Basics of HTML, CSS & Javascript

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**HTML**

**HTML-Hypertext Markup Language**
Currently version 4.0 is being used

- **Hypertext** is a way to organize content on a web page so the user can view in a non-sequential manner

- **Markup** is the code that tells the browser how to display the web page

- **Language** refers to the markup language, **NOT** programming
WORLD WIDE WEB CONSORTIUM (W3C)

**HTML** is designed to display data

**XML** is designed to describe data

**XHTML** Extensible Hypertext Markup Language

WORLD WIDE WEB CONSORTIUM (W3C)
the organization that creates the standard for web site uniformity and consistency
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title></title>
</head>
<body>
</body>
</html>
HOT TIP!

AFTER CODING YOUR WEB PAGE DOCUMENT
SAVE AS .htm OR .html NEVER .txt

But, Why? You Ask…

GOOD QUESTION!

The Reason is that your page will not appear in the browser (since the browser doesn’t know what a .txt is!)

Instead it will open as a text document like a Word document and that isn’t what we want…SO DON’T DO IT!
IN SHORT: CSS has more Functionality
Basic CSS Template

/* Author: <your name>
Style Sheet for: <web page(s)>
---------------------------------- */

/* =b body */
---------------------------------- */

/* =h headings */
---------------------------------- */

/* =p paragraphs */
---------------------------------- */

/* =txt text */
---------------------------------- */

Link to HTML document
declaration{property:style;}
declaration{property:style;}
declaration{property:style;}
declaration{property:style;}
declaration{property:style;
HOT TIP!

**STYLES SPECIFIED 2 WAYS:**

**EXTERNAL STYLE SHEET**
- Applied to multiple pages
- Changes the look of an entire Web site by changing ONLY one file

**INTERNAL STYLE SHEET**
- Inside the head section of an HTML page
- Used for a single document to make a unique style

*Don’t FORGET!*
Javascript

The most used programming language to add interactivity to HTML pages

- Reacts to Events
  ex: when a page finishes loading when a user clicks an HTML element

- Detects visitor's browser
  Loads other pages specifically for that browser

- Reads AND writes HTML elements
Basic Javascript Template

Combination of head & body

<html>
<head>
</head>
<body>
<script type="text/javascript">
document.write("...");
</script>
</body>
</html>
HOT TIP!

**JAVA SCRIPTS ARE:**

- Case Sensitive
- A JavaScript statement is a command to a browser. to tell the browser what to do
- Executed by the browser in the order they are written
- Performs immediately as page loads into the browser
THE FINISHED PRODUCT

**SHOULD HAVE 3 TEXT DOCS:**

HTML Content document (saved as .htm or .html)

Linked to –

JavaScript Document (saved as .js)

Linked to –

Linked to –

CSS Styled Document (saved as .css)

(Sample Web Page)