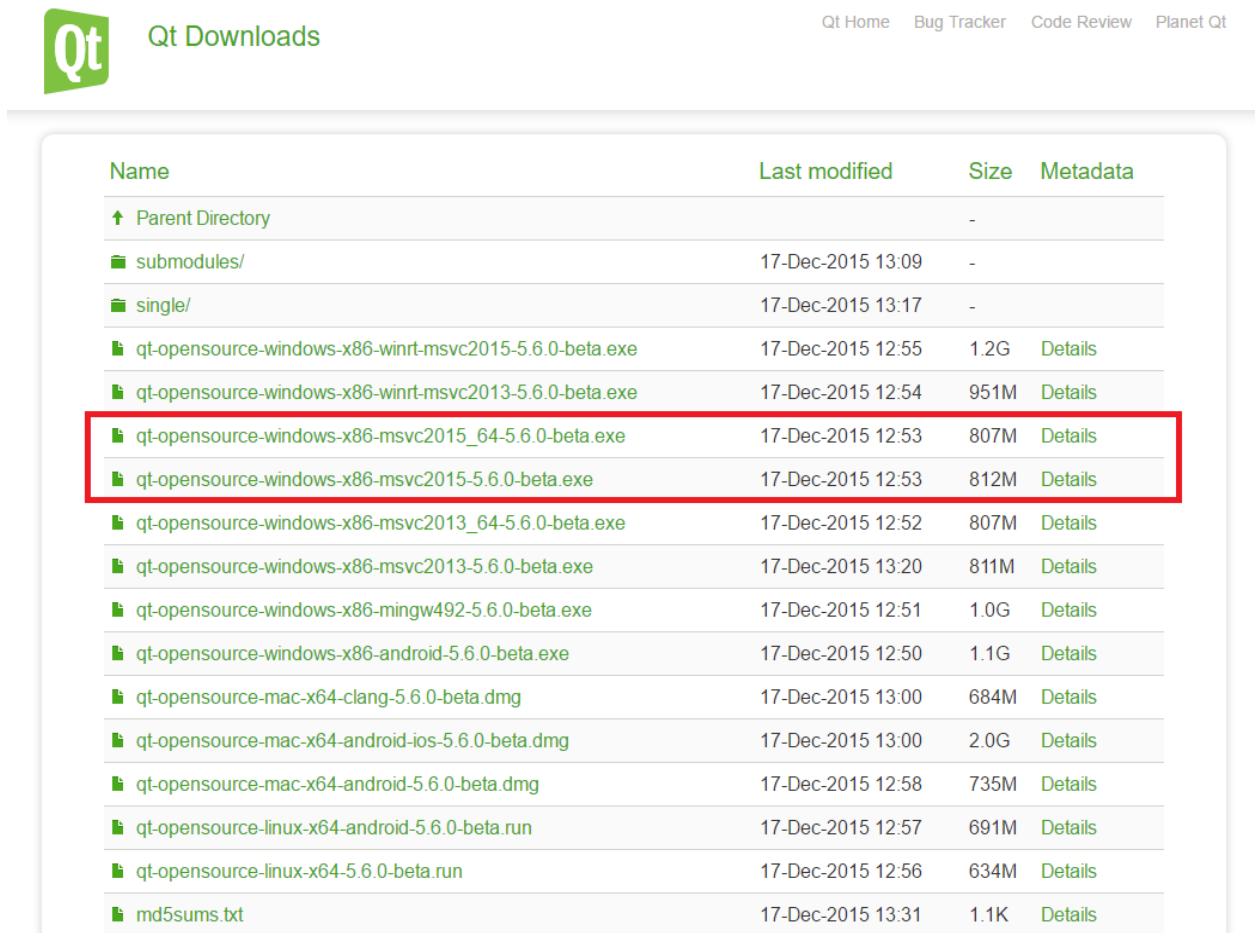


## SETTING UP QT WITH VISUAL STUDIO (VS) 2015

1. Go to: [https://download.qt.io/development\\_releases/qt/5.6/5.6.0-beta/](https://download.qt.io/development_releases/qt/5.6/5.6.0-beta/).
2. Download one of the following two: *qt-opensource-windows-x86-msvc2015\_64-5.6.0-beta.exe* or *qt-opensource-windows-x86-msvc2015-5.6.0-beta.exe*. Take “*qt-opensource-windows-x86-msvc2015\_64-5.6.0-beta.exe*” if you have a 64-bit Windows operating system, or the other one, if you have a 32-bit Windows operating system.

