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**Introduction to Digital Media 1**

**(Art 277)**

Section: 6

**Assignment One (1)**

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# Introduction

Hyper Text Markup Language – HTML

HTML is a document that contains text

Web browsers read and display documents that contain HTML

Typically, a **text editor** is a computer program that lets a user enter, change, store, and usually print [text](https://whatis.techtarget.com/definition/text) (characters and numbers, each encoded by the computer and its input and output devices, arranged to have meaning to users or to other programs).

# **History of HTML**

The first version of HTML was written by Tim Berners-Lee in 1993. Since then, there have been many different versions of HTML. The most widely used version throughout the 2000's was **HTML 4.01**, which became an official standard in December 1999.

Another version, **XHTML**, was a rewrite of HTML as an XML language. XML is a standard markup language that is used to create other markup languages. Hundreds of XML languages are in use today, including GML (Geography Markup Language), MathML, MusicML, and RSS (Really Simple Syndication). Since each of these languages was written in a common language (XML), their content can easily be shared across applications. This makes XML potentially very powerful, and it's no surprise that the W3C would create an XML version of HTML (again, called XHTML). XHTML became an official standard in 2000, and was updated in 2002. XHTML is very similar to HTML, but has stricter rules. Strict rules are necessary for all XML languages, because without it, interoperability between applications would be impossible.

**Inventors:**Tim Berners-Lee

**Developed by:**World Wide Web Consortium

# **Code/Text Editor**

A text editor is a computer program that lets a user enter, change, store, and usually print [text](https://whatis.techtarget.com/definition/text) (characters and numbers, each encoded by the computer and its input and output devices, arranged to have meaning to users or to other programs). Typically, a text editor provides an "empty" display screen (or "scrollable page") with a fixed-line length and visible line numbers. You can then fill the lines in with text, line by line. A special command line lets you move to a new page, scroll forward or backward, make global changes in the document, save the document, and perform other actions. After saving a document, you can then print it or display it. Before printing or displaying it, you may be able to format it for some specific output device or class of output device. Text editors can be used to enter program language source statements or to create documents such as technical manuals.

# HTML Document Syntax

HTML stands for Hyper Text Markup Language. Markup languages surround content in order to tell the browser how to format it. HTML does this through a series of elements. HTML Elements are made up of a starting tag and an ending tag like so:

<p>You're Learning HTML!</p>

Above we can see the p element which indicates a paragraph to the browser. The start tag <p> indicates the beginning of the paragraph and the ending tag </p> defines the end of the paragraph. As you can see tags names are surrounded by <> angle brackets. All the content You're Learning HTML! in the center is the body of the paragraph. This tells the browser to add space before and after the content "You're Learning HTML!".

The <html> tag wraps all of the content and tells the browser that everything in between the starting and ending <html>...</html> tags is to be interpreted is HTML code. Nested inside <html>...</html>, we have the <head>...</head> and the <body>...</body>. The head contains data for the browser and search engines (such as the title of the page, links to other stylesheets and scripts, meta keywords, and descriptions, among others)

# Git & GitHub

Basically, Git is **a version control system that lets you manage and keep track of your source code history**. GitHub is a cloud-based hosting service that lets you manage Git repositories. If you have open-source projects that use Git, then GitHub is designed to help you better manage them.

# Creating a GitHub Account

**Signing up for a new GitHub account**

1. Go to GitHub's Pricing page.
2. Read the information about the different products and subscriptions that GitHub offers, then click the upgrade button under the subscription you'd like to choose.
3. Follow the prompts to create your personal account or organization

# Conclusion

HTML stands for Hypertext Markup Language and it is the language widely use for creating web pages.

HTML was created using the prototype design by Tim Berners-Lee in late 1991

HTML is a must for students and working professionals desiring to become a great software engineer and web developer.

HTML code editor is a computer program or software for creating or/and editing HTML documents and web pages.

# References

<https://whatis.techtarget.com>

learn.co/lessons/html.synt