

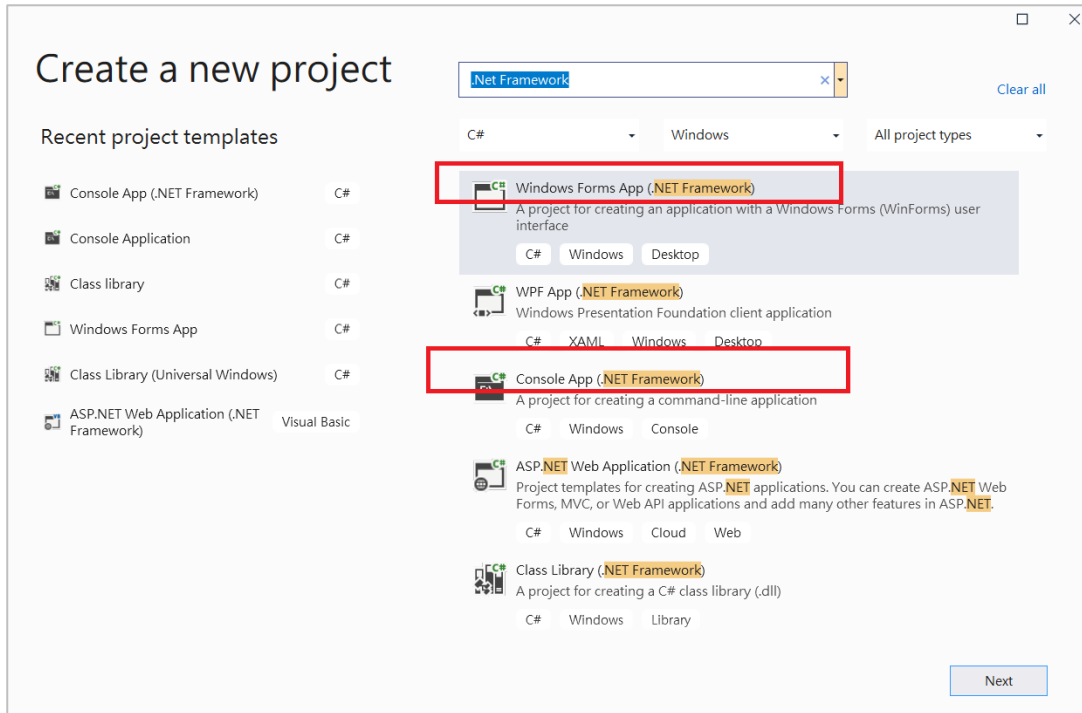
CUSBC User's Programming Guide

Version: 1.0

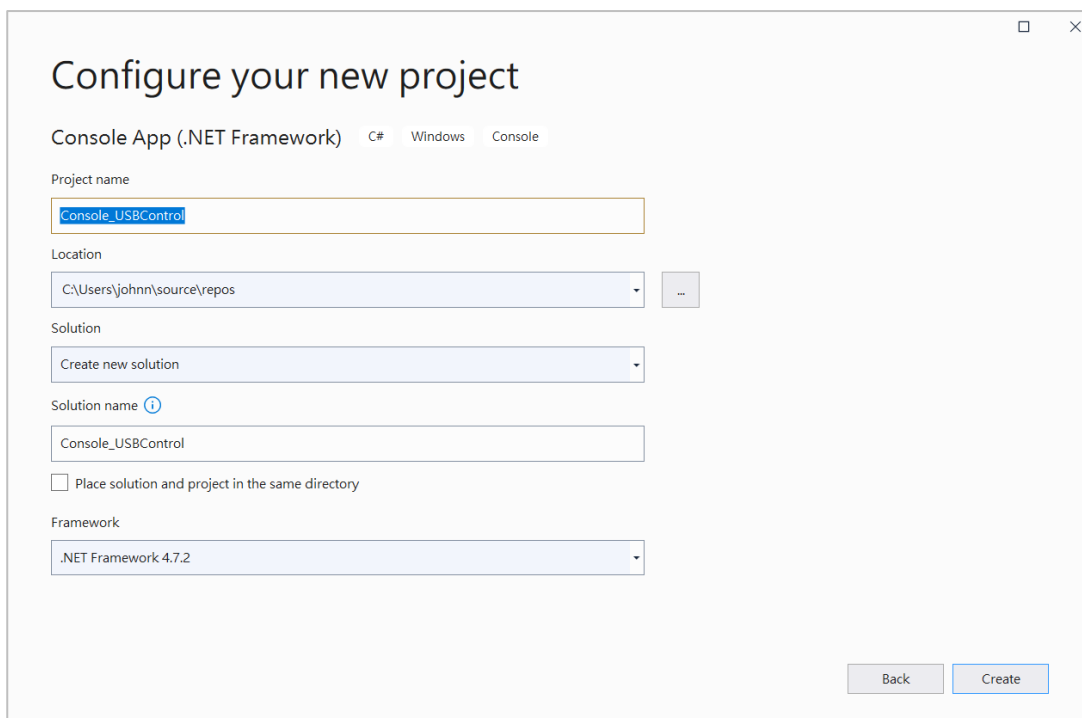
1. C# .NET Environment Setting

This section takes Microsoft Visual Studio 2019 as an example to set the environment.

