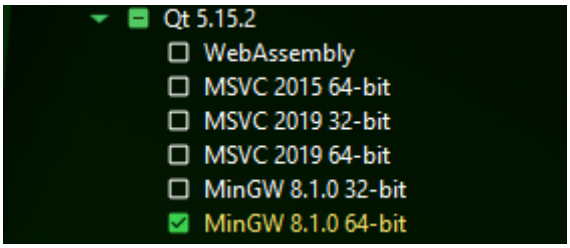
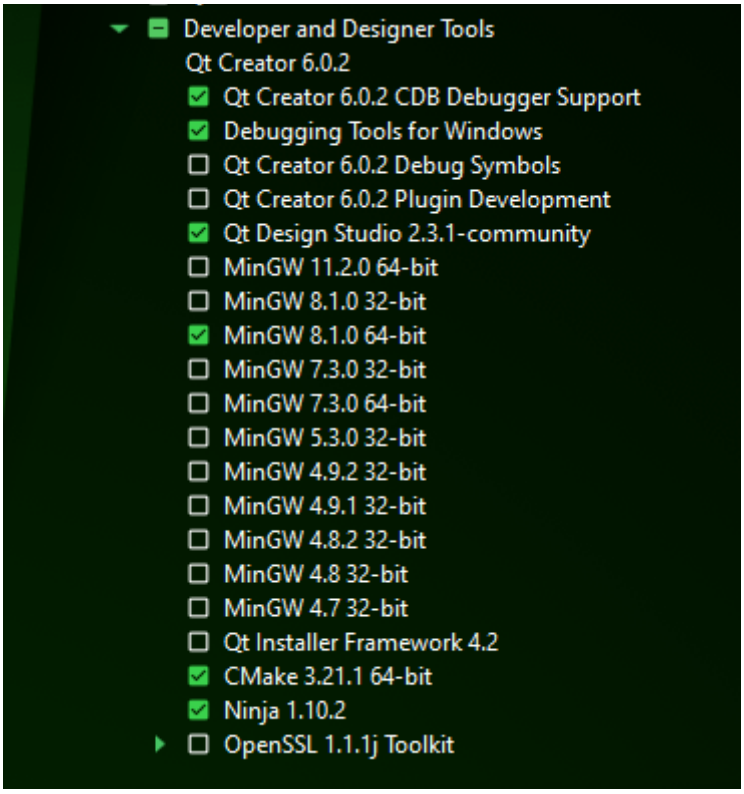
Qt Installation

Go to **https://www.qt.io/download-open-source** and click the "Download the Qt Online Installer" button at the **bottom of the page.** This should take you to a download page.

Open the installer and **register an account with qt.** Once logged in, **select the "I have read…" and "I am an individual…" tick boxs.** Leave the install directory as **C:\Qt** and select the **Custom installation**. Open the dropdown menu for the **highest version of Qt 5** and select the highest version of **MinGW 64-bit**



Scroll down and open the drop down for **Developer and Designer Tools**, and select the same version of MinGW 64-bit as the previous step.



Keep clicking next until you get to the install button, at which point your download will start.

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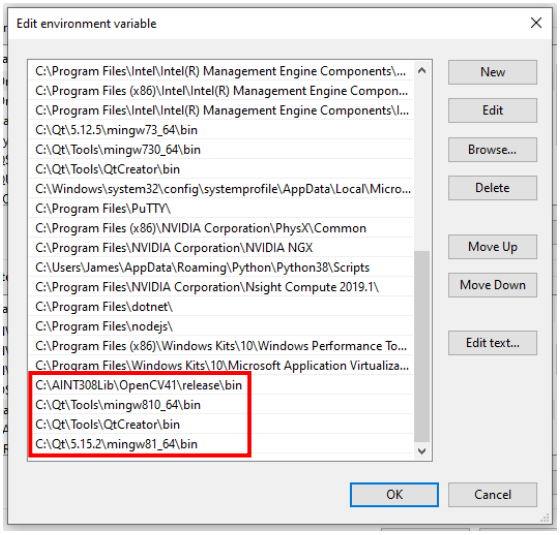
OpenCV and Dlib Installation

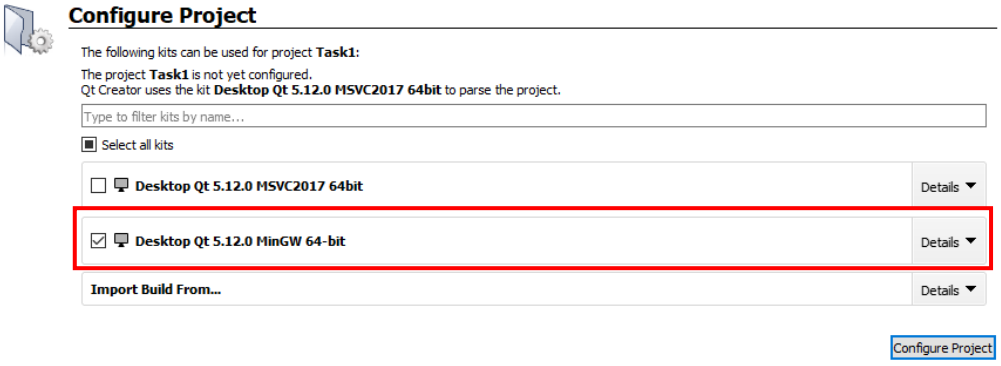
Make sure to follow these steps exactly. Download the AINT308Lib.zip from the DLE or Teams**. Extract the zip folder into the C:/ drive**, so that it contains the folder "C:/AINT308Lib". Make sure this folder **does not contain a folder of the same name**, so that these paths exist:

- C:/AINT308Lib/dlib19_19
- C:/AINT308Lib/OpenCV41

Now locate your environment path variables. To do so, navigate to **"ThisPC"** and right click on the white space in the window. **Click properties** to open the system menu (This can also be found by holding the windows key + Pause Break). On the left **click Advanced System Settings**, then at the bottom **click Environment Variables**. Under System Variables, there is a variable called **Path**. Double click this to edit. Here you need to add four new paths **(Your paths may be different depending on the version of Qt and mingw, so make sure to check these folders exist before copying them over):**



To test everything is installed, try opening the first task's qt file "Task1.pro". **Qt may ask which compiler to use, in which case choose minGW.** In the bottom left of the screen switch the mode from "debug" to "release", then click the green arrow to build and run the code. If successful, an image of a car will be displayed.



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