About this test program

This little assignment was a conventional shared memory example code, one is the server app that writes something in the named shared memory, in this test, I put 100 ‘A” in, then the client app to retrieve the data from the shared memory.

I need to setup the VS 2019 from the scratch on Monday night, most of my time were used in familiar with new setup since I have not been working at this platform since 2013. Lots of things have changed. In the end, I did manage to make a simple Form app. Add one button, one input box, one output box. That simple CoomdApp works. When I tried to port the old C++ shared memory code into it, I got a lot of errors. I know I need more time. That was Monday night。

Last night, I did some search, and figured out that I need to create a Console App to port C++ code, not put it into WindowsApp, then spend time making the boost package work. Following code worked in an old environment, but failed in VS 2019, complained about shm, calling convention, so I have used the standard Unix version, this also caused some issues, but I did solve all those issues and got it to run.

The client side, recvCmd doesn’t seem to have issue.

My initial idea was to merge CommandApp with SendCmd, i,e. put all SendCmd code into CommandApp, it didn’t work out, still had lots of errors, same thing happened as Monday night.

I figured out a way to put the GUI into the consoleAoo this morning, I read a post, saying need to rebuild the Form environment from scratch in consoleApp. I have other work to do today, so I will work the problem at night or weekend.

My guess is that your assignment is just a way to know what method to approach the shared memory problem, understand the importance of memory shared approach, simple GUI is not the main issue here. For demonstrate the problem solving approach using shared memory, this pair of programs should achieve the main purpose, not exactly what you assigned.