HTML (Hypertext Markup Language)

* language used to markup documents in the World Wide Web
* structure and content of web pages, as well as their presentation aesthetics (mostly deprecated in favor of style sheets)
* Application of SGML (*Standard Generalized Markup Language)*

Mosaic – popular browser

Netscape navigator – mainstream web browser

***Browser war occur*** between 1990’s (Netscape Navigator VS Microsoft Internet explorer)

**Versions**

* HTML 1.0 (November 1995)
* HTML 2.0 (RFC 1866, Nov 1996)
* HTML 3.2 (W3C Recommendation Jan 1997)
* HTML 4.0(W3C Recommendation Dec 1997)
* HTML 4.01 (December 24, 1999)
* *Strict* – deprecated
* *Transitional* – still make use the deprecated
* *Frameset* – using frames
* HTML 5 (working draft) – 2014
* HTML 5.1 (2016)
* Components

**Doctype**

* to determine what version of HTML is being used.
* it triggers full Standards Mode of Rendering but in older versions of HTML, the browsers used DOCTYPE for switching between quirks mode (older ways of rendering documents) or Standards Mode of Rendering (following the specification by W3C for HTML & CSS).

**Element**

* HTML element (root).
* *Head element* – meta (define other contain information about the HTML), title, base, link, style (embedding) and script.
* **HTML Attributes**
* Global attributes – apply to all elements
* Element – specific attribute
* Data – attribute
* **Extensible Hypertext Markup Language (XHTML)**
* reformulation of HTML in XML.
* It is used for defining structure of data.
* Data interchanged
* XHTML is HTML written in XML
* Versions
  + XHTML 1.0 (2000)
  + XHTML 1.1(2001) initial
  + XHTML 1.1(W3C, 2010)
  + XHTML 1.2
  + XHTML 2.0
  + XHTML 5.0

Comparison of HTML and XHTML

* In XHTML, Both the names of attributes and elements are mandatory to be in lowercase
* In XHTML, always begin and with and beginning tag and closes it with closing tag
* In XHTML, elements should be properly nested
* In XHTML, minimization of values is not allowed
* In XHTML, the <!DOCTYPE> is mandatory
* In XHTML, the tag html, title, head, and body are mandatory