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## ***What is HTML ?***

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HTML (hypertext markup language) is the computer language that is used to create documents for display on the Web. Many editors exist to create Web Pages – Word, Excel, PowerPoint, FrontPage, DreamWeaver, and GoLive are just a few. Nevertheless, each of these software programs (editors) performs the exact same task – they all generate HTML language.

The HTML language consists of a series of HTML tags. Learning HTML involves finding out what tags are used to mark the parts of a document and how these tags are used in creating an HTML document.

Tags are instructions that tell your browser what to show on a Web page. They break up your document into basic sections. All tags start with a < (left bracket) and end with a > (right bracket).

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## ***What is a text editor ?***

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A text editor is any program that saves the text characters you type, but does not save additional information about the formatting of the page. Recall the in-class example where two files were created: (1) one in MS Word, and (2) one in MS Notepad. The word “Hello” was saved in each document. You were told in advance that each character requires 1 byte of storage space. The file created in MS Word required 19,000 bytes (19 Kilobytes) of storage space. The file created in MS Notepad required only 5 bytes (1 byte per letter). The reason for the difference is that MS Word saved information about the page formatting in the hello.doc file. MS Notepad saved only each character typed into the document in the .txt file.

You will use text editor Microsoft Notepad to design a Web page. This involves opening Notepad, typing the required HTML tags in addition to the content of your Web page, and then saving the Web page with a name that ends in .html (for example Welcome.html).

Naturally, you must copy the file you create to your Web space before it will be visible on the Internet.

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## HTML “*body*” tags (necessary to form the *structure* of a Web Page)

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The first tags you will learn are those that are necessary to begin and end the HTML document. When your Web browser encounters these tags, it knows to display the document as a Web page.

**<HTML>** = Begin HTML page  
**</HTML>** = End HTML page

Notice that the first tag starts with the less than symbol, includes the words HTML and then ends with the greater than symbol. That’s all there is too it! Thus, the document begins.

Notice that the Ending tag also has a forward slash. The use of the forward slash is commonly used to signal a stop or closing point.

All the other HTML tags go between these two tags. For example, if you want to give your Web page a title: “Introduction of Phillip Zwass” the appropriate HTML tag is used between the <HTML> and </HTML> tags as follows:

```
<HTML>
<TITLE> Introduction of Phillip Zwass </TITLE>
</HTML>
```

So, you’ve learned another tag. The <TITLE> tag. Note that HTML isn’t as picky as Java. The title does not go inside quotes. Rather, the “tag” understands that the following content will be text. Like other HTML tags, TITLE has an opening <TITLE> and closing </TITLE> tag. The text appearing between these two tags will appear in the title bar of the Web browser when your Web page is displayed.

But now, you want to write the main content of your Web page – the body. You want to tell people about your company or a product you are selling. To do this, you need to use the *BODY* tags. The beginning <BODY> tag is located underneath the title tag. You type the tag, then the main message of you want to convey. Then, you close the body with a closing tag as shown below:

A basic Web page requires the use of all the tags below. (In assignment #12, you will create a Web page using the following basic form). NOTE THE PLACEMENT OF THE TAGS – VERY IMPORTANT!

```
<HTML>
<TITLE> Introduction of Phillip Zwass      </TITLE>
<BODY> My name is Phillip Zwass and I am a Senior Electrical and Computer Engineer
        at Christian Brothers University in Memphis, Tennessee.

        My work experience includes an internship at ABC Corporation where I wrote
        Web pages describing key products and services provided by the company.

</BODY>
</HTML>
```

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## HTML *formatting* tags

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Other HTML tags enable you to format your Web page. Simply insert the tags around the words you want bolded or italicized or underlined.

<B> begin bolding text	</B> stop bolding text
<U> begin underlining text	</U> stop underlining text
<I> begin italicizing text	</I> stop italicizing text
<CENTER> begins to center text	</CENTER> stop centering text

This is the extent of the HTML formatting tags that we will learn. If you wish to learn additional HTML tags including how to insert an image, display background colors, etc... a very good tutorial on HTML tags can be found at: <http://www.geocities.com/Baja/4361/htmlcode.html> and a good tutorial on inserting images can be found at: <http://www.geocities.com/Baja/4361/imagine.html>. A final recommendation includes: <http://www.lissaexplains.com/html.shtml>. Let me emphasize, you are only responsible for, and we will only be discussing the HTML tags included in this document.

*Note: HTML is not case sensitive. Tags are often typed in upper case so that they can be quickly located.*

### **An example of the Bold Tag:**

To bold a web page, this is what you do. First, decide where you want to bold your text. For instance, in the short story below, I want to bold from the text as shown below: " This is the story of a Java applet. **This applet is easy and fun.** It is my favorite program in the world! " The HTML code is shown below.

```
<HTML>
<TITLE>Sample Web page without embedded Java applet</TITLE>
<BODY>
```

This is the story of a Java applet. **This applet is easy and fun**. It is my favorite program in the world!

```
</BODY>
</HTML>
```

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## What is a URL ?

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The acronym URL stands for "uniform resource locator." It's the standard address that can take you to a document, or a specific place on a document, anywhere on the WWW. The URL for CBU is <http://www.cbu.edu>. Your personal URL is <http://www.cbu.edu/~yourloginname>