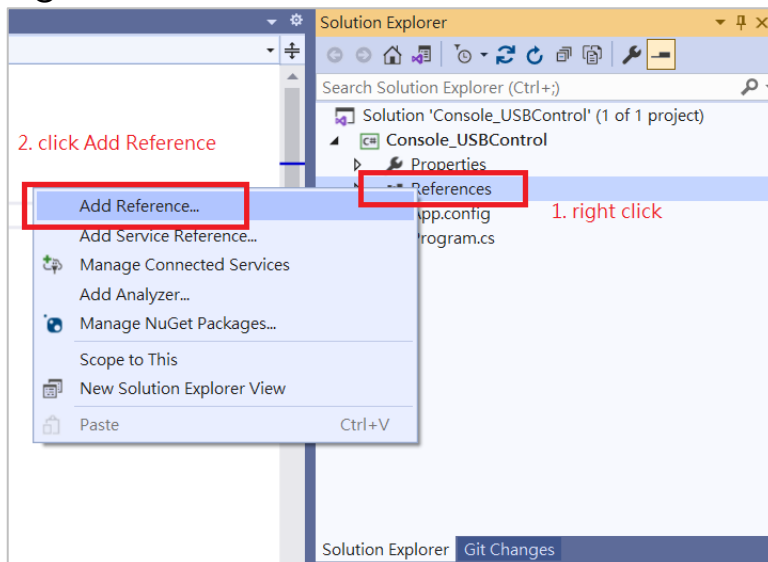
1.1. Create a **New Project** -> Select **Windows Forms App (.NET Framework)** or **Console App (.NET Framework)** according to your needs.



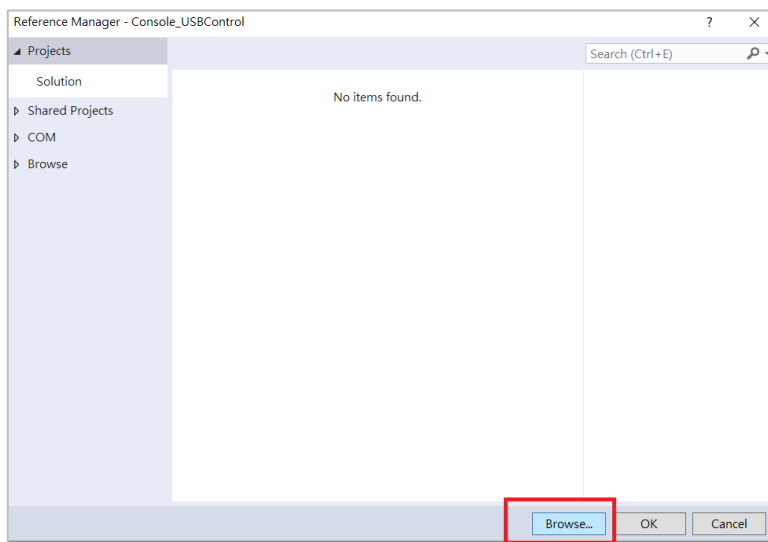
1.2. Click **Create** to create your project.



