Jan. 16 2020

**History**

* Ethernet technology, developed by Bob Metcalfe at Xerox PARC in 1973
* Domain Name System (DNS) was invented by Paul Mockapetris of USC/ISI
* One of the more interesting challenges was the transition of the ARPANET host protocol from NCP to TCP/IP as of January 1, 1983

**World Wide Web vs Internet**

* World Wide Web is - an information space where documents and other web resources are identified by URLs, interlinked by hypertext links and can be accessed via the Internet
* Internet - is a global system of interconnected computer networks that use the Internet protocol suite (TCP/IP to link several billion devices worldwide

**HTTP** – Hypertext Transfer Protocol

* Hypertext is structed text that uses logical links (hyperlinks) between nodes containing text
* HTTP is the protocol exchange or transfer hypertext
* Based of the website

**FTP** – File Transfer Protocol

* FTP is used to transfer files from a client to a server
* SFTP is a secure encrypted version of FTP

**How does the Internet work?**

HTTP Requests

Get – retrieve data and should have no other effect

Post – request method is designed to request that a web server accept the data

Put – requests that the enclosed entity be stored under an existing resource

Delete – Deletes the specified resource

**TCP/IP**

Basic communication language or protocol of the Internet. It can also be used as a communications protocol in a private network (either an intranet or an extranet). When you are set up with direct access to the Internet, your computer is provided with a copy of the TCP/IP program just as every other computer that you may send messages to or get information from also has a copy TCP/IP

What is a URL

Uniform Resource Locator

http;//www.zevenrodriguez.com/teach/index.html

A B C D E F G

1. Protocol
2. Host Name – in this case WWW stands for World Wide Web
3. Domain Name
4. Top Level Domain
5. Folder
6. File Name
7. File Extension

* **HTML** (HyperText Markup Language) – standard markup language used to created web pages
* **CSS** (Cascade Style Sheets) – is a markup for styling HTML pages 🡪 can affect HTML 🡪 will depend on the device that you want your website projected
* **Javascript** – programming language that was developed to create dynamic websites 🡪 start developing a language in order to develop websites 🡪 can affect both HTML and CSS

**Separation of content and presentation** – separation of content and presentation (or separation of content and style) is a design under which visual and design aspects (presentation and style) are separated from the core material and structure (content) of a document

Class website 🡪 github.com/GuzmanJose/WebLab

LEARN –

<html>

<head?>

Metadata

</head>



<body?

</body>

<footer>

</footer>

</html>

< 🡪 tag 🡪 anything inside tag is what is coded

h1 🡪 header 1

p 🡪 paragraph