HTML – Recitation Notes

Basic Structure of HTML program

<html>
  <head>
    <title>Title of the Page</title>
  </head>
  <body>
    Content of the Page
  </body>
</html>

• The order in which you open and close the tags is important!
• The content between <html> & </html> describes the webpage.
• The content between <body> & </body> describes the visible content of the webpage.

Basic Tags

• Bold: <b>Text appears bold</b>
• Italics: <i>Text appears in Italics</i>
• Underline: <u>Text appears underlined</u>
• Paragraph: <p>Text appears in a paragraph</p>
• Line Break: <br/>
• Horizontal Line: <hr/>
• Heading tags (in descending order of size): <h1>Text</h1>, <h2>Text</h2>, <h3>Text</h3>, <h4>Text</h4>, <h5>Text</h5>, <h6>Text</h6>

• Hyperlink: <a href="URL" target="_blank">Text to appear on webpage</a>
  target="_blank" is to open the link page on a new window/tab

• Image: <img src="Path to Image" alt="some text"/>
  alt="some text" is to display some alternate text in case there is an error uploading the image.

Basic Structure of a List

Unordered List:-
<ul type="disc">
  <li>Item 1</li>
  <li>Item 2</li>
  <li>Item 3</li>
</ul>
Ordered List:-
<ol type="A">
  <li> Item 1</li>
  <li> Item 2</li>
  <li> Item 3</li>
</ol>

Basic Structure of Table
<table>
  <tr>
    <td> Row 1, Cell 1</td>
    <td> Row 1, Cell 2</td>
  </tr>
  <tr>
    <td> Row 2, Cell 1</td>
    <td> Row 2, Cell 2</td>
  </tr>
</table>

Comment Tag:-
<!-- This is the Comment Tag -->

Mailto Tag:-
<a href="mailto:xyz@rutgers.edu">Email Us</a>

Cascading Stylesheets

• Apply style to all tags of a particular type throughout the page by placing the style tag in the head section.
  For example, let us set the style of h2 tag and the table tag for an entire page.
  <head>
    <style type="text/css">
      h2
      {
        font-family:Verdana;
        color:blue;
      }
    </style>
  </head>
creating hyperlinks to go to the top/ bottom of a page

• to go to bottom of page from top, use the following tag at the beginning of the body section,
  <a name="top" href="#bottom">go to bottom</a>

• to go to top of page from bottom, use the following tag at the end of the body section,
  <a name="bottom" href="#top">go to top</a>
**Attributes**

Format = `<tag attribute="value">`

Each of the values can have specifications, for example `<body style="background-color:red">`, red is a specification for the value. Do check out all possible specifications for each of the values for the different attributes.

