My Environment Set Up

I will be going over my environment for writing simple (vanilla) JavaScript, HTML, and css (No frameworks).

Generally, as far as all-purpose code editing, I suggest you use ( <https://code.visualstudio.com/> )

A screenshot of a computer

Description automatically generated

Next, I want to go over some information about extensions. Emet is a tool that comes pre-installed when you finish setting up Visual Studio. If you are using an alternative like sublime text, you must install Emet.

Now in visual studio create a directory(PROJECT\_STARTER) in visual studio create the following files:

A screenshot of a computer program

Description automatically generated

Other Tools I use

Note: A lot of the tools mentioned are from videos, so I will link the source for your viewing leisure; I will include the most pertinent for ITSE-1301. For the full List: (<https://www.youtube.com/watch?v=0EtgwIajVqs>).

**Chocolately – (** [**https://community.chocolatey.org/**](https://community.chocolatey.org/) **)**

A package manager for the quick installation of common apps, code dependencies, drivers, and more. It is command based (don’t be scared you can use a GUI to create a sequence of apps to install all at once).

**// INSTRUCTORS NOTE: PLEASE FOR THE LOVE OF GOD ASK IT ABOUT THIS BEFORE YOU STUDENTS GET IN TROUBLE!!**

**Simple HTTP Server – (** [**https://github.com/TheWaWaR/simple-http-server**](https://github.com/TheWaWaR/simple-http-server) **)**

If you and your web developer buddy are on the same network and are looking to exchange files without the use of a database service, or a flash drive, I recommend using this HTTP server. Simply place the server into the file you wish to associate with a url, and now anyone that goes to it has access to the folder. Simple as. Please remember to turn this off once you’re done.

**(Windows only) Wintoys-(** [**https://apps.microsoft.com/store/detail/wintoys/9P8LTPGCBZXD**](https://apps.microsoft.com/store/detail/wintoys/9P8LTPGCBZXD) **)**

This is a utility that gathers services, utility, settings, and service management tools in Windows all in one place.

**Ventoy- (** [**https://www.ventoy.net/en/index.html**](https://www.ventoy.net/en/index.html) **)**

While you are writing code for this course, I expect at least one student to experience some sort of catastrophic computer error that causes their entire system to need a fresh operating system installation. I could be you! I recommend first having back a of your systems, and having a bootable thumb drive handy for reinstalling your OS of choice. Ventoy is a tool for creating bootable media for flash drives that supports multiple operating systems. You simply install and then drag and drop your iso image.

**NetBoot- (** [**https://netboot.xyz/**](https://netboot.xyz/) **)**

And if you are looking for an iso image to boot from, I recommend using netboot (PXE). It is a 2.3kb file that allows you to boot from over 80 operating system installers, liver operating systems, and utility images over the network (including Windows with a bit of work/ using a Windows PE environment).

**Medicat USB – (**[**https://medicatusb.com/**](https://medicatusb.com/) **)**

If this list seems long I recommend using medicat: this tool gathers all of the tools, and bootable media, including a Windows PE environment in a beefy 20 GB package (it needs a 32 GB thumb drive). I’m sticking my neck out for this one because this package includes some pirated material and tools that have been deemed as “hacking tools” so please don’t get into any trouble, but you won't tell on you if you don’t.