**Day 2 – Web Server (Software)**

**Warm-Up Activity**

Creating a simple Web Page

1. Use the Windows File Explorer tool to open your student id folder on the G drive
2. Right click and select New->Text Document
3. Name the file “mywebpage.txt”
4. Edit and save the file with the following contents

<h1>Hello Everybody</h1>

<p>This is a basic <b>HTML</b> web page</p>

Opening your web page

1. Open your web browser (e.g. Chrome)
2. Type “file://G:/” for the URL. What do you see?
3. Click on your “mywebpage.txt” to open it. What do you see?
4. Use File Explorer to rename your file to “mywebpage.html”
5. Refresh the “file://G:/” URL
6. Click on your “mywebpage.html” to open it. What do you see?

**Presentation Notes: Web Server Software**

1. What is a HTML and what does it stand for?  
   (Hyper-Text Markup Language)

1. What does a basic web page contain?  
   Contains ***static*** content (i.e. text content that does not change when the page is reloaded.)

The page can contain advanced graphics in addition to text.

1. How does a dynamic web page differ from a basic web page?  
   (The static web pages display the same content each time when someone visits it, whereas in dynamic web pages the page content changes according to the user.)
2. What is a Web Server?  
   (On the software side, a web server includes several parts that control how web users access hosted files, at minimum an HTTP server. On the hardware side, a web server is a computer that stores web server software and a website's component files (e.g. HTML documents, images, CSS stylesheets, and JavaScript files).
3. What are some functions of a Web Server?  
   (To respond to HTTP or HTTPS internet requests from user clients (i.e. web browsers)

1. What are some common types of Web Servers?  
   (To verify account information and user access.)
2. What is a HTTP and what does it stand for?  
   (HyperText Transfer Protocol)
3. What is the difference between HTTPS and HTTP?  
   (The main difference between HTTP and HTTPS is of SSL certidicate. Site that loads on HTTPS use SSL certificate to send and receive the information in encrypted state. While on HTTP, the data is sent in text format, which is easy to read by anyone.)
4. What are some other common URL protocols?

( ftp , mailto , file , data , and irc .)