**Some of the Tags we did in the Recitation**

<table>
<thead>
<tr>
<th>Tag</th>
<th>Attribute</th>
<th>Value</th>
<th>Property</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>&lt;body&gt;</code></td>
<td>style</td>
<td>background-image:url('photo.jpg')</td>
<td>Sets the image photo.jpg as the background</td>
</tr>
<tr>
<td><code>&lt;body&gt;</code></td>
<td>style</td>
<td>background-color:red</td>
<td>Sets the background color to red</td>
</tr>
<tr>
<td><code>&lt;body&gt;</code></td>
<td>style</td>
<td>background-color:rgb(x,y,z)</td>
<td>Sets the background color to a combination of red, green and blue with x,y &amp; z intensities</td>
</tr>
<tr>
<td><code>&lt;img&gt;</code></td>
<td>width</td>
<td>120</td>
<td>Sets the width of the image to 120 pixels</td>
</tr>
<tr>
<td><code>&lt;img&gt;</code></td>
<td>height</td>
<td>150</td>
<td>Sets the height of the image to 150 pixels</td>
</tr>
<tr>
<td><code>&lt;img&gt;</code></td>
<td>align</td>
<td>top left right bottom</td>
<td>Aligns the image according to the value</td>
</tr>
<tr>
<td><code>&lt;img&gt;</code></td>
<td>alt</td>
<td>Text</td>
<td>alt attribute specifies an alternate text for an image, if the image cannot be displayed</td>
</tr>
<tr>
<td><code>&lt;p&gt;</code></td>
<td>style</td>
<td>font-family:Verdana</td>
<td>Sets the font for the text to Verdana in the paragraph block</td>
</tr>
<tr>
<td><code>&lt;p&gt;</code></td>
<td>style</td>
<td>color:red</td>
<td>Sets the font color to red for the text in the paragraph block</td>
</tr>
<tr>
<td><code>&lt;p&gt;</code></td>
<td>style</td>
<td>font-size:14</td>
<td>Sets the font size to 14 for the text in the paragraph block</td>
</tr>
<tr>
<td><code>&lt;p&gt;</code></td>
<td>style</td>
<td>text-align</td>
<td>Align the paragraph text</td>
</tr>
<tr>
<td><code>&lt;h1&gt;...&lt;h6&gt;</code></td>
<td>style</td>
<td>font-family:Verdana</td>
<td>Sets the font to Verdana for the text in the paragraph block</td>
</tr>
<tr>
<td>Tag</td>
<td>Attribute</td>
<td>Value</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><code>&lt;h1&gt;</code>... <code>&lt;h6&gt;</code></td>
<td>style</td>
<td>color:red</td>
<td>Sets the font color to red for the text in the paragraph block</td>
</tr>
<tr>
<td><code>&lt;h1&gt;</code>... <code>&lt;h6&gt;</code></td>
<td>style</td>
<td>font-size:14</td>
<td>Sets the font size to 14 for the text in the paragraph block</td>
</tr>
<tr>
<td><code>&lt;ul&gt;</code></td>
<td>type</td>
<td>disc/square/circle</td>
<td>Forms an unordered list with bullet shapes as disc or square or circle respectively</td>
</tr>
<tr>
<td><code>&lt;ol&gt;</code></td>
<td>type</td>
<td>1/A/a/I/i</td>
<td>Forms an ordered list with numbering as numerical or Uppercase Alphabetic or Lowercase Alphabetic or Uppercase Roman Numerals or Lowercase Roman Numerals</td>
</tr>
<tr>
<td><code>&lt;table&gt;</code></td>
<td>style</td>
<td>height:50%</td>
<td>Sets the height of the table to 50% of page. Height can be specified in terms of percentage or no. of pixels</td>
</tr>
<tr>
<td><code>&lt;table&gt;</code></td>
<td>style</td>
<td>width:80%</td>
<td>Sets the width of the table to 80% of page. Width can be specified in terms of percentage or no. of pixels</td>
</tr>
<tr>
<td><code>&lt;table&gt;</code></td>
<td>style</td>
<td>border-style:solid</td>
<td>Sets the style of the table border to solid</td>
</tr>
<tr>
<td><code>&lt;table&gt;</code></td>
<td>style</td>
<td>border-width:2px</td>
<td>Sets the width of the border to 2px</td>
</tr>
<tr>
<td><code>&lt;table&gt;</code></td>
<td>style</td>
<td>border-color:green</td>
<td>Sets the color of the border to green</td>
</tr>
<tr>
<td><code>&lt;table&gt;</code></td>
<td>style</td>
<td>Border-spacing:1px</td>
<td>Sets spacing of adjacent cells</td>
</tr>
<tr>
<td><code>&lt;table&gt;</code></td>
<td>border</td>
<td>1px</td>
<td>Sets the border thickness to 1px (displays cells)</td>
</tr>
<tr>
<td><code>&lt;td&gt;</code></td>
<td>colspan</td>
<td>2</td>
<td>Extend the cell to span to 2 columns</td>
</tr>
<tr>
<td><code>&lt;td&gt;</code></td>
<td>rowspan</td>
<td>2</td>
<td>Extend the cell to span to 2 rows</td>
</tr>
</tbody>
</table>