

Web Interface Design - Sheet #10 – Page Layout and Responsive Web Design

Scenario 1: JavaJam Coffee House (exercise derived and modified from Felke text)

JavaJam needs to generate more money so they have decided to sell ad space on their site. Since JavaJam is situated in the college they have approached two companies, Indigo and Follett, for ads since both are bookstores and may be of interest to the students at the college.

A new wireframe of the Home page has been provided below. Update all your pages to use the same 3-column layout. See sample for visual of Home page.

header			
navigation	content	image	advertisements
footer			

Advertisement Area:

- Use the provided images for the 2 ads. Add the text as shown. Include a hyperlink for each ad and have it link to the actual site mentioned in the ad.
- The same ads will appear on every page of this site.
- Adjust the width of this area as you see fit.



Validate your pages again. Check that all the pages appear with the advertisements in place. Display the site in all the browsers in the lab to assure that you have achieved stability. Get your pages checked off.

Scenario 2: Pacific Trails Resort (exercise derived and modified from Felke text)

The resort's owner has come to you for help. They have an existing site that offers perspective guests information about their quiet getaway that offers luxury camping in yurts and an upscale lodge for dining and socializing with other guests. Their site is attracting a lot of attention but they would like to take it to the next level by making it work on mobile devices. You have been provided with their currently functioning site as a starting point.

Add the <meta> for the viewport to each of your HTML pages. Add 2 media queries to the external CSS to add the styling necessary for the phone and tablet displays. Do not lose the full screen version! The following 2 viewport sizes have been requested:

Phone: 0px to 480px

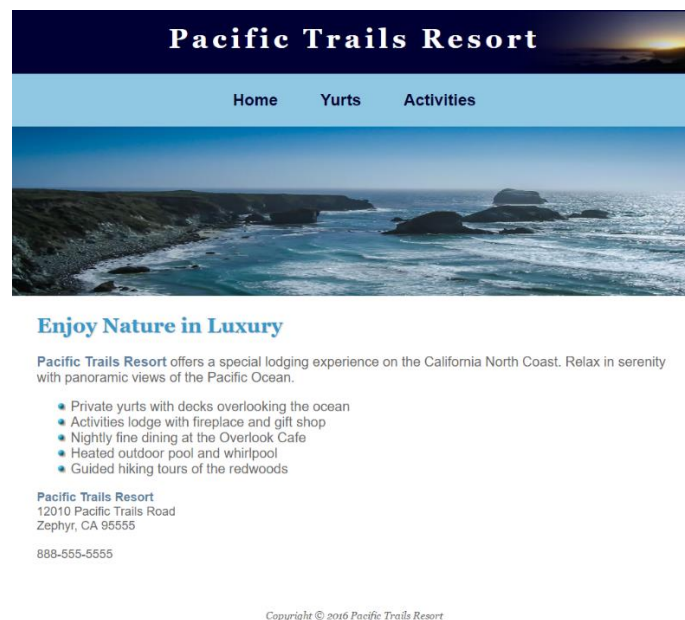
Tablet: 481px to 1024px

Using the following visual of the Yurts page as your guide produce a tablet sized display. Remember, you will need to resize the browser window in order to test your page.

Notice the following major changes:

- There is no longer a background
- The box shadow is no longer required
- Margins that were created for the original size need to be removed from the body, main, footer and image
- The image has been pushed over to the left, and the space reserved for it needs to be resized vertically to take up less space
- The navigation area has changed position and orientation, and there is enough space between the options to allow the viewer to understand that there are 3 pages
- A different min-width needs to be set on the #wrapper in order to allow the text in the paragraphs to adjust as the screen gets smaller

Make any other changes necessary to make the page appear as below.



Using the following visual of the Index page as your guide produce a phone sized display. Remember, you will need to resize the browser window in order to test your page.

Notice the following major changes:

- Font sizes have been adjusted for the heading and the main areas but not for the navigation area.
Note: You may notice that at some point the heading will wrap. This is fine as long as it stays within the image area.
- The navigation area has changed position and now has a line between each option in order to make each option appear like a button. Make sure that the lines reach the edge of the display.
- The image has been removed
- An adjustment again needs to be made to allow the textual content to wrap correctly. Instead of creating a new setting here can you make the adjustment on the tablet size?

Make any other changes necessary to make the page appear as below.



Check all links, check that your pages are functional and usable in all browsers, and validate your pages (both the HTML and the CSS) before getting your work checked off.