**LAB 9 – PART B – CHAPTER 8**

**PACIFIC TRAIL RESORT CASE STUDY**

**INSTRUCTIONS**

In this chapter’s case study you will use the existing Pacific Trails website from LAB 9 EXERCISE – CHAPTER 7 as a starting point to create a new version of the website that utilizes media queries to configure display for mobile devices, display for desktop browser, typical tablet screen, and typical smartphone screen display.

You have five tasks in this case study:

1. Create a new folder for the Pacific Trails Resort website.
2. Edit the pacific.css external style sheet to include media queries and styles needed for appropriate desktop, tablet, and smartphone display.
3. Edit the Home page (index.html).
4. Edit the Yurts page (yurts.html).
5. Edit the Activities page (activities.html).

Task 1: Create a folder called ch8pacific to contain your Pacific Trail Resort website files.

Copy the files from Chapter 7 Case Study ch7pacific folder into the ch8pacific folder.

Task 2: Configure the CSS. Launch a text editor and open the pacific.css external style sheet file.

1. Configure Support of HTML5. Add the following style rule to configure most older browsers to render HTML5 block display elements as expected.

Header, main, nav, footer, figure, figcaption, aside, section, article { display: block; }

1. Configure Desktop Display. Code the following new styles.
2. The mobile id. Set display to none. You’ll apply this id when you edit the home page (index.html).
3. The desktop id. Set display to inline. You’ll apply this id later when you edit the home page (index.html).
4. Configure Tablet Display.
5. Code a media query below the existing styles to select for typical tablet device viewport size.

@media only screen and (max-width: 64em) {

}

1. Configure the following new styles within the media query:
2. The body element selector. Set margin to 0 and the background color to #FFFFFF.
3. The wrapper id selector. Set minimum width to 0, width to auto, box-shadow to none and border to none.
4. The header element selector. Set top padding to 0.5em, bottom padding to 0.5em, and left padding to 0. Set height to auto.
5. The h1 element selector. Set letter-spacing to 0.1em.
6. The main element selector. Set left margin to 0.
7. The nav element selector. Eliminate float (Hint: Use float: none;) set the width to auto, centered text, and configure 0.5em padding.
8. Navigation list items. Use a descendant selector to configure li elements within the navigation area with inline display, 0.25em top and bottom padding, and 0.75em left and right padding.
9. The homehero, yurthero, and trailhero id selectors. Set left margin to 0. Set height to 200 pixels.
10. The footer element selector. Set left margin to 0.
11. Configure Smartphone Display.
12. Code a media query below the existing styles to select for typical smartphone device viewport size.

@media only screen and (max-width: 37.5em) {

}

1. Configure the following new styles within the media query:
2. The main element selector. Set top and bottom padding to 0.1em, left and right padding to 1em, and font size to 90%.
3. The h1 element selector. Set font size to 2em.
4. The nav element selector. Set padding to 0.
5. Navigation list items. Use a descendant selector to configure li elements within the navigation area with block display, 0 margin, and a 2 pixel solid dark (#330000) bottom border.
6. Navigation hyperlink. Use a descendant selector to configure elements within the navigation area with block display. This will provide the user a larger area to tap when selecting a hyperlink.
7. The homehero, yurthero, and trailhero id selectors. Do not display the image. Set the background-image property to none and the height to 0.
8. The mobile id selector. Set display to inline.
9. The desktop id selector. Set display to none.

Save your pacific.css file. Use the CSS validator (<http://jigsaw.w3.org/css-validator>) to check your syntax. Correct and retest if necessary.

Task 3: Edit the Home Page. Launch a text editor and open the index.html file. Edit the code as follows:

1. Configure a viewport meta tag in the head section that configures the width to the device-width and sets the initial-scale to 1.0.
2. The home page displays a phone number in the contact information area. Wouldn’t it be handy if a person using a smartphone could click on the phone number to call the resort? You can make that happen by using tel: in a hyperlink. Configure a hyperlink assigned to an id named mobile that contains the phone number as shown below:

<a id=”mobile” href=”tel:888-555-5555”>888-555-5555</a>

**NOTE:- You can replace this phone number with yours to test the application’s functionality.**

1. But wait a minute, a telephone link could confuse those visiting the site with a desktop browser. Code another phone number directly after the hyperlink. Code a span element assigned to an id named desktop around the phone number as shown below:

<span id=”desktop”>888-555-5555</span>

Save the index.html file.

Remember that validating your HTML can help you find syntax errors. Validate and correct this page before you continue. Display your page in a browser. While your home page will look unchanged in maximized desktop browsers, as you resize and reduce the browser viewport dimensions, the displays should show the configured Tablet and smartphone display.

Task 4: Edit the Yurts Page.

Launch a text editor and open the yurts.html file. Configure a viewport meta tag in the head section that configures the width to the device-width and sets the initial-scale to 1.0.

Save the yurts.html file.

Remember that validating your HTML can help you find syntax errors. Validate and correct this page before you continue. Display your page in a browser. Resize the browser window to test the media queries.

Task 5: Edit the Activities Page.

Launch a text editor and open the activities.html file. Configure a viewport meta tag in the head section that configures the width to the device-width and sets the initial-scale to 1.0.

Save the activities.html file.

Remember that validating your HTML can help you find syntax errors. Validate and correct this page before you continue. Display your page in a browser. Resize the browser window to test the media queries.