

HTML and Web Pages

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Click to add Text

HTML?

- ◆ HTML is not a programming language
- ◆ A type of SGML (standard generalized markup language)
- ◆ HTML uses paired tags to markup different elements of a page
- ◆ We will discuss XHTML later.
- ◆ Language that drives web pages in WWW
- ◆ It is where we will start the semester

Editing Your HTML File

- ◆ Try not to use Notepad use EditPlus instead
- ◆ WYSIWYG editor, like FrontPage
- ◆ PHP Designer or HTMLGateFree
- ◆ Familiarize with the mechanics
- ◆ Without using WISIWYG like Frontpage
- ◆ Understand the coding behind web pages
- ◆ Provides you the knowledge to make changes

Publish at marqone.busadm.mu.edu

- ◆ We'll publish on the server designated for the class
- ◆ Using an FTP server like Filezilla
- ◆ The server also have a file transfer program but Filezilla is easier to use

Words to remember

◆ Tag

- Used to specify special regions to the web browser. Tags look like this: <tag>

◆ Element

- A complete tag, having an opening <tag> and a closing <tag>.

◆ Attribute

- Used to modify the value of the HTML element. Elements will often have multiple attributes.

Element?

- ◆ An element consists of three basic parts: an opening tag, the element's content, and finally, a closing tag.
- ◆ `<p>` - opening paragraph tag
- ◆ **Element Content** - paragraph content
- ◆ `</p>` - closing tag
- ◆ Every webpage contains four basic elements. The *html*, *head*, *title*, and *body* elements.

More elements

- ◆ <html> begins and ends each and every web page.
- ◆ The <head> element comes next.
 - Tags placed within the *head* element are not directly displayed by browsers.
- ◆ Place the <title> tag within the <head> element to title your page. The title will be displayed at the top of a viewer's browser.
- ◆ The <body> element is where *all* content is placed. Paragraphs, pictures, tables, etc.

A Simple HTML File – ex1.html

```
<html>
```

```
  <head>
```

```
    <title>A Simple HTML Example</title>
```

```
  </head>
```

```
  <body>
```

```
    HTML is Easy To Learn</H1>
```

```
    Welcome to the world of HTML.
```

```
  </body>
```

```
</html>
```

Exercise – ex1.html

- ◆ Using Filezilla – open
marqone.busadm.mu.edu
- ◆ Enter user name and password
- ◆ mkdir – “exercise”
- ◆ Go into the exercise directory
- ◆ create ex1.html with HTMLGateFree
- ◆ Test it before you download to the “server”
- ◆ Download and test
<https://marqone.busadm.mu.edu/~user/exercise/ex1.html>

Tags

- ◆ Tags are embedded commands within a document that communicate to the browser.
- ◆ <opening tag> Content </closing tag>
- ◆ Any number of white-spaces are compressed into a single one
- ◆ Examples of Tags
 - ◆ <p>Paragraph Tag</p>
 - ◆ <h2>Heading Tag</h2>
 - ◆ **Bold Tag** or **Bold Tag**
 - ◆ <i>*Italic Tag*</i> or *Italic Tag* </i>

More HTML tags

- ◆ Tags Without Closing Tags
- ◆ They still have the 3 basic parts (opening/closing and content).
- ◆ do not require a formal </closingtag>
- ◆ Examples:
 - ◆ -- Image Tag
 - ◆
 -- Line Break Tag
 - ◆ <input type="text" size="12" /> -- Input Field

Lists – un-numbered

◆ Unnumbered Lists:

```
<UL>
```

```
    <LI> apples </LI>
```

```
    <LI> bananas </LI>
```

```
    <LI> grapefruit </LI>
```

```
</UL>
```

Unnumbered Lists with different pointer types:

```
<UL type="square">
```

```
    <LI> oranges </LI>
```

```
    <LI> peaches </LI>
```

```
    <LI> grapes </LI>
```

```
</UL>
```

type="square"

type="disc"

type="circle"

