

## Unit 5 Case 2

Figure 3-67 Costume Expressions front page



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Data Files needed for this case Problem: ce\_front\_txt.html, ce\_grids\_txt.css, ce\_styles\_txt.css, 21 PNG files

Costume Expressions Richard Privette is the owner of Costume Expressions, a small but growing costume and party business located in Rockville, Maryland. He has asked you to work on the website for the company. Richard envisions a front page that resembles the jumbled advertising pages often found in the back pages of the comic books from his youth. Figure 3-67 shows a preview of the grid-based layout he has in mind.

Richard has supplied you with the HTML code and all of the image files required for this page. You'll supply him with style sheets based on a grid layout that he can use to render his page's content.

Complete the following:

1. Using your editor, open the `ce_front_txt.html`, `ce_styles_txt.css`, and `ce_grids_txt.css` files from the `html03 c case2` folder. Enter your name and the date in the comment section of each file, and save them as `ce_front.html`, `ce_styles.css`, and `ce_grids.css` respectively.

2. Go to the `ce_front.html` file in your editor. Within the document head, create links to the `ce_styles.css` and `ce_grids.css` style sheet files. Take some time to study the structure of the document. Note that Richard has placed much of the document content within a `div` element with the name `container` and that grid rows are marked with the `row` class and grid columns are marked with the `column` size class where size indicates the width of the column. The content

of the page consists almost entirely of images that Richard will link to pages in the Costume Expressions website later.

3. Save your changes to the file and then go to the `ce_grids.css` file in your editor.

4. Within the Grid Rows Styles section, create a style rule to set the width of each `div` element of the `row` class to 100% of its container, displaying the row only when it's clear of floated content on both margins.

5. Create a style rule to allow grid rows to expand around all of their floated content. 6. Go to the Grid Columns Style section. Create a style rule to float every `div` element whose class

name begins with `column` on the left. 7. Create style rules for `div` elements belonging to the following classes: `column100`, `column50`,

`column33`, `column67`, `column25`, `column75`, `column20`, `column40`, `column60`, and `column80` so that the width of each column is a percent equal to the size value. For example, `div` elements belonging to the `column100` class should have widths of 100%, `column50` should have widths of 50%, and so forth.

8. Go to the Grid Spacing Styles section. Create a style rule to apply the Border Box model to the `div` elements belonging to the following classes: `container`, `row`, classes that begin with `column`, `cell`, and `div` elements nested within `div` elements belonging to the `cell` class.

9. Save your changes to the `ce_grids.css` file and then go to the `ce_styles.css` file in your editor.

10. Go to the Window and Body Styles section and create a style rule to set the background color of the browser window to `rgb(101, 101, 101)`.

11. Create a style rule for the `body` element that: a) sets the background color to white, b) sets the default font to the stack: Verdana, Geneva, Arial, sans-serif, c) centers the page by setting the top/bottom margins to 20 pixels and the left/right margins to auto, and d) sets the width of the page body to 95% ranging from 320 pixels up to 960 pixels.

12. Insert style rules to display all images in the document as blocks with widths of 100%. 13. Insert a style rule to remove all underlining from hypertext links within navigation lists. 14. Go to the Body Header Styles section. Richard wants you to format the links that are displayed in the header at the top of the web page. To format the links, create a style rule that sets the background color of the body header to `rgb(191, 68, 70)` and sets the height to 40 pixels.
15. Create a style that displays all list items within the navigation unordered list in the body header as blocks, floated on the left, with a right margin of 20 pixels and top/bottom padding of 10 pixels with left/right padding of 0 pixels.
16. Create a style rule to set the font size of hypertext links within the body header navigation list to 0.9em with a color value of `rgb(51, 51, 51)` for both visited and non-visited links. Change the text color to `rgb(255, 211, 211)` when the user hovers over or activates those links.
17. Go to the DIV Container Styles section. Richard wants you to add some additional spacing between the images and the edge of the page body. To add this spacing, create a style rule that sets the right and bottom padding of the div element with the id container to 8 pixels.
18. For every a element within a div element belonging to the cell class, create a style rule to: a) display the hypertext link as a block with a width of 100% and b) set the left and top padding to 8 pixels.
19. Richard wants the page footer to be displayed in the bottom right corner of the web page. To place the footer in this position, go to the Windows and Body Styles section and set the position property of the body element to relative, then go to the Footer Styles section and create a style rule for the footer element to do the following:
  - a) set the position property of the footer to absolute with a right coordinate and bottom coordinate of 8 pixels,
  - b) set the text of the footer to `rgb(143, 33, 36)`,
  - c) right-align the footer text, and
  - d) set the font size to 2vmin so that the text resizes automatically with the width and/or height of the browser window.
20. Save your changes to the `ce_styles.css` file and then open the `ce_front.html` file in your browser. Verify that the layout resembles that shown in Figure 3-67.