Calling a .Net Component from C++

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CSE775 – Distributed Objects
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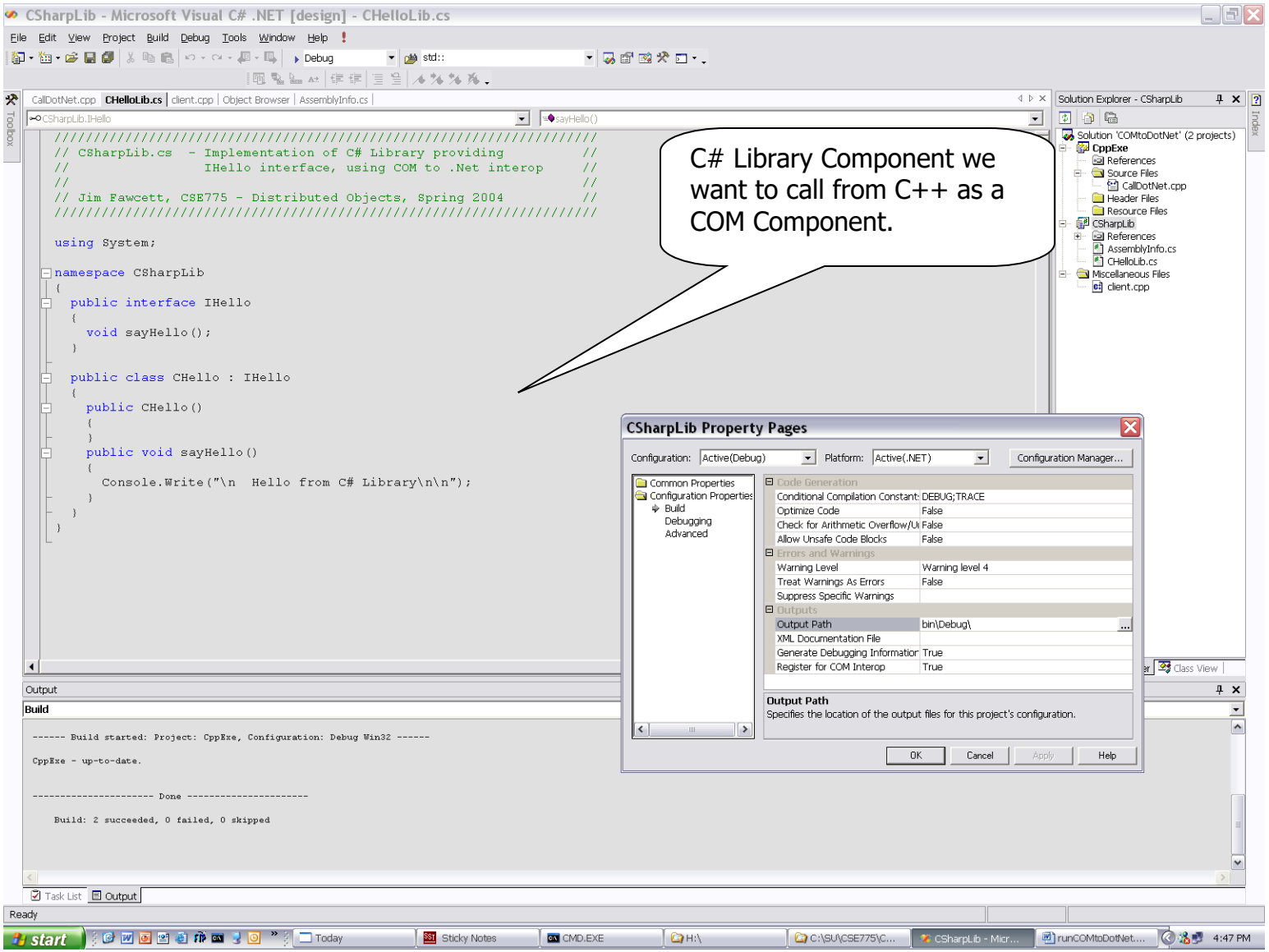
C++ calls .Net Library using COM to .Net Interop



