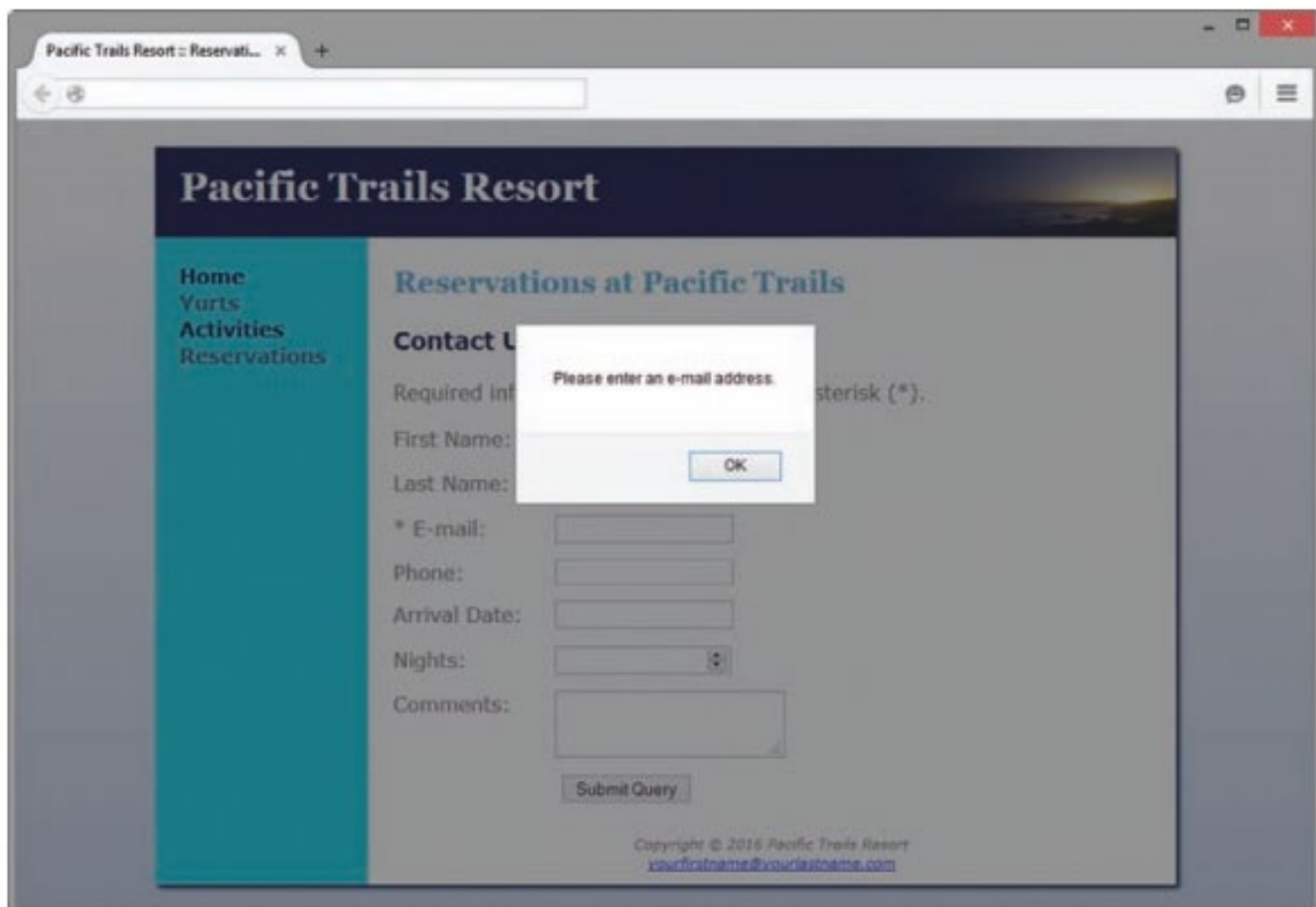
- Remove the HTML5 required attributes from the input and textarea elements. Remove the * from the labels for the first name, last name, and comments form controls. Verify that the input textbox that accepts the visitor's e-mail address has a name attribute with the value of myEmail. Sample code is

```
<input type="email" name="myEmail" id="myEmail">
```

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- Save the file and load it in a browser. Test it by clicking the submit button without typing in the e-mail input box. The alert box should pop up and the form should not be submitted (see Figure 14.34). Test it again by entering information in the e-mail input box and submit again. The form should be submitted successfully and a confirmation page should appear.

Option 2: Using JavaScript and jQuery. Modify the page as follows:

- Add a script tag in the head section to access a jQuery CDN.

- Add a script tag in the head section to access the jQuery Validate plugin (refer to Hands-On Practice 14.13).

- Code a jQuery script block that includes the ready event and invokes the Validate plugin (refer to Hands-On Practice 14.13).

- Edit the CSS to configure styles for error messages generated by the plugin. Configure a style rule for all label elements with the class name `error`. Use `label.error` as the selector. Set float to none, position to relative, left to 25em, top to –2.5em, width to 25em, text alignment to left, font style to italic, font size to .90em, color to red, and font typeface to Arial.

- Edit the HTML. Remove the HTML5 required attributes from the input and textarea elements. Remove the * from the first name, last name, and comments labels. Add `class="required email"` to the input tag for the email textbox.

- Save the file and load it in a browser. Test it by clicking the submit button without typing anything in the form. Your page should be similar to Figure 14.35. Notice how the jQuery Validate plugin displayed an error message for the e-mail form control. Test the form again by entering information in form controls but enter an invalid e-mail address. Note the error message. Next, correct the e-mail address and click the submit button. The form should be submitted successfully and a confirmation page should appear.

Task 6: 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 11:59 pm Saturday June 6, 2020

Points Breakdown

Modify style.css to configure the placement of a video -**3 points**

Add a video to the home page (inde.html) – **3 points**

Add the date the document was last modified to the bottom of the Home page. – **2 points**

Add an alert message that display a message when the browser renders the Yurts page. – **6 points**

Add form data validation to the Reservations page that requires an e-mail address – **6 points.**