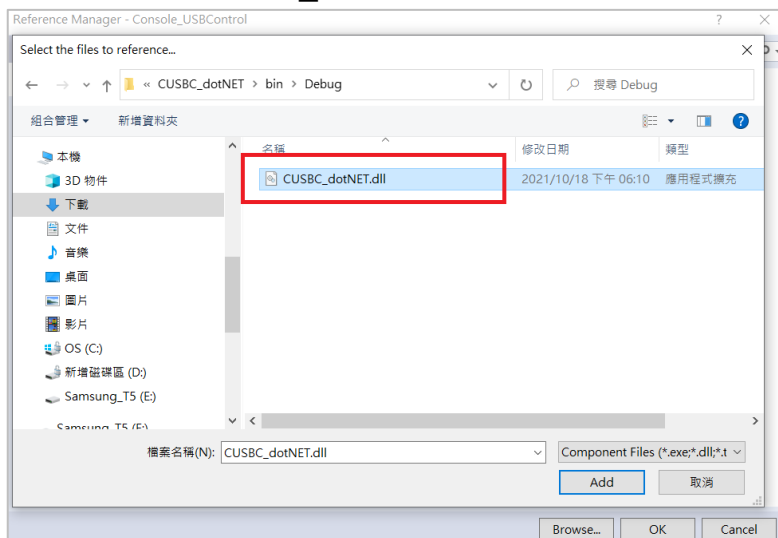
1.3. Right Click **References** -> Select **Add References**.



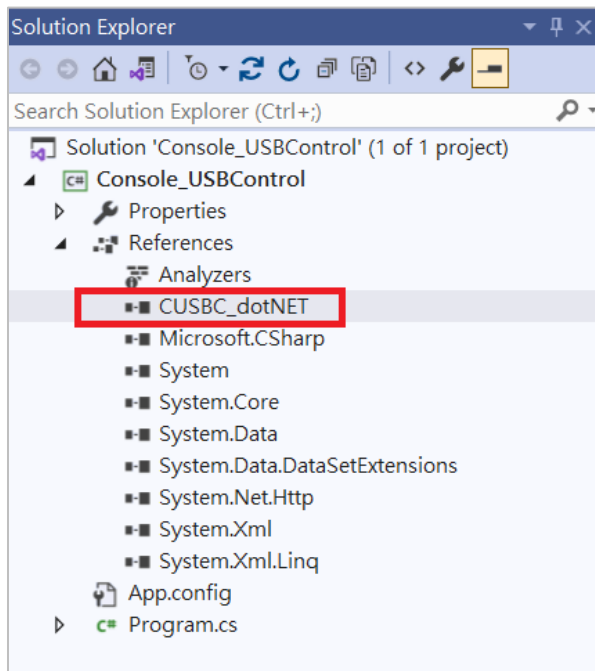
1.4. Click **Browse**.



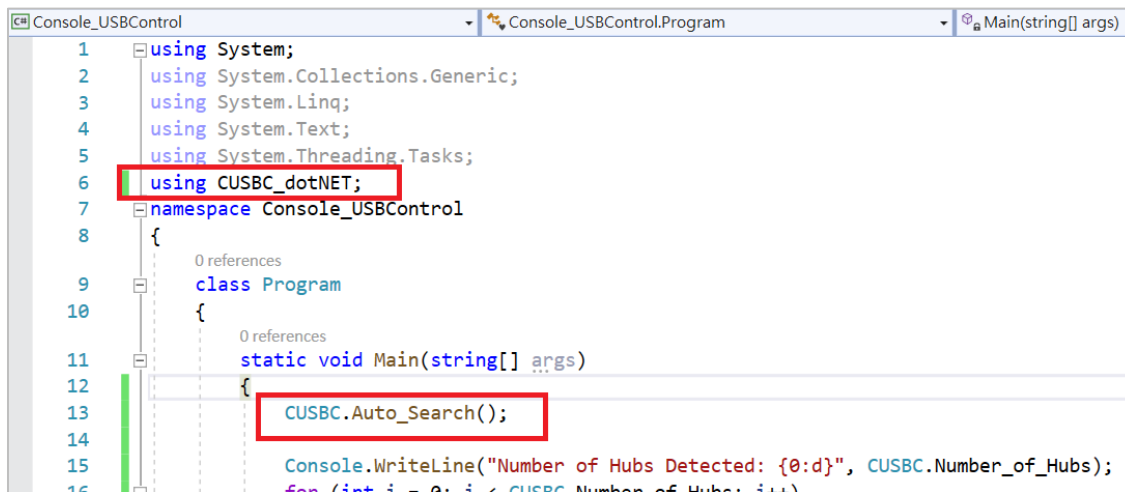
1.5. Find the "**CUSBC_dotNET.dll**" and Click **Add**.