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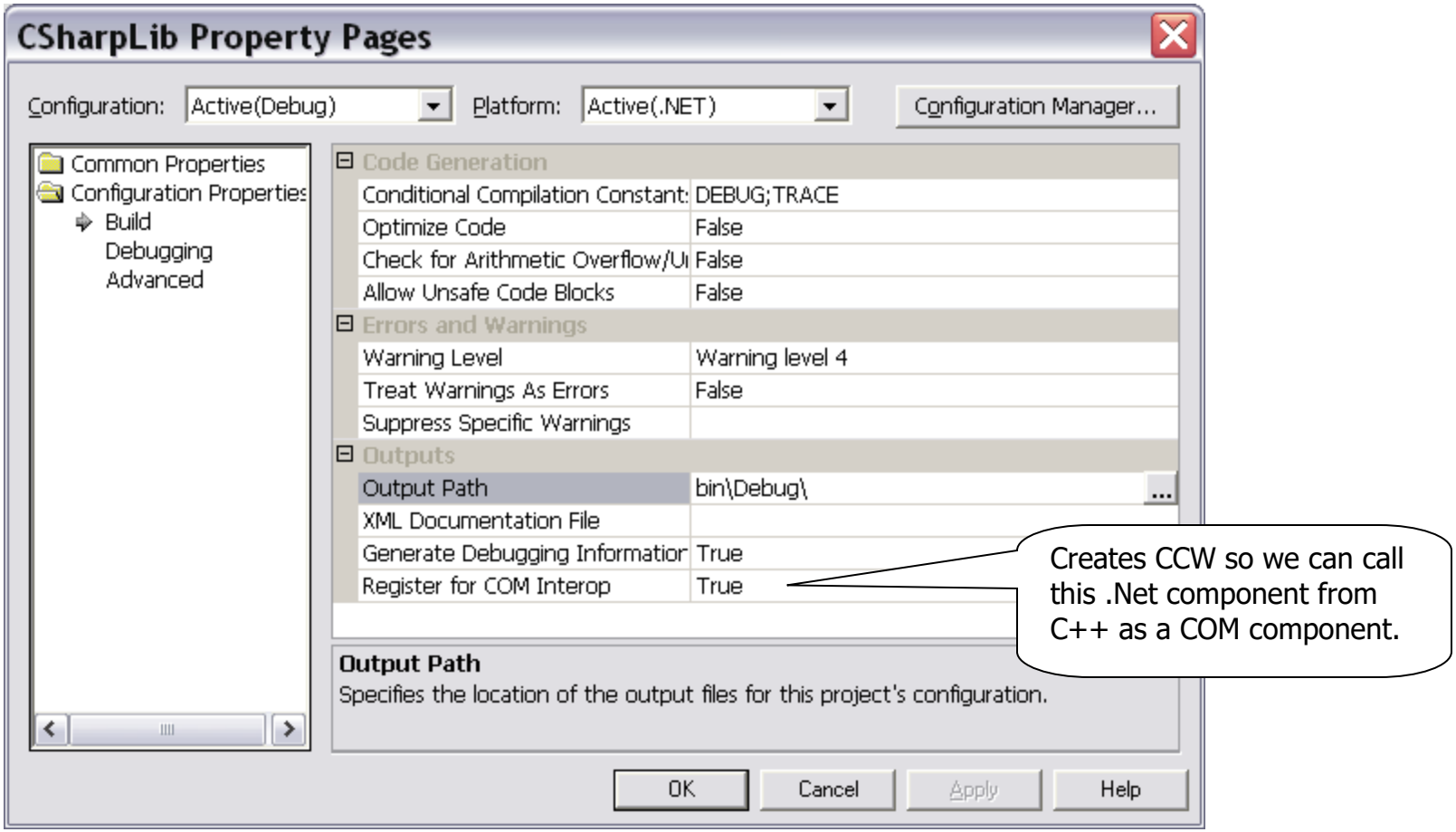