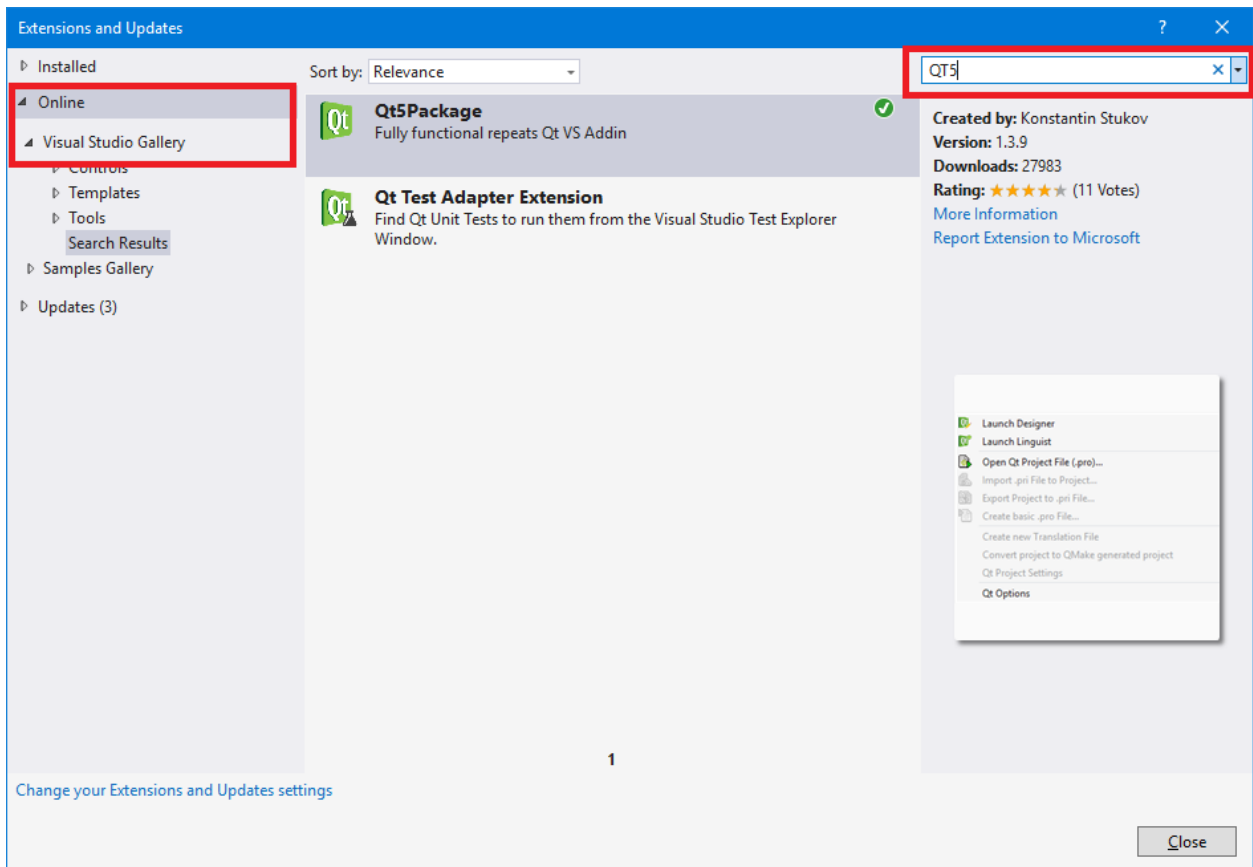


The screenshot shows the Qt Downloads page. At the top left is the Qt logo and the text "Qt Downloads". At the top right are links for "Qt Home", "Bug Tracker", "Code Review", and "Planet Qt". Below this is a table with the following columns: "Name", "Last modified", "Size", and "Metadata". The table lists various Qt download files. The file "qt-opensource-windows-x86-msvc2015\_64-5.6.0-beta.exe" is highlighted with a red box. Below this table is a list of links for "qt-opensource-windows-x86-mingw492-5.6.0-beta.exe", "qt-opensource-windows-x86-android-5.6.0-beta.exe", "qt-opensource-mac-x64-clang-5.6.0-beta.dmg", "qt-opensource-mac-x64-android-ios-5.6.0-beta.dmg", "qt-opensource-mac-x64-android-5.6.0-beta.dmg", "qt-opensource-linux-x64-android-5.6.0-beta.run", "qt-opensource-linux-x64-5.6.0-beta.run", and "md5sums.txt".

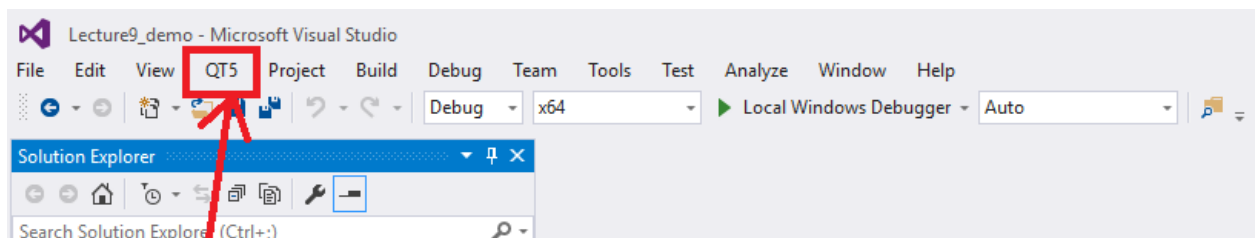
Name	Last modified	Size	Metadata
↑ Parent Directory		-	
submodules/	17-Dec-2015 13:09	-	
single/	17-Dec-2015 13:17	-	
qt-opensource-windows-x86-winnt-msvc2015-5.6.0-beta.exe	17-Dec-2015 12:55	1.2G	<a href="#">Details</a>
qt-opensource-windows-x86-winnt-msvc2013-5.6.0-beta.exe	17-Dec-2015 12:54	951M	<a href="#">Details</a>
qt-opensource-windows-x86-msvc2015_64-5.6.0-beta.exe	17-Dec-2015 12:53	807M	<a href="#">Details</a>
