**::C++ 25 Fall 2016:: Assignment 2 Internet GUI and Hello World**

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**What is File-** Stores information long-term

**What is a Folder/ Directory-** Storage space typically on a long term storage device

What 2 things can be placed in a folder? Files and other folders

**File Pathway-** the full address of something stored on a drive. The directories in which a file is stored.

List the 4 characteristics all Files must have:

1. Name

2. Type/Extension

3. Date Created/ Modified

4. Size  
  
Location

What is a file extension? Describes the type. The suffix of a file name which indicates the programs that can open it.

**.docx Is a Microsoft Word File or Document (version 2007 and later)**

**.txt** plain text file.

**.mp4** short for MPEG-4. Stores media such as audio and video.

**.wmv** short for Windows Media Video. A codec used by Microsoft to compress video

**.mov** used by Quicktime as a multimedia format

**.html** short for hypertext markup language. Used to create web pages.

**.exe** executable file in Windows

What is the difference between an executable file and a data file?Executables can modify the computer on which they’re installed.

Why are executables dangerous for your computer? Malicious software can make your computer unusable

**Network-** A collection of connected computers.

|  |
| --- |
| **LAN-** Local Area Network - Computers connected over a small geographic location e.g. Computer Lab |
| **WAN-** Wide Area Network - Computers connected over larger geographic locations |
| **Internet-** A collection of connected computer networks. The largest WAN currently. Interconnected servers, databases, routers, mobile device, your home computer, your school computer, your NEST, etc….. |

**CLOUD? == Server == Computer == Long Term Storage**

**Data Centers**

**After doing research on files, web browsers, and the internet... Can you write a brief description on what the world wide web is and how it works. (In general, a paragraph will do.)**

Computers connected together form a network. A network of computers can share access to a central computer which stores files. The World Wide Web provides a way to connect networks of computers to give access to other networks that may not be physically connected.

**GUI-** Graphical User Interface

Pictures … Interaction, Control, Programs  
/ computer

**What is the purpose of the GUI? (Short concise answers are welcome)**

It gives the users a way to input information and understand what the computer is doing behind the scenes. It is a more user friendly interaction than the terminal. It is not as error prone and it makes the computer more accessible for people with less technical knowledge.

**How did computer users navigate the computer before the GUI?** Command Line, Terminal

Commands and written instructions

Must know Structure of Directory or File System

**LAB ASSIGNMENT**

Introduction to Visual Studio + Command Line Navigation + Executing Online Instructions

<https://msdn.microsoft.com/en-us/library/ms235639.aspx>

Please execute step by step instructions detailed in the online link provided.

* Attach a snipping photo of your notepad source file below.
* Attach snipping photo of the command prompt terminal window and commands entered below.