Lists - numbered

◆ Unnumbered Lists:

 apples

 bananas

 grapefruit

Numbered Lists:

 oranges

 peaches

 grapes

Lists - numbered

- ◆ Numbered Lists that starts with 4:

```
<OL start="4">  
    <LI> oranges </LI>  
    <LI> peaches </LI>  
    <LI> grapes </LI>  
</OL>
```

- Numbered Lists with different ordering:

```
<OL type="a">  
    <LI> oranges </LI>  
    <LI> peaches </LI>  
    <LI> grapes </LI>  
</OL>
```

type="a": a, b, c
type="A": A, B, C
type="i": i, ii, iii
type="I": I, II, III

Lists

TIPS

Use the *start* and *type* attributes to customize your lists. It is possible to make lists of lists, which is helpful for creating some items, such as outlines.

Put it all together so far

```
<HTML>
<HEAD>
<TITLE>The document title</TITLE>
</HEAD>

<BODY>
<H1>Main heading</H1>
<P>A paragraph.</P>
<P>Another paragraph.</P>
<UL> Things that I like </UL>
    <LI>A list item.</LI>
    <LI>Another list item.</LI>
</UL>
</BODY>
</HTML>
```

Block vs. Inline Elements

- ◆ <h2>This header will be bold and italicized</h2>
OR
- ◆ <h2>This header will be bold and italicized</h2>
- ◆ and <h2> are different kinds of tags.
- ◆ <h2>: header elements are BLOCK-LEVEL elements.
- ◆ : is an INLINE-LEVEL element.

Formatting

```
<p>An example of <b>Bold Text</b> </p>
<p>An example of <em>Emphasized Text</em> </p>
<p>An example of <strong>Strong Text</strong> </p>
<p>An example of <i>Italic Text</i> </p>
<p>An example of <sup>superscripted Text</sup> </p>
<p>An example of <sub>subscripted Text</sub> </p>
<p>An example of <del>struckthrough Text</del> </p>
<p>An example of <code>Computer Code Text</code> </p>
<center>Centering of text in page</center>
```

Hyperlinks

- ◆ The most important capability of HTML
- ◆ Both text and image can serve as anchors for the link

```
<a HREF=http://www.mu.edu>Marquette University</a>
```

```
<a HREF=http://www.mu.edu> <IMG  
SRC="mu.gif"></a>
```

Exercise: ex2.html

The screenshot shows a Mozilla Firefox window with the title bar "Annie's Website - Mozilla Firefox". The menu bar includes File, Edit, View, Go, Bookmarks, Tools, and Help. The toolbar has standard icons for Back, Forward, Stop, Home, and Search. The address bar displays "file:///C:/Documents%20and%20Settings/owt/My%20Documents/MANA128/ex2.html". Below the address bar is a toolbar with "Getting Started" and "Latest Headlines" buttons. The main content area displays the text "Annie's Website". Below it, a paragraph reads: "This is my first class in building a website. I am currently a junior studying [Marquette University](#). I come from the city of [Madison, WI](#)." A section titled "Helpful College Links" lists three items: "Marquette University", "D2L", and "Checkmarq". Another section titled "Helpful HTML Links" lists several items under two main categories: "HTML Language/Commands" (with links to "HTML Help by the Web Design Group", "HTML Code Tutorial", and "Learn HTML By Example") and "Images, Misc" (with links to "HTML Goodies" and "Free GIF Files and Animation"). The status bar at the bottom shows "Transferring data from www.htmlgoodies.com..." and the Windows taskbar with icons for Start, My Documents, Microsoft Power..., Inbox - Microsoft..., MPS HTMLGATE..., Annie's Website..., Welcome to the..., and other system icons.

Annie's Website

This is my first class in building a website. I am currently a junior studying [Marquette University](#). I come from the city of [Madison, WI](#).

Helpful College Links

- [Marquette University](#)
- [D2L](#)
- [Checkmarq](#)

Helpful HTML Links

- HTML Language/Commands
 - [HTML Help by the Web Design Group](#)
 - [HTML Code Tutorial](#)
 - [Learn HTML By Example](#)
- Images, Misc
 - [HTML Goodies](#)
 - [Free GIF Files and Animation](#)

Transferring data from www.htmlgoodies.com...