qt-opensource-windows-x86-msvc2015-5.6.0-beta.exe	17-Dec-2015 12:53	812M	<a href="#">Details</a>
qt-opensource-windows-x86-msvc2013_64-5.6.0-beta.exe	17-Dec-2015 12:52	807M	<a href="#">Details</a>
qt-opensource-windows-x86-msvc2013-5.6.0-beta.exe	17-Dec-2015 13:20	811M	<a href="#">Details</a>
qt-opensource-windows-x86-mingw492-5.6.0-beta.exe	17-Dec-2015 12:51	1.0G	<a href="#">Details</a>
qt-opensource-windows-x86-android-5.6.0-beta.exe	17-Dec-2015 12:50	1.1G	<a href="#">Details</a>
qt-opensource-mac-x64-clang-5.6.0-beta.dmg	17-Dec-2015 13:00	684M	<a href="#">Details</a>
qt-opensource-mac-x64-android-ios-5.6.0-beta.dmg	17-Dec-2015 13:00	2.0G	<a href="#">Details</a>
qt-opensource-mac-x64-android-5.6.0-beta.dmg	17-Dec-2015 12:58	735M	<a href="#">Details</a>
qt-opensource-linux-x64-android-5.6.0-beta.run	17-Dec-2015 12:57	691M	<a href="#">Details</a>
qt-opensource-linux-x64-5.6.0-beta.run	17-Dec-2015 12:56	634M	<a href="#">Details</a>
md5sums.txt	17-Dec-2015 13:31	1.1K	<a href="#">Details</a>

3. Install the downloaded file (go with the default settings, there is no need to change anything). When asked for a username, you have the option to skip that step.
4. Open Visual Studio.
5. In the menu, go at “Tools” -> “Extensions and Updates”.

