**HTML & CSS**

**All info from the document was gotten from the link below. For more on HTML:** [**https://www.w3schools.com/html/default.asp**](https://www.w3schools.com/html/default.asp)

***What is HTML?***

* HTML stands for Hyper Text Markup Language
* HTML is the standard markup language for creating Web pages
* HTML describes the structure of a Web page
* HTML consists of a series of elements
* HTML elements tell the browser how to display the content
* HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

***A Simple HTML Document***



* The <!DOCTYPE html> declaration defines that this document is an HTML5 document
* The <html> element is the root element of an HTML page
* The <head> element contains meta information about the HTML page
* The <title> element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)
* The <body> element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.
* The <h1> element defines a large heading
* The <p> element defines a paragraph

***What is an HTML Element?***

An HTML element is defined by a start tag, some content, and an end tag:

<tagname> Content goes here... </tagname>

The HTML **element** is everything from the start tag to the end tag:

<h1>My First Heading</h1>

<p>My first paragraph.</p>

**Note:** Some HTML elements have no content (like the <br> element). These elements are called empty elements. Empty elements do not have an end tag!

A screenshot of a computer

Description automatically generated

***Web Browsers***

The purpose of a web browser (Chrome, Edge, Firefox, Safari) is to read HTML documents and display them correctly.

A browser does not display the HTML tags, but uses them to determine how to display the document:



***HTML Page Structure***

***A screenshot of a web page

Description automatically generated***

**Note:** The content inside the <body> section will be displayed in a browser. The content inside the <title> element will be shown in the browser's title bar or in the page's tab.

**HTML DOCUMENT**

1. *The <!DOCTYPE> Declaration*

The <!DOCTYPE> declaration represents the document type, and helps browsers to display web pages correctly.

It must only appear once, at the top of the page (before any HTML tags).

The <!DOCTYPE> declaration is not case sensitive.

The <!DOCTYPE> declaration for HTML5 is:



1. HTML Headings

HTML headings are defined with the <h1> to <h6> tags.

<h1> defines the most important heading. <h6> defines the least important heading:

A screenshot of a computer

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1. HTML Paragraphs

HTML Paragraphs are defined with the <p> tag:

A text on a screen

Description automatically generated

1. HTML Links

HTML links are defined with the <a> tag:

A close-up of a computer screen

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The link's destination is specified in the href attribute.

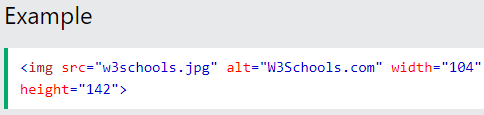
Attributes are used to provide additional information about HTML elements.

You will learn more about attributes in a later chapter.

1. HTML Images

HTML Images are defined with the <img> tag.

The source file (src), alternative text (alt), width and height are provided as attributes:



**How to View HTML Source**

Have you ever seen a Web page and wondered "Hey! How did they do that?"

*View HTML Source Code:*

Click CTRL + U in an HTML page, or right-click on the page and select "View Page Source". This will open a new tab containing the HTML source code of the page.

*Inspect an HTML Element:*

Right-click on an element (or a blank area), and choose "Inspect" to see what elements are made up of (you will see both the HTML and the CSS). You can also edit the HTML or CSS on-the-fly in the Elements or Styles panel that opens.

**HTML ATTRIBUTES**