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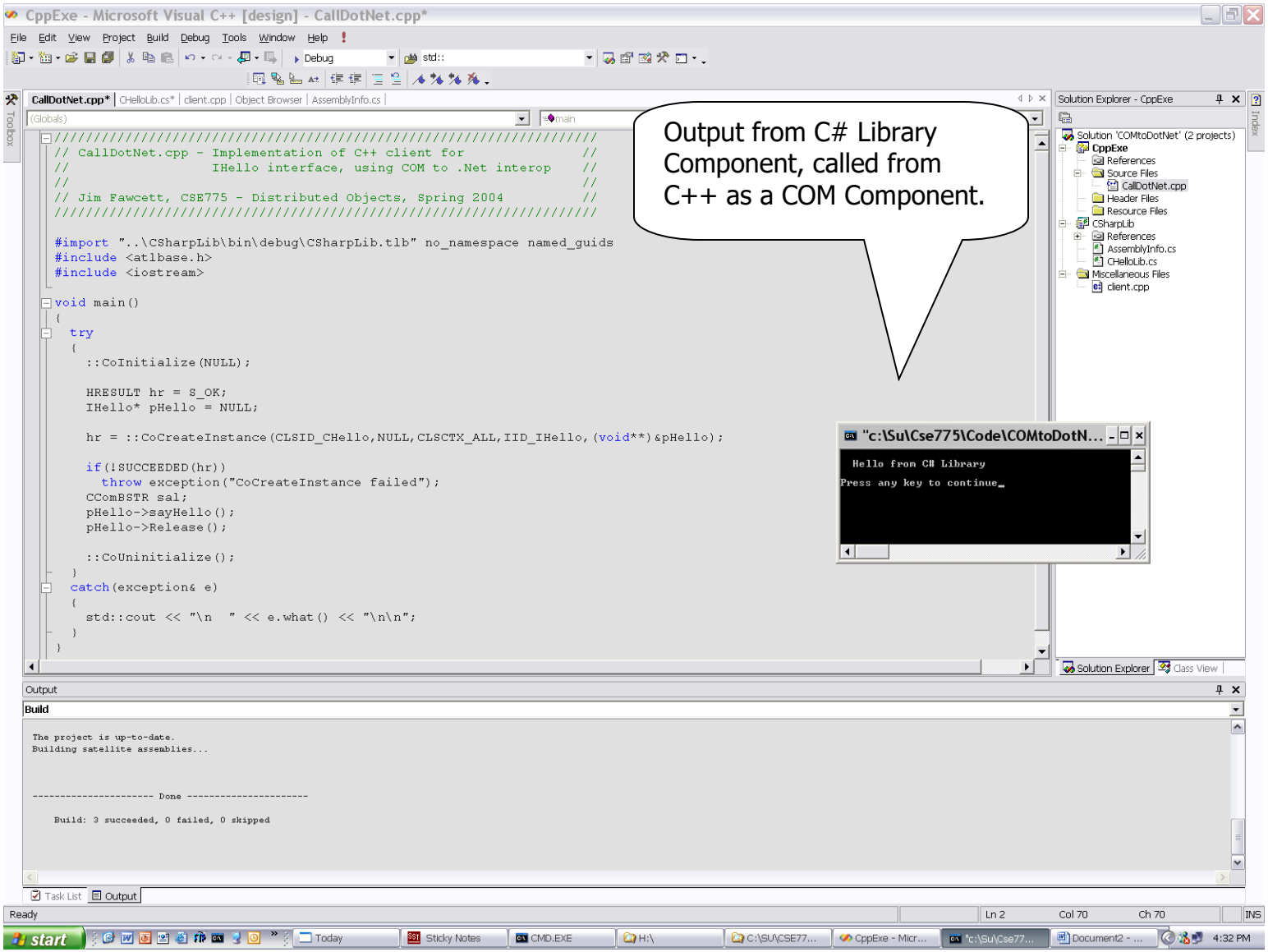