6. In the Extensions and Updates window, on the left-hand side column, extend “Online”, then “Visual Studio Gallery”.
7. In the right-hand side column, in the search window at the top, write “QT5”.



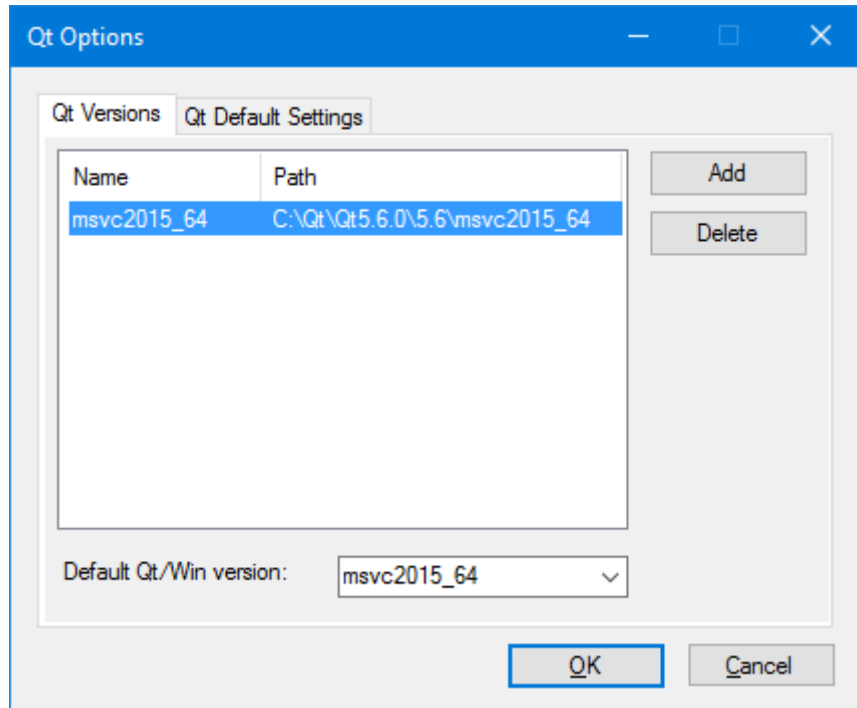
8. The “Qt5Package” should be found and you will see a green “Download button” (in the photo, the button is not there, as I have already installed it 😊). Press the button to download the add-in.
9. After the download finishes, you should have a new item in the VS menu, called “QT5”.



10. Go to “QT5” -> “Qt Options” and in the window press “Add”. Fill the new window with the following information:

- Version name: **msvc2015\_64** (or, without 64, if needed)
- Path: the path towards the msvc2015\_64 folder on your system. In my case, this path is: **c:\Qt\Qt5.6.0\5.6\msvc2015\_64**.

