This is a list of what needs to be installed. Have a ticket created.

For the ticket, remove text above “required software” and attach to the ticket with Karen Payne as a resource if the service desk has any questiones.

# Required software

* Three versions of the .NET Framework, .NET 5, .NET 3.1, .NET 4.8 from [this site](https://dotnet.microsoft.com/download).
* GitHub Desktop <https://desktop.github.com/>
* For each student, Microsoft Visual Studio Community edition (free). See “Visual Studio Installation” which list what components need to be installed by the service desk as the standard install is insufficient.
* After VS2019 is install
  + Some may need this, service desk needs to see if it’s installed [GitHub Extension](https://marketplace.visualstudio.com/items?itemName=GitHub.GitHubExtensionforVisualStudio) for Visual Studio which installs inside of Visual Studio and is free. They can consult with me.
  + [Markdown editor](https://marketplace.visualstudio.com/items?itemName=MadsKristensen.MarkdownEditor) which installs inside of Visual Studio and is free.
* Microsoft Visual Studio code [download](https://code.visualstudio.com/download).
  + [C# extension](https://marketplace.visualstudio.com/items?itemName=ms-dotnettools.csharp) for Visual Studio code free by Microsoft.
* SSMS (SQL-Server Management Studio), version 18 (I believe the engineers have this on the network) and is free

# Visual Studio installation

The following was taken from Visual Studio 2017 installation so the screen may be slightly different in VS2019.

Both VS2017 and VS2019 use the same installer.

There should be a screen which has



Click on Individual components.

The following pages/screenshots (Visual Studio installer) show which components should be installed. If they are not found it’s most likely because they were taken from a higher edition. Any questions let me know.