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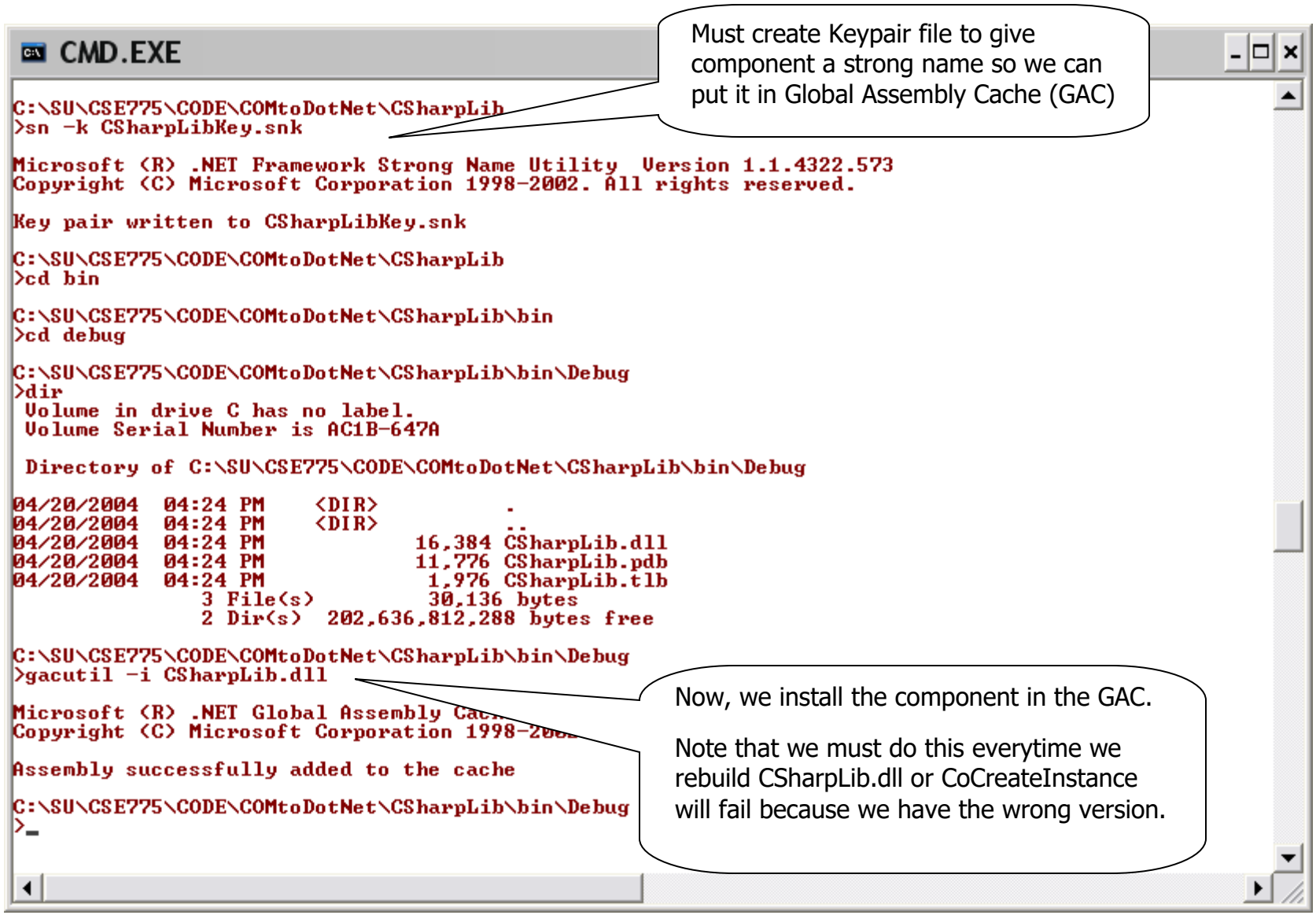

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Steps to build are:

1. Create C# library project and write some code to provide one or more classes that are exposed through .Net interfaces.
2. Set the project properties to register for COM interop on the Properties\Configuration Properties\Build tab.
3. Build the library project to create a dll.
4. Create a C++ client written in the usual way to access a COM component, where CLSID and IID are[1]:
    a. CLSID_ClassName
    b. IID_InterfaceName
5. In the project directory create a Keypair file, as shown above.
6. In the debug directory use the gacutil tool to put the library assembly in the GAC.
7. Now you can build the C++ component and run it to call the .Net component.

[1] Here, ClassName and InterfaceName are the class name and interface name, as used in the library source code.