



Chapter 3

Web Design & HTML

Web Design Class
Mrs. Johnson

Web Design

- Web design is the design and development of a page or a web site.
- A web site is the entire site, like www.target.com
- A page is one single page for the web.

HTML

- HTML stands for Hyper-Text Markup Language
- HTML is a set of special codes, called tags, that are used to “mark up” plain text so that a browser application (IE) knows how to display the text in a browser window.

Here is a sample of HTML

- `<html>`
- `<head>`
- `<title>An example HTML document</title>`
- `</head>`
- `<body>`
- `<p>Hello World!</p>`
- `</body>`
- `</html>`

This is what the code “says”

Hello World!

How to start HTML

- HTML code always begins with the tag `<html>`
- This tells the computer software that it will be a webpage

Tags

- The html, head, title, and body tags are called document tags:
- Html tag tells the browser that the file contains HyperText Markup Language
- The head tag is the section that contains information about the document, including it's title. This section will not be displayed as part of the document content.

<head>

- <head>
- <title>Untitled Document</title>
- <!--
- .style1 {font-size: x-large}
- .style2 {color: #99CC66}
- -->
- </style>
- </head>

Tags

- The title tag marks the document title. The title section must be within the head section. The document title should be descriptive as it is displayed in the title bar of the browser's window and is also used when the user adds the document to the Favorite's List.
- The body tag defines the body section, which contains the document's content. All content must be enclosed in the appropriate tags.

body

- The body is what your viewer will be reading. The body is either text, pictures, or Flash
- `<body>` ---begins the body process

After the `<body>` you can begin to type your page

`<p>` is for paragraph, it begins the paragraph

`</p>` ends the paragraph

`<p align="center">` will center align. You will change the "center" to left or right to have it justified left or right.

Paragraph `<p>`

- Text enclosed by the `<p>` and `</p>` is a paragraph. Lines of paragraph text are automatically wrapped by the browser and a blank line is added after each paragraph.

Break `
`

- To move a line of text within a paragraph to the next line, a break tag `
` can be used.
- This is one of the few HTML tags that does not need to be paired with an ending break `</br>`

 is the code for creating a space

To have several spaces, you would code:

```
<p>&nbsp;&nbsp;&nbsp;</p>
```

That code will place 3 spaces

Naming a file

- Can be up to 255 characters long and can contain letters, the underscore character (`_`), and numbers.
- IT CAN NOT contain colons (`:`), question marks (`?`) and some other special characters
- There should not be any spaces, the document name should be lowercase
- The extension is `.htm` → example `index.htm`

headings

- Headings are tags to emphasize text. There are six levels of headings
- `<h1>Largest, about size 36</h1>`
- `<h2>Larger, about size 24</h2>`
- `<h3>Large, about size 18</h3>`
- `<h4>Small, about size 12</h4>`
- `<h5>Smaller, about size 8</h5>`
- `<h6>Smallest, about size 6</h6>`

colors

- `<body bgcolor="Black" text="Silver">`
- Black color is actually coded as `"#000000"`
- Silver color is actually coded as `"#C0C0C0"`
- List of colors can be found at:
- <http://www.visibone.com/colorlab/>
- <http://html-color-codes.com/>

Horizontal Rules

- `<hr>` tag places a horizontal rule (line) across the width of the browser window. This divides the text in the browser window into sections for easier reading.
- The `width`, `align`, and `size` attributes of the `<hr>` tag can be used to modify the features of the rule

Horizontal Rules

```
<hr width="50%" align="left" size="4">
```

This tag includes attributes that display a rule across half of the browser window (50%), left aligned, and with a thickness of 4 pixels

Comments

Comments are used to explain and clarify HTML to the reader of an HTML document. They do not appear in a browser window.

```
< -- draws a centered horizontal line across  
75% of the screen-- >
```

```
<hr width="75%">
```

Hyperlinks

- The anchor tag `<a>` is used to mark text that is a link. The href attribute is set in the tag to the name of the linked document. Here is the code:

```
<html>
```

```
<body>
```

```
<p>Images can come from sources including<a  
  href="digicam.htm">digital cameras</a></p>
```

```
</body>
```

```
</html>
```

hyperlinks

```
<html>
<body>
<p>Images can come
  from sources
  including<a
  href="digicam.htm">
  digital cameras</a></
  p>
</body>
</html>
```

- The words digital cameras is where the blue underline would be to represent a hyperlink.