

WEB Pages and Sites

Digital Publishing

HTML

HTML means Hyper Text Markup Language

Created by **Tim Berners Lee** in CERN (European Center of Nuclear Research)

Derived from a SGML (Standard Generalized Markup Language) IBM 1969-1986

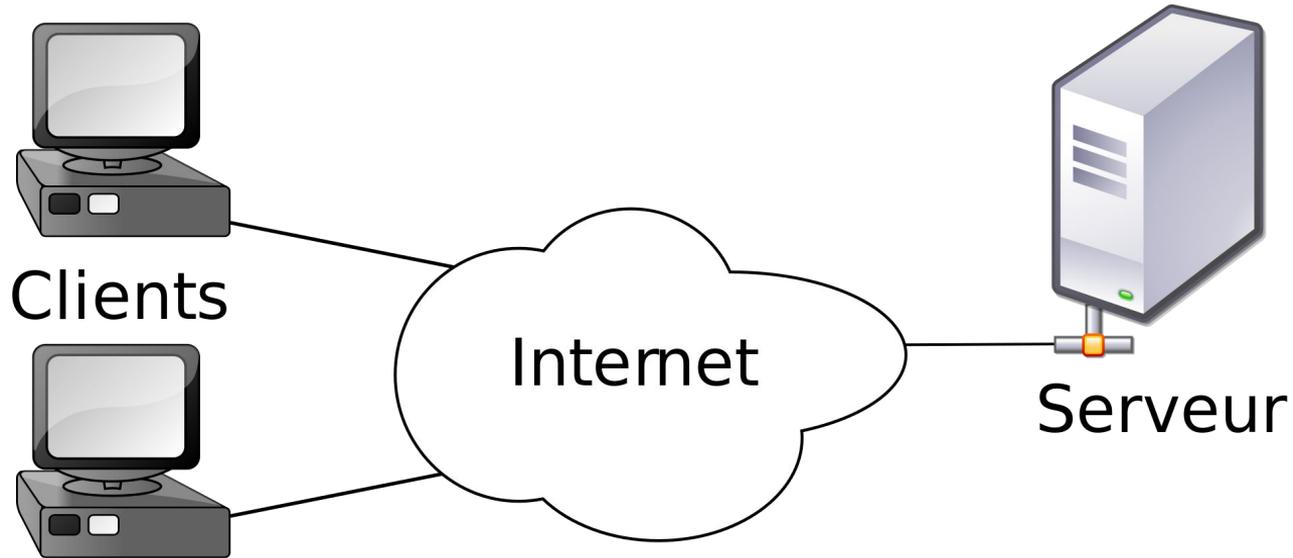
Extended with the XML (eXtended Markup Language) language family

HTML is **contents oriented** (not layout oriented)

HTML is **complemented for Layout** with CSS (Cascading Style Sheets)

[W3C](#) extends and maintains HTML5, HTML, XHTML, XML, RDF, SPARQL, CSS, XSL, PNG, SVG, MathML & SOAP

Internet “Client - Server” Architecture



Pages are displayed on the Client
(= Web Browser)

Web pages are stored on the Server
The Server sends them to the Client

HTML is as simple as THAT (**initially**)

`<!DOCTYPE html>`

`<html>`

`<head>`

`<title>Page Title</title>`

`</head>`

`<body>`

`<h1>My First Heading</h1>`

`<p>My first paragraph.</p>`

`</body>`

`</html>`

says that this document is an HTML5 document

the root element of an HTML page

meta information about the HTML page

beginning and end of web page Title

end of meta information about the HTML page

beginning of the web page

beginning and end of Header

beginning and end of Paragraph

end of the web page

end of HTML text

How to learn HTML (and all the rest...)

W3SCHOOLS : <https://www.w3schools.com/>

Main web related languages

HTML -> Web Page Contents

CSS -> Web Page Layout

JavaScript -> Interactive and dynamic web pages

JQUERY -> A Javascript Library (there are many others)

PHP -> Server Side language dynamic web pages + Database interface

Basic Tools for Basic Web Pages

For very basic web pages you need

A **basic text editor** (ex: **Windows Notepad**, or richer : [Notepad ++](#))

A **Web Browser** (Firefox, Microsoft Edge, Safari, etc...)

Some **Disk space on a Server** (See any decent Internet Service Provider)

A **Domain Name** (so that people may find your web pages)

A **File Transfer Protocol Client** (FTP) (Ex: [Filezilla](#))

Tools for less Basic Web Pages

The same as above, but...

You just replace the **basic text editor**, by a **WYSIWYG HTML Editor**

WYSIWYG = What You See is What You Get

Quite similar to a text editor like **MS-Word** and **LibreOffice Writer**

Usually NOT free software (Nor Open Source either)

Lots of HTML editors are available...

[CKEditor](#) Open source - Free for small businesses - Commercial for others

[WYSIWYG Web Builder](#) Proprietary 60 US \$

[Blue Griffon](#) Open Source and Commercial 75 euros

Alternatives

Most text processors (MS-Word etc...) provide Web Page creation functionalities

PDF allows making simple document-oriented “web pages”

Google (Docs, Drive, etc...) provides simple web pages tooling *and hosting*

[...]

Why using web sites ?

Other solutions...

- Wordpress (and others Dotclear, Drupal Habari Jekyll, Hugo, Eleventy (11ty))
- Contents Management Systems (CMS)
- Etc... (Comparison <https://www.weblogmatrix.org/>)

Evolve quickly, provide **nice and easy** but **non standard** features and **they are not really a way to preserve you work in the long term**
They are meant to a more or less “Shoot and Forget” use.

Think about the future : **long term, sustainability, independence & autonomy**

If you want your work to be saved in future -> Stick to standards !