Websites, Image Attributes, and Copyright

Section 4.4.1, 4.8, and 4.10

Websites

- Websites consist of multiple web pages and images grouped together
- Each web page is a .htm or .html file
- Each image is a .gif, .jpg, or .png
- Place all pages of a site in the same folder
- It is customary and a good idea to place all images in a folder called images, and place this folder in the website folder

Problem

- Create a folder called *htmlExample* in your sites folder on Euler
- Create a folder called *images* inside of the above folder
- Create an HTML file called "htmlinfo.html" that for starters has two HTML links in the file as follows:
  - HTML Terminology
  - HTML Tags
- If HTML Terminology is clicked, then go to a file "htmlterms.html" that displays two terms:
  - HTTP – Hypertext Transfer Protocol
  - HTML – Hypertext Markup Language
- If HTML Tags is clicked, then go to a file "htmltags.html" that displays two tags:
  - <p> paragraph break
  -
 line break

Main HTML Page

HTML Terminology and HTML Tags

HTML Terminology
HTML Tags

CS120 10/1/06

More Hyperlinks

- It is possible to copy an HTML source file from the Web and make modifications to fit your needs (provided the material is not copyrighted). As an example, let's all copy the CS120 course syllabus and save it on the desktop
  - http://zeus.cs.pacificu.edu/shereen/cs120sp07/Lectures/09SyllabusExample.html

Named Anchor

- A named anchor is a hyperlink to a place in the same document.
  - Course Details
  - Optional Text
- Notice: The text looks like a normal link, but clicking on the link goes to a the location of where the <a name="details"> Course Details .> tag exits.

Problem

- Create a set of links at the top of the CS120 syllabus that will take the viewer to each major section of the syllabus. Use the "Named Anchors" kind of links to implement your solution.
- The major sections are:
  - Textbooks | Grade Distribution | Policies | Dates of Exams

Tables

Tables allow:

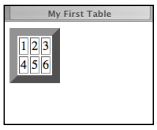
- Different colors to be displayed on different areas of the screen
- Text to be easily displayed in columns and rows with margins
- Regions with images and clickable areas
- A 3D frame for a look of depth

Table Definition

- <table border=?></table> - these two tags define a table with a border of ? Pixels
- Inside the table you define the rows and the columns
  - <tr></tr> - defines a table row
  - <td></td> - defines a table columns

Table Example

```
<table border=10>
  <tr>
    <td>1</td>
    <td>2</td>
    <td>3</td>
  </tr>
  <tr>
    <td>4</td>
    <td>5</td>
    <td>6</td>
  </tr>
</table>
```



Problem

- Create a table with two of your friend's names and telephone numbers in a table with three rows and two columns
- The first row is to contain headings in red
- The next two rows contain the names and phone numbers in blue

Table Attributes

- <table cellspacing="?"> sets the number of pixels between cells
- <table width="?"> set the width of the table in pixels
- <table width="?%"> set the width of the table in percentage of the screen
- <table border=5 bgcolor="#000000"> sets background color
- <caption align=top|bottom> Text </caption> provides a caption for the table either at the top or bottom of the table

Cell Attributes

- <td align=left|right|center> aligns the text in the cell accordingly
- <td width="?"> or <td width=?%"> controls the width of the column in terms of pixels or percentage of the table, respectively

Cell and Table Attributes Example

```
<table border=1 width=50% align="center" >
  <caption align="top"> Title </caption>
   <tr> <td align=center>Text Centered in Cell</td></tr>
  <tr> <td width=25%>1</td>
       <td width=50%>2</td>
       <td width=25%>3</td></tr>
  </table>
```

Title

Text Centered in Cell		
1	2	3

Colspan & Rowspan

- To extend a table element across three columns you need to use the COLSPAN attribute in the TD tag

```
<table border=1>
     <tr>
     <td colspan=3>Spanning text.</td>
      </tr>
     <tr> <td>1</td>
          <td>2</td>
          <td>3</td> </tr>
</table>
```

Spanning text.		
1	2	3

- ROWSPAN can be used in the same way.

Reproduce the Following