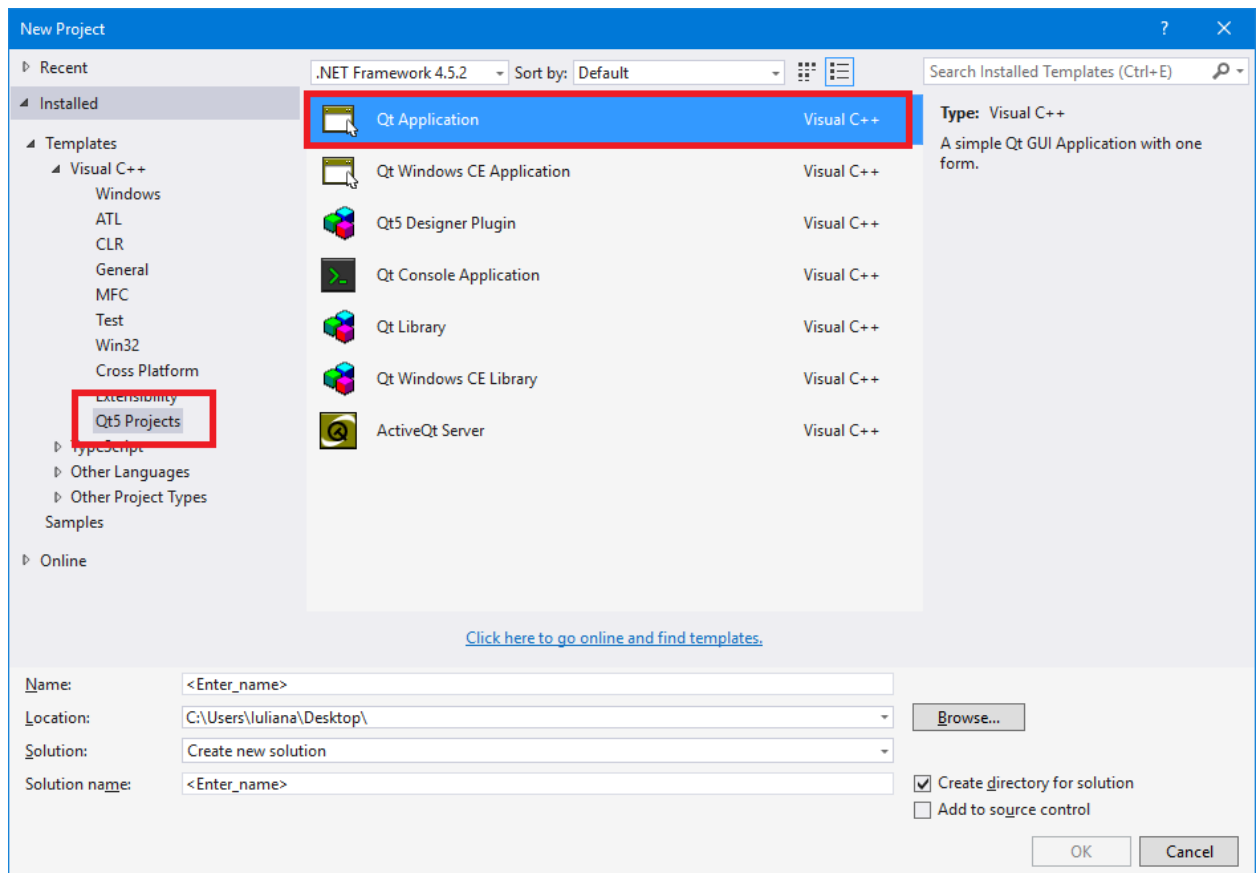
Your Qt Options window should now look similar to this:



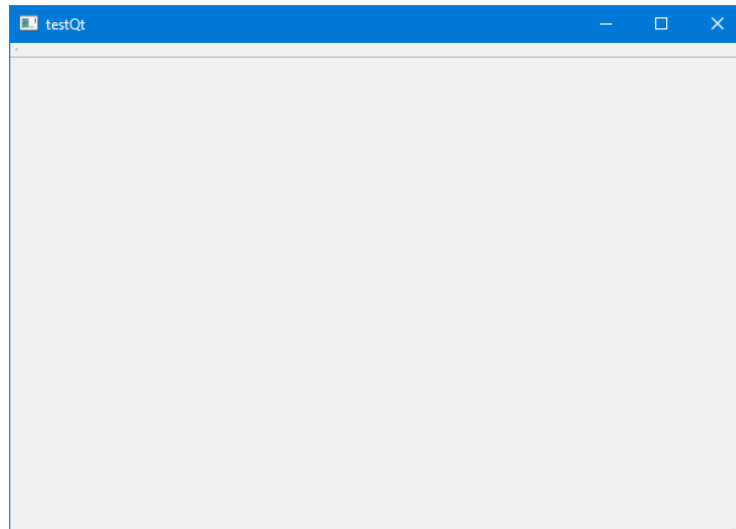
11. Done! Restart Visual Studio. Now, let's see how we can create a new Qt project.