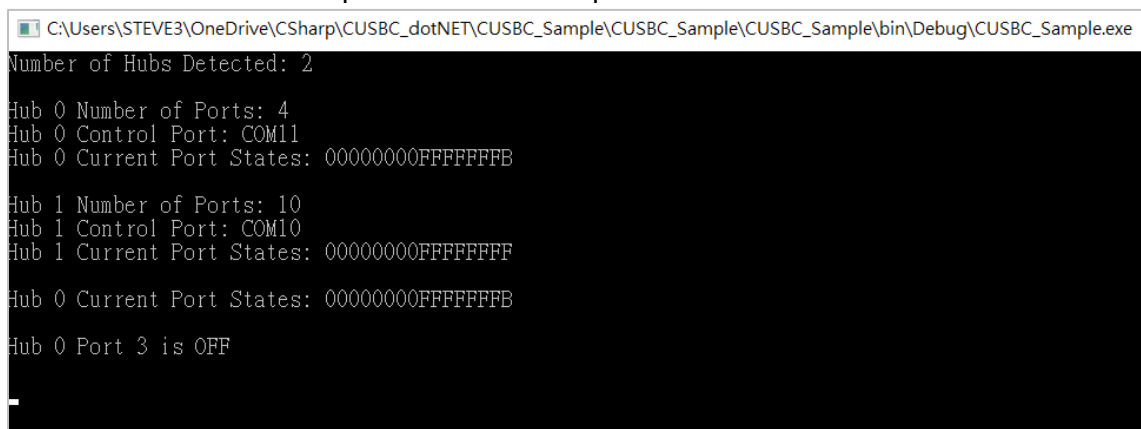
1.6. Check if used the "CUSBC_dotNET.dll" in the References.



1.7. To use the CUSBC class provided by "CUSBC_dotNET.dll", you need to add a line "using CUSBC_dotNET;" to your source code.



1.8. Please refer to the provided sample for more details.



2.Function Instruction

2.1 CUSBC.Auto_Search

Description	Query all hubs to get all their information.
Input	none
Output	none

2.2 CUSBC.Change_Password

Description	Change password for a hub
Input	Integer: Hub_No, String: old password, String: new password
Output	String: OK (Successfully changed password) or Err(fail to change password)

2.3 CUSBC.Get_Port_State

Description	Get port state from a hub
Input	Integer: Hub_No
Output	UInt64: Port state (Bitmap)

2.4 CUSBC.Get_Single_Port_State

Description	Get a port state from a hub
Input	Integer: Hub_No, Integer: Port_No
Output	Integer: 0 (off) or 1 (on).

2.5 CUSBC.Set_Port_State

Description	Change a port state from a hub
Input	Integer: Hub_No, Integer: Port_No String: "ALL-ON" or "ALL-OFF" or "ON" or "OFF" or "TOGGLE" String: password
Output	String: OK (Successfully changed port state) or Err(fail to change port state)

2.6 CUSBC.Save_Port_State

Description	Save current port state for a hub
Input	Integer: Hub_No, String: password
Output	String: OK (Successfully save port state) or Err(fail to save port state)

2.7 CUSBC.Reset_Hub

Description	Reset a hub
Input	Integer: Hub_No, String: password
Output	String: OK (Successfully reset a hub) or Err(fail to reset a hub)

2.8 CUSBC.Restore_Default

Description	Completely reset a hub to factory default
Input	Integer: Hub_No, String: password
Output	String: OK (Successfully reset a hub to factory default) or Err(fail to reset a hub to factory default)