

CIT 155: Web Page Development

Chapter 8 Lab 2

In this lab we will create a complex table that merges rows and columns, as well as group the rows. I will be using the following images in this lab. The book does not cover the merging of columns and rows, but you should be aware of how it is done. We will use the same style sheet from lab 1 but will make some modifications to it.

1. Open the stylesheet from lab 1 and create a new css folder in the location where you will be working on lab 2. Save the style sheet to this new css folder.
2. Make the following alterations to the stylesheet:

- For the header element change the color property value to: #990000
- For the nav li element change the background-color property value to: #990000
- Change the color of the table's border to: #990000 and change it from a thin border to a thick border.
- Change the border-collapse property's value to: collapse
- Change the font size to 8.5pt for the table.
- Change the color for the caption element to: #990000
- Remove the styles for the class attributes and add the styles of:

```
thead, tfoot, th {
    background-color: #990000;
    text-align: center;
    color: #FFFFFF;
}
tbody {
    background-color: #CCCCCC;
    color: #000000;
}

th, td {
    border: thick double #990000;
}
```

- In this lab we'll use several different elements we hadn't used before. The above will set styles for these new elements.
- Scroll down to the styles for the desktop view. For the nav li a style change the value of the color property to: #990000
- Below that style remove the following:

```
/* Style to change the hover colors in desktop view */
nav li a:hover {
```

```

color: #FFFFFF;
background-color: #330099;
}

```

- The final change is for the caption color. Change the color property value to #990000
3. Save your changes to the style sheet and create a new document. Save the document as Chapter8Lab2.html, saving it to the same location as the css folder, not the stylesheet itself. We start our page the usual way by typing the following:

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1">
    <title>Chapter 8 Lab 2</title>
    <link rel = "stylesheet" href = "css/style.css" type = "text/css">

  </head>
  <body>

```

- We add the new meta element for the different viewports and link to the stylesheet.
4. Next we create the header section of our page which will include the navigation. Type:

```

<header>
  <nav>
    <ul>
      <li><a href =
"https://en.wikipedia.org/wiki/The_Dresden_Files_characters#Toot-Toot">Toot-
Toot</a></li>
      <li><a href =
"https://en.wikipedia.org/wiki/The_Dresden_Files_characters#Samuel_Peabody">Sa
muel Peabody</a></li>
      <li><a href =
"https://en.wikipedia.org/wiki/The_Dresden_Files_characters#Susan_Rodriguez">Su
san Rodriguez</a></li>
    </ul>
  </nav>

```

</header>

- As with the first lab we add links to more information about the different characters.

5. We start the main section of our document and start the table. Type:

```
<main>
  <table class = "center">
    <caption>Characters From "The Dresden Files"</caption>
```

6. Next let's set the table header using the <thead> tag, including the row that will serve as the table header. Type:

```
<thead>
  <tr>
    <td colspan="6">Dresden Files Characters</td>
  </tr>
</thead>
```

- Notice that the cell spans 6 cells? The colspan attribute is used to span multiple columns.

7. The table footer will be identical to the table header except the <tfoot> tag will be used. . Type:

```
<tfoot>
  <tr>
    <td colspan="6">Dresden Files Characters</td>
  </tr>
</tfoot>
```

8. Next we want to type the body of the table using the <tbody> tag. Type:

```
<tbody>
  <tr>
    <th>Name</th>
    <th colspan="4">Gender</th>
    <th>Species</th>
  </tr>
  <tr>
    <td rowspan="2">Toot-Toot</td>
    <td>Male</td>
    <td>X</td>
    <td>Human</td>
    <td></td>
```

```

        <td rowspan ="2">Dew Drop Fairy</td>
</tr>
<tr>
        <td>Female</td>
        <td></td>
        <td>Non-Human</td>
        <td>X</td>

</tr>
<tr>
        <td rowspan="2">Samuel Peabody</td>
        <td>Male</td>
        <td>X</td>
        <td>Human</td>
        <td>X</td>
        <td rowspan = "2">Wizard</td>
</tr>
<tr>
        <td>Female</td>
        <td></td>
        <td>Non-Human</td>
        <td></td>

</tr>
<tr>
        <td rowspan="2">Susan Rodriguez</td>
        <td>Male</td>
        <td></td>
        <td>Human</td>
        <td>X</td>
        <td rowspan = "2">Reporter</td>
</tr>
<tr>
        <td>Female</td>
        <td>X</td>
        <td>Non-Human</td>
        <td></td>

</tr>
</tbody>

```

9. Various <td> tags span rows and columns. When spanning rows use the rowspan attribute set to the number of rows you wish to span. The colspan attribute is used to span multiple cells. These are the same as using the merge feature in Microsoft Word. When you span multiple rows you do not include the tags for the cells in the other rows the cell spans.

10. Finish closing the table and the main element by typing:

```
</table>
</main>
```

11. We finish our page by typing:

```
</body>
</html>
```

12. Save your work and display it in a browser.
13. Validate your code for accuracy using both the HTML and CSS Validators.
14. Compress both the html document and css folder into a single zip or rar file.
Submit the document within the appropriate drop box.
15. Your table should look like this:

Dresden Files Characters					
Name		Gender			Species
Toot-Toot	Male	X	Human		Dew Drop Fairy
	Female		Non-Human	X	
Samuel Peabody	Male	X	Human	X	Wizard
	Female		Non-Human		
Susan Rodriguez	Male		Human	X	Reporter
	Female	X	Non-Human		
Dresden Files Characters					
Characters From "The Dresden Files"					

Desktop View

Toot-Toot

Samuel Peabody

Susan Rodriguez

Dresden Files Characters					
Name		Gender			Species
Toot-Toot	Male	X	Human		Dew Drop Fairy
	Female		Non-Human	X	
Samuel Peabody	Male	X	Human	X	Wizard
	Female		Non-Human		
Susan Rodriguez	Male		Human	X	Reporter
	Female	X	Non-Human		
Dresden Files Characters					

Characters From "The Dresden Files"

Tablet View

Toot-Toot

Samuel Peabody

Susan Rodriguez

Dresden Files Characters					
Name	Gender			Species	
Toot-Toot	Male	X	Human		Dew Drop Fairy
	Female		Non-Human	X	
Samuel Peabody	Male	X	Human	X	Wizard
	Female		Non-Human		
Susan Rodriguez	Male		Human	X	Reporter
	Female	X	Non-Human		
Dresden Files Characters					

Characters From "The Dresden Files"

Mobile View