## **CREATING A NEW QT PROJECT WITH VISUAL STUDIO 2015**

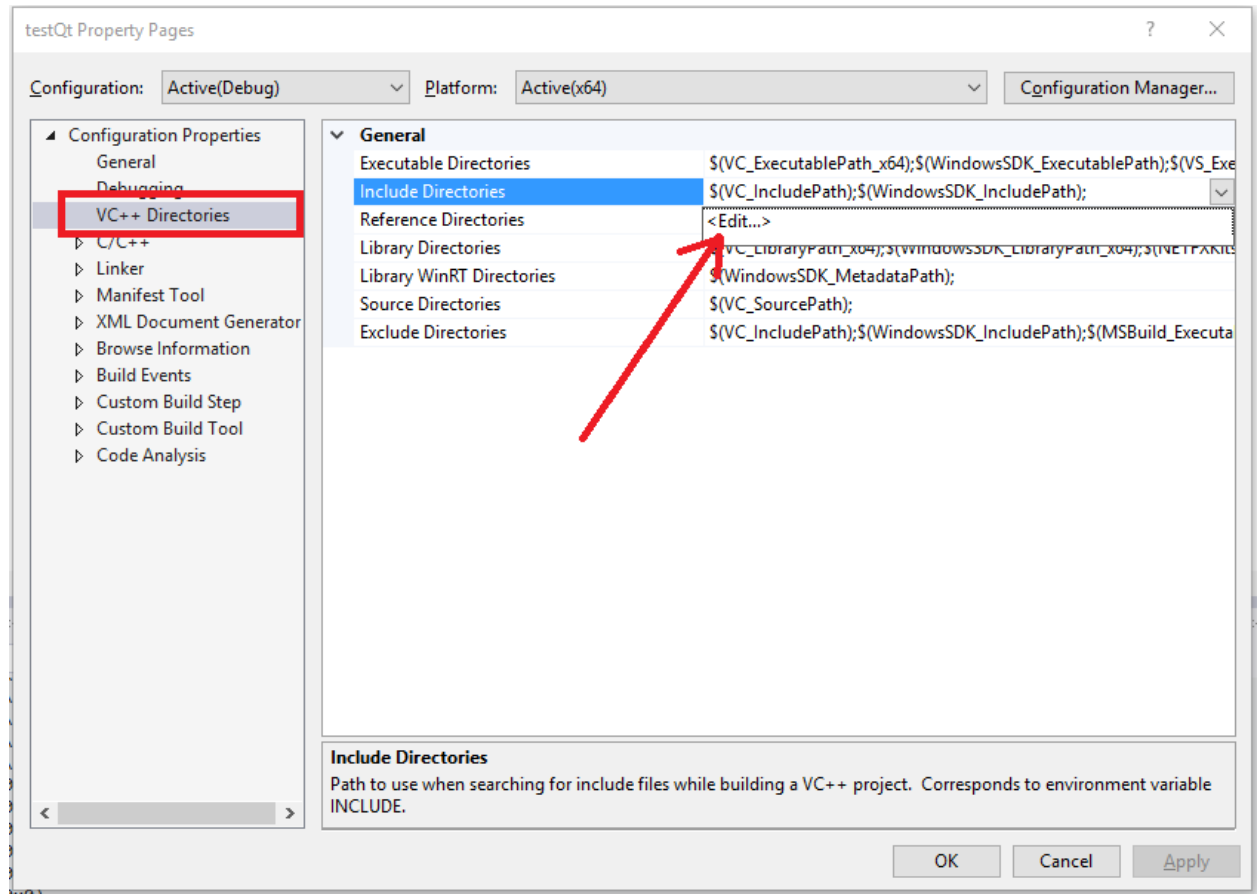
1. From the VS menu, select "File" -> "New" -> "Project".
2. In the left-hand column of the "New Project" window, extend "Templates" -> "Visual C++" and select "Qt5 Projects". In the middle column, select "Qt Application". Add a name and a location and then press "OK".



