UNC CHARLOTTE

ITIS 3135 Web-Based Application Design and Development
Assignment 2
Design Tables
Due 11:59 PM – Friday, June 4

For this assignment, you will learn how to design tables.

Part 1: Obtain the required files
1. Download "assignment2.zip" from the following link
   https://drive.google.com/file/d/1u11oskKUOO3SF3avp12df6Ewjm2J4G7v
2. Extract all the files in "assignment2.zip"
3. Rename the file as "Lastname-assignment2.html" (Change 'Lastname' to your actual last name)
4. Also, make sure to rename the CSS file (Lastname-assignment2.css), and link it into the .html file (*i.e., In the HTML file, change the name of the .css file in the HTML **head** element to match your new CSS file name*). **IF YOU DO NOT CHANGE THE NAME INSIDE THE HTML FILE, YOUR CSS WILL NOT BE APPLIED IN THIS HTML.**

Part 2: Verify Accessibility by placing these files in the "public_html/Assignments" folder
1. Use FileZilla to upload your files on the "Assignments" folder
2. Verify the file is accessible: load the link in a browser and click validate for both files
3. If the table is not properly formatted, make sure that you updated the "Lastname-assignment2.html" file to point to the correct CSS file (since you changed the names of both files in Part1).
4. At the bottom of the screen, click on the validation link. Verify that there are no errors on the page. *You should periodically verify there are no errors as you complete the rest of the assignment*.

Part 3: Modify table
You'll start from a table that looks like this:

Name	E-mail	Years of Service
Joel Murach	joelmurach@yahoo.com	22
Anne Boehm	anne@murach.com	34
Zak Ruvalcaba	zak@modulemedia.com	4
Judy Taylor	judy@murach.com	39
Cyndi Vasquez	cyndi@murach.com	10
Kelly Slivkoff	kelly@murach.com	25
Juliette Baylon	juliette@murach.com	1

Then, you'll expand and format the table so it looks like the one that follows.

Employee Table

Department	Name	E-mail	Years of Service
Editorial	Joel Murach	joelmurach@yahoo.com	22
	Anne Boehm	anne@murach.com	34
	Zak Ruvalcaba	zak@modulemedia.com	4
Marketing	Judy Taylor	judy@murach.com	39
	Cyndi Vasquez	cyndi@murach.com	10
Customer Service	Kelly Slivkoff	kelly@murach.com	25
	Juliette Baylon	juliette@murach.com	1
Total Years of Service			105

To do these changes, use the following steps:

1. Update the HTML so the table has the caption and data shown in the second table.
   a. Implement the table as a figure and use the figure caption to supply the table caption.
2. Expand the CSS so it does the formatting shown in the second table.
   a. Use pseudo-elements to achieve colors
      (Hint, see: https://www.w3schools.com/css/css_pseudo_elements.asp.
      https://www.w3schools.com/cssref/sel_nth-child.asp, and
      https://www.htmlgoodies.com/beyond/css/css3-adding-color-to-tables-and-lists-using-pseudo-classes.html)
3. Modify the table for universal accessibility specifically with respect to screen readers.
   (Hint, see: **headers** attribute for <td> https://fae.disability.illinois.edu/rulesets/TABLE_7/
   and example: https://www.geeksforgeeks.org/html-td-headers-attribute/)
4. Validate for errors in both CSS and HTML.

Part 4: Submission
1. Upload the HTML and CSS files to the submission page
2. After you submit the file, click on "Comments" and in the textbox provide the URL of your HTML file on your webspace (You must provide the correct URL to get credit).
3. SUBMISSIONS WITHOUT THE URL WILL AUTOMATICALLY RECEIVE ZERO.

The rubric for this assignment is available on the following page.

Criteria	Possible Points
Table implemented as a figure Figure caption used and looks identical to image: justification, font size, padding	6
Table correctly formatted Table must be identical to image; new column, bold where required, text justification, border	12
Accessibility headers attribute with corresponding ids used	6
Validation No CSS and HTML errors	2
Correct link to your HTML file in the comment section on Canvas	4
Total Points	30