Midterm Notes

HTML

* Hyper Text Markup Language
* Markup is a way of document to have designated meaning
* Created by Tim Berners-Lee
* The latest version is HTML 5.1
* Language used to create/ design web page
* HTML focused on structure and content while CSS handle the presentation/ aesthetic while JavaScript handles the behavioral aspects
* Some outdated things in HTML
* <br>
* <body background= "red"></body>
* Styles that is used by html
* W3C is responsible for Evolving HTML and one of its founder is Tim Berners-Lee
* Flexible unlike XML

HTML History

* 1989 - HTML 1.0
* 1994 - HTML RFC 1866
* 1995 - W3C was Established
* HTML 3.0 - was immediately superseded
* January 1997 - HTML 3.2
* December 1997 - HTML 4
* 1999 - HTML 4.01
* 2000 - XHTML 1.0
* XHTML 1.1
* XHTML 2.0
* 2014 - HTML 5

XHTML

* Extensible Hypertext Markup Language
* Reformulation of HTML
* Takes HTML and enforces stricter rules on it
* After the development of HTML 4.01, W3C decided to stop evolving HTML and created XHTML instead

XML - Extensible Markup Language

* Structured data/ markup for data
* For data interchange
* Rule are very strict
* Case Sensitive
* Proper Nesting
* Example :
* <student>
* <idno>2150000</idno>
* </student>

HTML 4.01

* Had 3 flavors
* Transitional – with deprecated elements and attributes
* Strict – no deprecated elements and attributes
* FrameSet

HTML 5

* Developed by WHATWG consisting of Ian Hickson, Apple, and Mozilla
* Created when XHTML was not working
* Standardized in 2014

HTML Syntax

* <!DOCTYPE html>
* <html>
* <head>
* <title> </title>
* </head>
* <body>
* <header> </header>
* <footer> </footer>
* </body>
* </html>

<!DOCTYPE html>

* To render webpage using standards
* Rendering a webpage using standards will make the presentation of the webpage consistent throughout different browsers
* When not indicated in the HTML document, the webpage will be rendered using quirks and the presentation might differ from one browser to another

<head>

* contains metadata such as links, information of author, and others

<body>

* contains paragraph and content

Sample elements

* <h1> Sample Element </h1>
* <p> Paragraph </p>

Sample tags

* <h1></h1>
* <p></p>
* <br>
* <header></header>

Void Elements

* empty element that does not have tags
* Some example
* <img>
* <br>

Character element

* reduce ambiguity
* Some example
* &amp
* &lt
* &nbsp