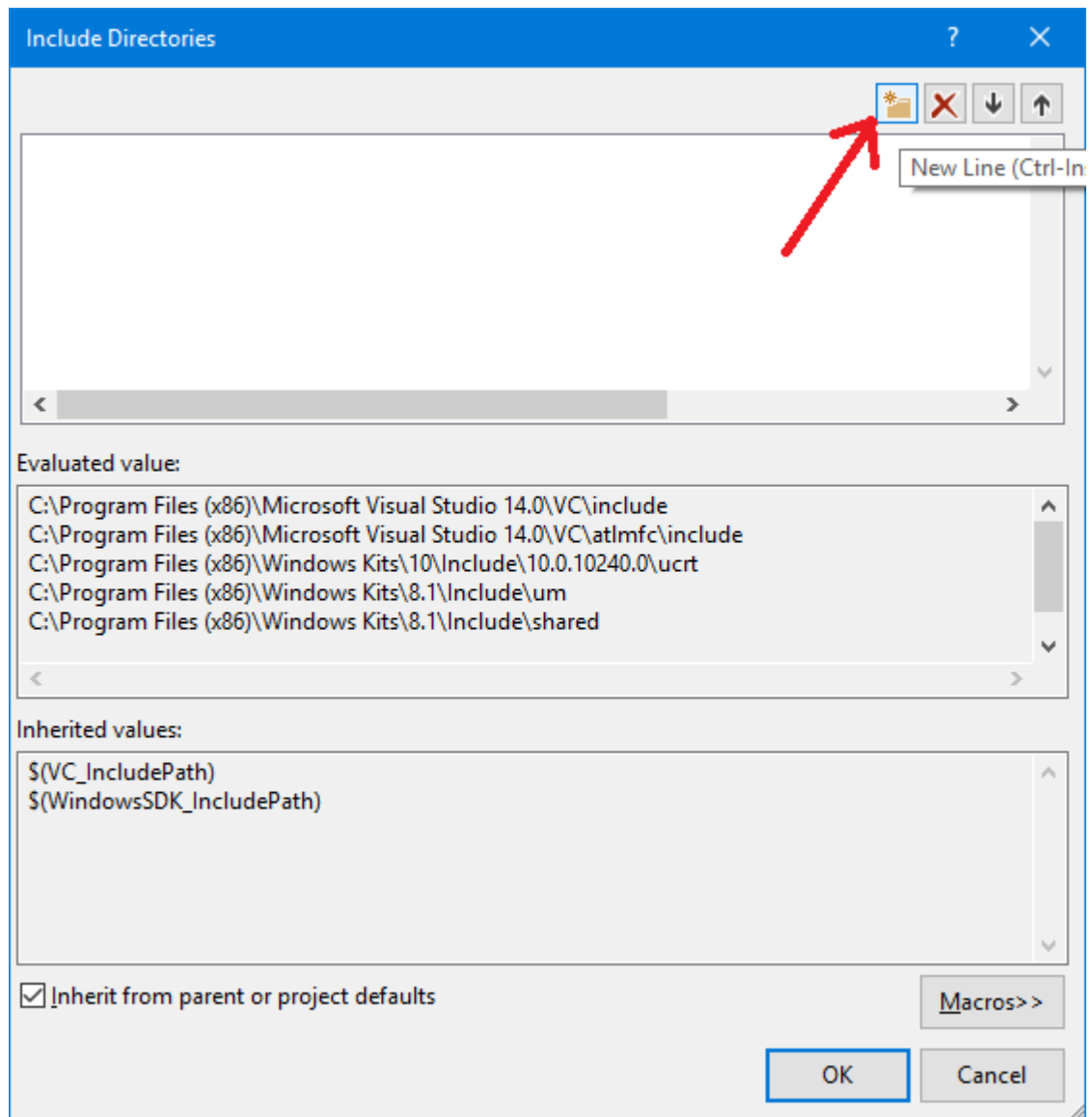
3. In the following dialogs, keep the default settings (Next -> Next -> Finish).
4. In the "Source Files", a file "main.cpp" should already be created.
5. Ignore the red underlines. Run the application. You should see an empty window:



