Instructions & Grading Rubric
NP HTML5, CSS3, and JavaScript 6e
Graphic Design with CSS, Case 3

Description	Pts	Your Score
1. Using your editor, open the cf_home_txt.html and cf_effects_txt.css files from the html04 c case3 folder. Enter your name and the date in the comment section of each file and save them as **cf_home.html** and **cf_effects.css** respectively.	**2**	
2. Go to the **cf_home.html** file in your HTML editor. Within the document head, create a link to the cf_reset.css, cf_layout.css, and **cf_effects.css** style sheets. Take some time to study the content and structure of the document. Pay special note to the nested div elements in the center section of the page; you will use these to create a 3D cube design. Close the file, saving your changes.	**23**	
3. Return to the **cf_effects.css** file in your editor and go to the HTML Styles section. Debra wants a background displaying a scene from last year's festival. Add a style rule for the html element that displays the cf_back1.png as a fixed background, centered horizontally and vertically in the browser window and covering the entire window.		
4. Go to the Body Styles section and set the background color of the page body to rgba(255, 255, 255, 0.3).	**2**	
5. Go to the Body Header Styles section and change the background color of the body header to rgba(51, 51, 51, 0.5).	**2**	
6. Debra has placed useful information for the festival in aside elements placed within the left and right section elements. Go to the Aside Styles section and create a style rule for the section aside selector that adds a 10-pixel double border with color rgba(92, 42, 8, 0.3) and a border radius of 30 pixels.	**4**	
7. Debra wants a curved border for every h1 heading within an aside element. For the selector section aside hi, create a style rule that sets the border radius of the top-left and top-right corners to 30 pixels.	**3**	
8. Define the perspective of the 3D space for the left and right sections by creating a style rule for those two sections that sets their perspective value to 450 pixels.	**4**	
9. Create a style rule that rotates the aside elements within the left section 25° around the y-axis. Create another style rule that rotates the aside elements within the right section -25° around the y-axis.	**4**	

Explore 10. Go to the Cube Styles section. Here you'll create the receding cube effect that appears in the center of the page. The cube has been constructed by creating a div element with the id cube containing five div elements belonging to the cube_face class with the ids cube_bottom, cube_top, cube_left, cube_right, and cube_front. (There will be no back face for this cube.) Currently the five faces are superimposed upon each other. To create the cube you have to shift and rotate each face in 3D space so that they form the five faces of the cube. First, position the cube on the page by creating a style rule for the div#cube selector containing the following styles: a. Place the element using relative positioning. b. Set the top margin to 180 pixels, the bottom margin to 150 pixels, and the left/right margins to auto. c. Set the width and height to 400 pixels. d. Set the perspective of the space to 450 pixels.	**8**	
11. For each div element of the cube_face class, create a style rule that places the faces with absolute positioning and sets their width and height to 400 pixels.	**2**	
Explore 12. Finally, you'll construct the cube by positioning each of the five faces in 3D space so that they form the shape of a cube. Add the following style rules for each of the five faces to transform their appearance. a. Translate the cube_front div element -50 pixels along the z-axis. b. Translate the cube_left div element -200 pixels along the x-axis and rotate it 90° around the y-axis. c. Translate the cube_right div element 200 pixels along the x-axis and rotate it 90° counter-clockwise around the y-axis. d. Translate the cube_top div element -200 pixels along the y-axis and rotate it 90° counter-clockwise around the x-axis. e. Translate the cube_bottom div element 200 pixels along the y-axis and rotate it 90° around the x-axis.	**10**	
13. Save your changes to style sheet file and open **cf_home.html** in your browser. Verify that the layout of your page matches Figure 4-68 including the center cube with the five faces of photos and text.	**1**	
14. a. Zip (compress) your case1 folder and submit to Blackboard. **No submission in Blackboard = -5** b. Publish your case1 folder into the Student Website. **NOTE: Per Course Requirements, assignments not correctly operating on student websites will not receive credit.**		
TOTAL	**40**	