APPLY

Case Problem 1

Data Files needed for this Case Problem: arlogo.png, historytxtcss, lincoln01.png-lincoln10.png, lincolntxt.htm, modernizr-1.5.js

American Rhetoric Professor Annie Chiu teaches rhetoric and history at White Sands College. She has asked for your help in designing a companion Web site for her course in American Rhetoric. She's given you the content and graphics for a sample page containing an excerpt from the second inaugural address by Abraham Lincoln. She wants you to create an elastic layout for the Web page so that it appears the same for different font sizes. Figure 4-78 shows a preview of the page you'll design for her.

Figure 4-78   Lincoln page

Complete the following:

1. In your text editor, open the **historytxt.css** and **lincolntxt.htm** files from the tutorial.04\case1 folder. Enter **your name** and *the date* in the comment section of each file. Save the files as **history.css** and **lincoln.htm,** respectively.
2. Return to the **lincoln.htm** file in your text editor and take some time to review the content and structure of the file. Link the document to the **history.css** style sheet. Close the file, saving your changes.

3. Co to the **history.css** file in your text editor. Create a style rule to display the header, section, and nav elements as blocks.

4. Set the default padding and margin space for every element to 0 pixels.

5. Define a style rule for the header element to: a) set the background color to the value (51, 51, 51); b) center the contents of the header element; and c) set the width to 55 em. Set the height of the inline image within the header to 4 em.

6. Float the navigation list on the left page margin, setting the width to 15 em and the background color to the value (51,51,51).

7. For list items within the navigation list, create a style rule to: a) set the typeface to Century Gothic or sans-serif; b) set the font size to 0.7 em; c) remove the list markers; d) set the line height to 1.4 em; and e) set the left and bottom margins to 1 em and 1.2 em, respectively.

8. For hypertext links within the navigation list, set the text color to the value (212, 212, 212) and remove the underlining. When the user hovers the mouse pointer over these links, change the text color to white.

9. For the speech section of the page, create a style rule to: a) set the background color to the value (212, 212, 212); b) set the width to 40 em and float the section on the left; and c) display the text in a Palatino Linotype, Book Antiqua, Palatino, or serif font.

10. For the hl heading within the speech section, create a style rule to: a) set the background color to the value (51,51,51); b) set the text color to the value (212, 212, 212) and the font size to 2 em; and c) center the text.

11. For the paragraphs within the speech section, set the font size to 0.9 em and the margin size to 1 em.

^EXPLORE

12. Annie wants to create a drop-cap effect for the first letter in the first line of the first paragraph in the speech section. Using the first-of-type pseudo-class and the first-letter pseudo-element in your style rule selector, create this drop cap by: a) floating the first letter on the left; b) setting the font size and line height to 4 em and 0.8 em, respectively; c) setting the right margin to 0.3 em; d) setting the right and bottom padding to 0.2 em; and e) adding a solid black border 0.02 em in width to the right and bottom edge of the letter.

13. Display the text of the first line of the first paragraph in the speech section in uppercase letters.

X*EXPLORE

14. Next, you'll create the irregular line wrap shown in Figure 4-78. Stack the 10 slices of the Lincoln image by creating a style rule for the inline image elements within the speech section to: a) float each image on the right once the right margin is clear; and b) set the height of each image to 4 em.

15. Add appropriate style comments to your file to document your work and then save your changes.

16. Open the **lincoln.htm** file in your Web browser. Verify that the layout resembles that shown in Figure 4-78. (Note: Safari for the Macintosh does not at the time of this writing support the first-line pseudo-class with uppercase letters. Also, you might notice a slight difference in the layout with browsers running on the Macintosh, iPhone, or iPad.)

(yEXPLORE

17. Using the Options or Preferences dialog box of your browser, increase and decrease the browser's default font size. Verify that as the font size changes, the layout and size of the inline images in the page change in proportion.

18. Submit your completed files to your instructor, in either printed or electronic form, as requested.

Apply your knowledge of CSS to create a fixed layout design for a pizzeria Web site.

Case Problem 2

Data Files needed for this Case Problem: modernizr-1.5.js, notice.png, pizzatxt.css, rblogo.png, redballtxt.htm, redbar.png, slice.png, toppings.png

Red Ball Pizza Alice Nichols is the owner of Red Ball Pizza, a well-established pizzeria in Ormond Beach, Florida. She's asked for your help in creating a design for the company's Web site. After discussing the issue with Alice, you settle on a fixed width layout. Alice has created a sample home page for you to work on. She's already created all of the content and the graphics. She needs your help with the design. Figure 4-79 shows a preview of the page you'll create for her.

Figure 4-79   Red Ball Pizza

Complete the following:

1. In your text editor, open the **pizzatxt.css** and **redballtxt.htm** files from the tutorial.04\case2 folder. Enter *your name* and *the date* in the comment section of each file. Save the files as **pizza.css** and **redball.htm,** respectively.