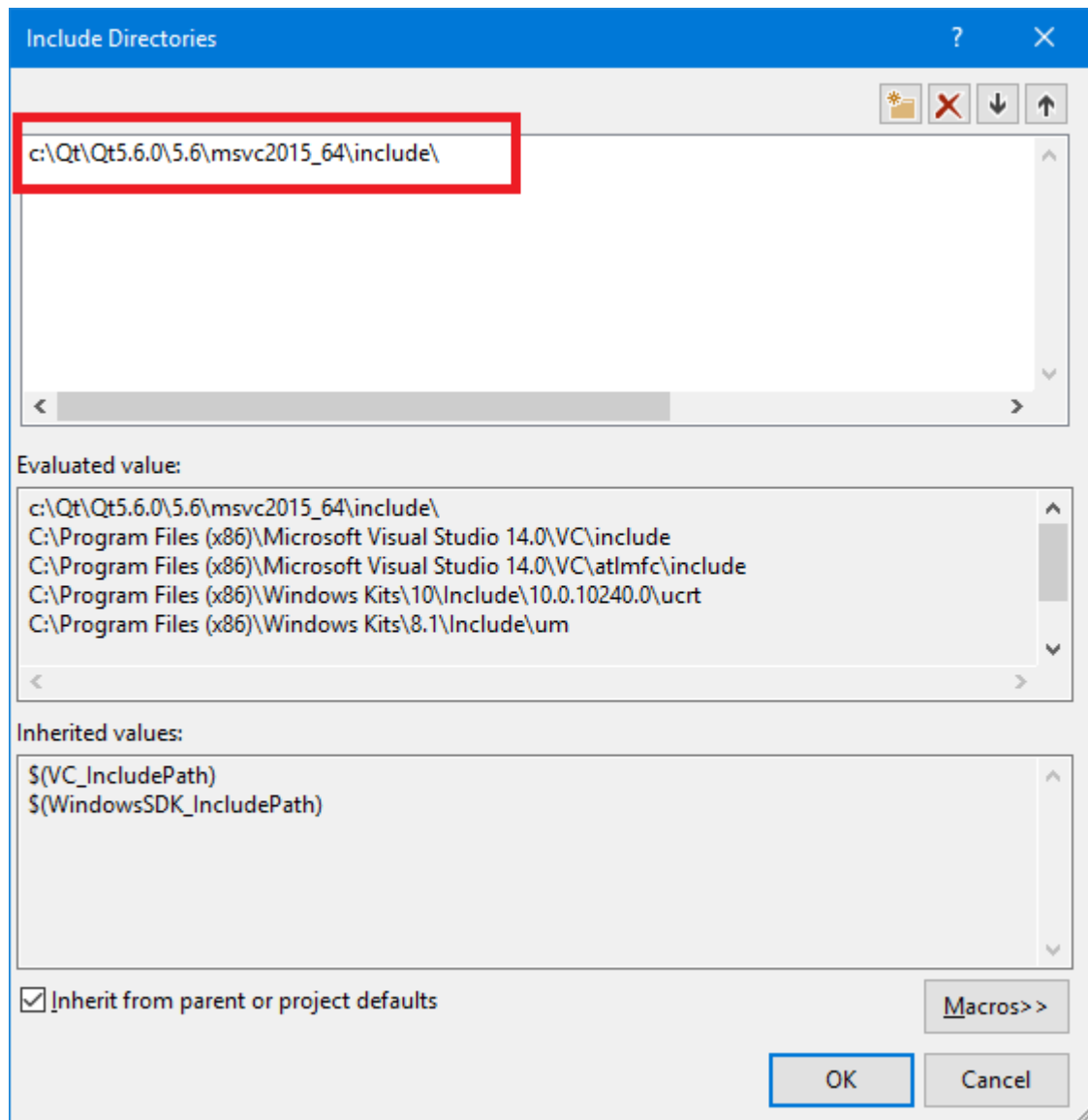
6. The red underlines are not actually compilation errors, they look like that because a VS Intellisense does not detect Qt variables. To fix this, do the following steps.
7. Right-click on the project (in Solution Explorer) -> select "Properties".
8. In the "Property Pages" window, go to "VC++ Directories". Edit the "Include Directories".



9. Go to the "New line" button.



10. Add the path towards the "include" folder in Qt. In my case, this path is:  
**c:\Qt\Qt5.6.0\5.6\msvc2015\_64\include.**



11. The fake “compilation errors” should now disappear. If this does not happen immediately, then restart Visual Studio.
12. Now you are ready to build wonderful GUIs! ☺