SimplePong Source Code Download, Build, and Running Instructions

Requirements:

1. Download Visual Studio Community 2017 or 2019
   1. Need to install the C++ toolset
   2. Then get the Qt VS Tools extension, which can be downloaded at <https://marketplace.visualstudio.com/items?itemName=TheQtCompany.QtVisualStudioTools-19123>.
2. Download QT at <https://www.qt.io/download>
   1. During the installation process it is essential to select the msvc2017 or msvc2019 toolset to match the version of visual studio you have installed.

Procedure:

1. Download Source Code
   1. All the source code for this project is located in a github repo at https://github.com/deschafer/SimplePong. Go to the internet address, and click the green button that says "Clone or Download," and then select "Download Zip."
   2. Then using your .zip extracting software tool of choice, such as 7-zip, extract the .zip to the desired location.
2. Zip File Contents
   1. The Zip file will contain all the source code for the project. This project is in the form of a visual studio project. The rest of the source files are located within the file SimplePong.
   2. The release executable for windows is located under the file name Win32\Release\SimplePong.exe.
3. Opening the Project
   1. Once you have installed VS 2017 or VS 2019, and have a QT toolset (like MSVC2017) downloaded from the QT website, the QT VS tools extension downloaded and installed, and the zip file extracted, then you will be able to open the project in Visual studio.
   2. To do this, first find the file where you extracted the zip to. Then open the file SimplePong and inside will be all the source files for the project. From here, open visual studio. Then under the file tab select open project. From here, navigate to where all the source code files are located. Visual studio should then automatically be able to open the .sln project file.
   3. Now the project itself is open in Visual studio and you can view any of the source code files as you want and build the application.
4. Building the Application
   1. To build, first we need to set up the QT tools extension. So, under the drop down menu called “Qt VS Tools” select “Qt Options”. Here you will add a version of QT by pressing add and navigating to its location where it was installed. This version of QT added should look like msvc2017 and is located at Qt\5.13.0\msvc2017 for the version that was used with this particular application.
   2. With this configured, the application can be built by pressing clt+shift+b.
5. Running the App.
   1. After you have built the program, you can then press ctl+f5 to run the application.