**TEMILOLUWA ADELOWO**

**ASSIGNMENT 1**

**Port:** A port is a communication endpoint, that identifies a specific process.

**IP Address:** An Internet Protocol address is a numerical label assigned to each device connected to a computer network that uses the Internet Protocol for communication, and serves two main functions: host or network interface identification and location addressing

**Protocols:** A protocol is a system of rules that allow two or more entities of a communications system to transmit information via any kind of variation of a physical quantity. The protocol defines the rules, syntax, semantics and synchronization of communication and possible error recovery methods.

**Routers:** A router is a networking device that forwards data packets between computer networks. Routers perform the traffic directing functions on the Internet. A router is connected to two or more data lines from different IP networks.

**Switches:** A network switch is a multiport network bridge that uses MAC addresses to forward data at the data link layer

**FireWalls**:

A firewall is a network security system that monitors and controls incoming and outgoing network traffic based on predetermined security rules. A firewall typically establishes a barrier between a trusted network and an untrusted network, such as the Internet.  A Firewall acts as a barrier for the incoming traffic to the system, while an Antivirus protects against the internal attacks like malicious files

**HTML, CSS, AND JAVASCRIPT IN A WEBSITE/WEB-APP**

In a web application/website, the three technologies (HMTL, CSS, JAVASCRIPT), work together, in the following ways:

Html, which stands for HyperText Transfer Protocol, is used to define the structure of the website.

CSS, which stands for Cascading Style Sheets, is used to style the Website, (i.e The aesthetic display of the site.)

JavaScript, is the language which defines the functionality of the Website, both on client side, and server-side. Technologies such as Vue.js, React.js, and Angular.js are used on the Client-side, while technologies such as node.js, and Express.js are used on the server-side of the Website/web-app.