**Getting started with Qt**

**Using Qt’s editor and compiler:**

1. Download Qt (LGPL license) from <http://qt.nokia.com/downloads>.
2. Install Qt.
3. Run “Qt Creator”
   1. Select “Open file or project” from File menu.
   2. Select the file “ImgFilter.pro”
   3. Click on the “Sources” folder. You should see a file called Project1.cpp. This is the only file you should need to edit.
   4. To compile click on the green play button at the bottom left of window.
   5. You can select between debug and release builds above the green play button.

**Using Visual Studio’s editor and compiler:**

1. Download Qt (LGPL license) from <http://qt.nokia.com/downloads/windows-cpp-vs2008> .
2. Install Qt.
3. Run “Visual Studio” (2008 or 2010)
   1. Select “Open Project/Solution” from File menu.
   2. Select the file “ImgFilter.vcproj”
   3. Right click on the ImgFilter project and select “Properties”
   4. Select “Configuration Properties -> C/C++ -> General
   5. Update the directories under “Additional Include Directories” with “Qt” in the name according to where you installed Qt.
   6. In the same window select “Configuration Properties -> Linker”.
   7. Update the directory in “Additional Library Directories” according to where you installed Qt.
   8. Compile.
   9. Run.
   10. If it complains about not finding Qt’s dlls when running, you should update your system’s “path” variable to include Qt’s “bin” directory. To update the “path” variable, type “environment” into the window search box and select “Edit the system’s environment variables”. Press the “Environment Variable…” button and find “path” in the second list box.
   11. Qt also has a VS add-in that is nice for editing UIs. This isn’t necessary for the assignment, but you can find it at <http://qt.nokia.com/downloads> .
   12. You shouldn’t have to do this – but just in case. If you’d like to convert a Qt project to a Visual Studio project use the following command “qmake -tp vc test.pro”. This will create a file test.vcproj.