# JavaJam Coffee House Case Study – Textbook - Chapter 6

# In this chapter’s case study, you will use the existing JavaJam (Chapter 5) website as a starting point to create a new version of the website. The new design is a centered page layout that takes up 80% of the browser viewport with a featured her image on the home page. You’ll use CSS to configure the new page layout, a background image, hero image, and other styles, including margin and padding. Figure 6.38 displays a wireframe with the wrapper div, which contains the other web page elements.

# You have five tasks in this case study:

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| Copy yourname\_chapter4 JavaJam Coffee House website folder and rename it yourname\_chapter6.Edit the javajam.css external style sheet.Update the Home page: index.html.Update the Menu page: menu.html.Update the Music page: music.html.Task 1: Copy yourname\_chapter4 JavaJam Coffee House website folder and rename it yourname\_chapter6. Copy the javabackground.gif, javalogo.gif, and heroroad.jpg files from the chapter6/starters folder in the student files into yourname\_chapter6 folder. | |  | | --- | | header | |  | | nav | |  | | main | |  | | footer |  |  | | --- | | FIGURE 6.38 New Wireframe | |

# Task 2: The External Style Sheet. Launch a text editor and open the javajam.css external style sheet file.

# The body element Selector. Add a declaration to display the javabackground.gif image as the background.

# The wrapper id Selector. Add a new selector for an id named wrapper. Configure wrapper id to be centered, like shown in the chapter, with a width of 80%, light background color (#F5F5DC), a minimum width of 960 pixels, a maximum width of 2048px, and a 3px offset dark (#2E0000) box shadow.

# The h1 element Selector. Add declarations to configure 100px height, zero margin, and a javalogo.gif background image. The background image should be centered and should not repeat. Recall that the h1 element contains the text “JavaJam Coffee House”. Configure text-indent: -9999px; so, that the text will not overlay the image and will not display unless images are turned off or CSS is not supported.

# The nav element Selector. Add declarations to configure centered text, #E6D6A9 background color, and 10px padding.

# The main element Selector. Add a new selector for the main element. Code declarations to configure 20px padding. At the time this was written, Internet Explorer did not support default styles for the HTML5 main element, so add the following style declaration using the display property (see Chapter 7) to nudge this browser to display as expected:

# display: block;

# The hero id Selector. Add a new selector for an id named hero. Code declarations to configure 300px height, #F5F5DC text color, and to display the heroroad.jpg to fill the space (use background-size: 100% 100%;) without repeating.

# The main article Selector. Code declarations to configure 20% left margin and 20% right margin.

# The footer element Selector. Add a declaration to configure 10px of padding.

# Save the file as javajam.css in the yourname\_chapter6 folder. Check your syntax with the CSS validator at <http://jigsaw.w3.org/css-validator>. Correct and retest if necessary.

# Task 3: The Home Page. Launch a text editor and open the home page, index.html.

# Configure a wrapper div that contains the content of the web page. Look at the chapter or classroom example as a guide. The is a wrapper div and has no semantic meaning; perfect use of a div tag.

# Assign the main element to an id named hero.

# Remove the img tag for the windingroad.jpg photo.

# Save and test your index.html page in a browser. It should be similar to the page shown in Figure 6.39.

# 

# FIGURE 6.39 JavaJam Home Page

# Task 4: The Menu Page. Launch a text editor and open the menu.html file.

# Code div tags to add a wrapper div that contains the content of the web page. Similar to what you completed on the Home page.

# Save and test your new menu.html page. It should look similar to Figure 6.40.

# 

# FIGURE 6.40 JavaJam Menu Page.

# Task 5: The Music Page. Launch a text editor and open the music.html file.

# Code div tags to add a wrapper div that contains the content of the web page. Similar to what you completed on the Home page.

# Save and test your new music.html page. It should look similar to Figure 6.41.

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# FIGURE 6.41 JavaJam Music Page.

# JavaJam Coffee House Case Study – Textbook - Chapter 7

# In this chapter’s case study, you will use the existing JavaJam (Chapter 6) website as a starting point to create a new version of the website that uses a two-column layout. Figure 7.42 displays a wireframe with the new layout.

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| You have three tasks in this case study:Use yourname\_chapter6 JavaJam website folder.Update the javajam.css external style sheet.Edit the Home page (index.html), Menu page (menu.html), and Music page (music.html) to configure the navigation hyperlinks within an unordered list. | |  |  |  | | --- | --- | --- | | header | | | |  | |  | | nav | main | | |  | |  | | footer | | |  |  | | --- | | FIGURE 7.42 JavaJam two-column page layout. | |

# Task 1: Use yourname\_chapter6 JavaJam website folder.

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

# The wrapper id selector. Change the background color from off-white (#F5F5DC) to light tan (#E2D2B0)

# The nav element selector. This is the area that will float on the page. Configure left float and a width of 160 pixels. Remove the background-color declaration.

# The main element selector. Add new style declarations to configure an off-white (#F5F5DC) background color and a 175-pixel left margin.

# Configure the main content area.

# Content images. Create a new style rule using a descendant selector that causes the images in the main content (main img) to float to the left with right padding set to 2em.

# Content ul elements. The marker.gif image should only be used in the content id area. Replace the ul element selector with a descendant selector that specifies only ul elements within the main content (main ul). Also configure the list-style-position: inside; style declaration for this selector.

# Content article elements. Add additional style rules using a descendant selector (main article) that configure article elements within the main content (such as the announcements on the music page) to display the overflow set to auto, 90% font-size, 5% left padding, and 5% right padding.

# Configure the navigation area. Use descendant selectors to configure the unordered list and anchor elements within the nav element.

# Style the unordered list. Configure the ul element selector with no list markers, zero left padding, and 1.2em font size.

# Style unvisited navigation hyperlinks. Configure the :link pseudo-class with medium tan text color (#795240).

# Style visited navigation hyperlinks. Configure the :visited pseudo-class with medium brown text color (#A58366).

# Style interactive hyperlinks. Configure the :hover pseudo-class with off-white text color (#F5F5DC). For accessibility purposes, also use the :focus pseudo-class.

# Configure the footer area. Use a descendant selector to configure the anchor tags within the footer element to display with dark brown text color (#2E0000) for unvisited hyperlinks, black text color (#000000) for visited hyperlinks, and off-white text color (#F5F5DC) when the :hover pseudo-class is active.

# Save your javajam.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 web pages. Launch a text editor and open the home page, index.html. Configure the navigation hyperlinks using an unordered list. If present, remove the &nbsp; special characters.

# Save the file. Test your web page in a browser. Your home page should be similar to the example in Figure 7.43 with a two-column page layout. Modify the music.html and menu.html files in a similar manner. Test your web pages in a browser. The music page is shown in Figure 7.44.

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# FIGURE 7.43 JavaJam Coffee House Home page with a two-column layout.

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# FIGURE 7.44 JavaJam Coffee House Music page with a two-column layout.