2. Return to the **redball.htm** file in your text editor. Take some time to review the content and structure of the document, and then link the file to the **pizza.css** style sheet. Close the file, saving your changes.

3. **Co** to the **pizza.css** file in your text editor. Create a style rule to display the header, section, aside, footer, and nav elements as blocks.

4. Set the default padding and margin size to 0 pixels.

5. Create a style for the body element to: a) set the background color to red; and b) set the font family to Verdana, Geneva, or sans-serif.

©EXPLORE

6. The entire content of the page has been enclosed in a div container element with the id *container.* Create a style rule for this container to: a) set the width to 1000 pixels; b) center the container in the browser window by setting the top/bottom margins to 0 pixels and the left/right margins to auto; c) display a 1 -pixel solid black border on the left and right edges; and d) set the background color to white and display the *redbar.png* image file as the background image, placing the image file in the top-left corner of the container and tiling it in the vertical direction only.

7. Change the background color of the header element to white and set its height to 100 pixels.

8. Create a style rule for the horizontal navigation list to: a) set the height to 70 pixels and the width to 100%; and b) set the background color to white.

9. For each list item within the horizontal navigation list, create a style rule to: a) set the background color to white; b) set the font size to 16 pixels, the height and the line height to 50 pixels, and the width to 180 pixels; c) display the item as a block and float it on the left; d) set the left and right margins to 5 pixels; and e) horizontally center the contents.

©EXPLORE

10. For each hypertext link within a list item in the horizontal navigation list, create a style rule to: a) display the link as a block; b) set the background color to red and the text color to white; c) create elongated corners with a horizontal radius of 30 pixels and a vertical radius of 25 pixels (use progressive enhancement to support browser extensions); and d) remove the text underlining. If a user hovers a mouse pointer over these links, change the background color to the value (255, 101, 101) and the text color to black.

11. Create a style rule for the vertical navigation list to: a) float it on the left only when the left margin is clear; and b) set the width to 200 pixels.

12. For list items within the vertical navigation list, create a style rule to: a) remove the list item marker; b) indent the text 20 pixels; and c) set the top and bottom margins to 20 pixels.

13. For hypertext links within the vertical navigation list, set the text color to white and remove the text underlining. When a user hovers the mouse pointer over these links, change the text color to black.

14. The main content of the Web page is contained in a section element with the id *main.* Create a style rule for this element to: a) change the background color to the value (255, 211,211); b) float the element on the left; and c) set the width to 600 pixels.

15. For paragraphs that are direct children of the main section, set the font size to 20 pixels and the margin to 15 pixels.

EXPLORE 16. For inline images within the main section, create a style rule to: a) float the image on the right; b) set the margin to 15 pixels; c) set the width to 350 pixels; and d) set the radius of the bottom-left corner to 350 pixels (use progressive enhancement to support the Mozilla and WebKit browser extensions).

17. Alice has included six coupons in the home page that have been nested within div elements belonging to the *coupon* class. For each *coupon* div element: a) add a 5-pixel dashed black border; b) float the coupons on the left; c) set the width to 170 pixels and the height to 150 pixels; and d) set the top and bottom margins to 20 pixels, and the left and right margins to 10 pixels.

EXPLORE 18. To the style rule for the coupons, add style properties to create the following two background images: a) place the *slice.png* image in the center of the coupon without tiling; and b) place the *notice.png* image in the bottom-right corner of the coupon without tiling. Set the background color of the coupon to white.

19. For hl headings within the coupons, add a style rule to: a) set the text color to white on a background with the color value (192, 0, 0); b) set the font size to 16 pixels and the kerning to 2 pixels; c) center the text; d) set the height to 25 pixels; and e) display the text in small caps.

20. For paragraphs within the coupons, create a style rule to: a) set the font size to 14 pixels; b) center the text; and c) set the margin to 5 pixels.

21. Alice has placed interesting tidbits about pizza in an aside element. Float the aside element on the left with a width of 200 pixels.

22. For hl headings within the aside element, create a style rule to: a) set the text color to the value (192, 0, 0); b) set the font size to 20 pixels and the kerning to 2 pixels; c) set the font weight to normal; and d) center the text of the headings.

23. For list items within the aside element, create a style rule to: a) set the background color to the value (255, 135, 135); b) add round corners with a 5-pixel radius; c) set the text color to black; d) remove the list style maker; and e) set the margin to 10 pixels and the padding to 5 pixels.

24. Display the footer element when the left margin is clear, and set the size of the left margin to 200 pixels.

25. For the address element within the footer element, create a style rule to: a) add a 1 -pixel solid red border to the top of the element; b) change the text color to red; c) set the font size to 10 pixels, set the font style to normal, and center the address text; and d) set the top margin to 25 pixels and the bottom padding to 20 pixels.

26. Add style comments throughout your style sheet to document your work and then save your changes.

27. Open the **redball.htm** file in your Web browser and verify that the design and layout resemble that shown in Figure 4-79.

28. Submit your completed files to your instructor, in either printed or electronic form, as requested.