Dear Xemuth,

It is indeed amazing, the way you have advised, step-by-step, with code. I'm at loss of words to thank you. I'm very novice in this kind of coding, hence I have tried to use your code as it is, with some previous trials I have made. Here are some further questions I have in this regard:

1. In function AutoWrap (it's very high level code for me), for the line

WideCharToMultiByte(CP_ACP, 0, ptName, -1, szName, 256, NULL, NULL);

MS compilers gives the following 2 errors:
E:\UPP_Projects\Testing\main.cpp (33): error C2065: 'CP_ACP': undeclared identifier
E:\UPP_Projects\Testing\main.cpp (33): error C3861: 'WideCharToMultiByte': identifier not found
while MINGW doesn't complain.

2. Is it OK to get the CLSID like this? It seems to be working:

CLSIDFromProgID(L"StaadPro.OpenSTAAD", &clsid);

3. The requirement of the current assignment is to read some data from a running instance of STAAD, hence rather than CoCreateInstance, is it OK to use GetActiveObject, as follows? It also seems to be working:

HRESULT hr = GetActiveObject(clsid, NULL, (IUnknown**)&pUnk);

4. Thanks to your advice, I have figured out how to access properties and methods of the App. I can now read properties returning integer or double from the App. How about string properties? And how about using properties which perhaps return arrays of int or double (the getbeamlength in fact returns an array of double).

I'll study more in the examples of github as you suggested. Your advices are indeed of great help, truly appreciate it.

Have a nice weekend.

Thanks and regards,
Pradip