Connecting Unreal C++ to MongoDB

```
First create new class within the project's C++ classes
Next create new plugin in project
       Call that plugin whatever (MongoDB)
Make sure you have vcpkg installed on system
       Create a directory to hold all the packages
       Using vcpkg download and install mongo-cxx-driver
Go into the Games folder and expand the Plugins folder
       Find the Plugin that you created (MongoDB)
       Go into the Source folder
              Create new folder (MongoDBSDK)
              In that new folder create two folders Binaries and Include
              Create a C# file named [folder name].Build.cs (MongoDBSDK.Build.cs)
Go to the folder you created to hold vcpkg libraries
       Go into installed->x64-windows
              Depending on your OS the x64-windows may be different
       Take everything in the include folder and put it into your the Include folder created within
your Unreal project
       In the bin folder and lib folder within the installed->x64-windows folder grab the .dll and
lib files and put them into the Binaries folder in your Unreal project.
In your editor of choice for Unreal (for me Rider) find the C# file you created
(MongoDBSDK.Build.cs)
       Create a List<String> of your library names within the class scope (name.dll):
              private List<string> LibraryNames = new List<string>()
                      "mongocxx"
                      "bsoncxx"
       In your constructor scope (public MongoDBSDK) add the following:
              Type = ModuleType.External;
              In the PublicIncludePaths.Addrange add the following:
                      Path.Combine(ModuleDirectory, "Include")
              Create a foreach loop to loop through the LibraryNames List:
                      foreach (string libName in LibrayNames)
                             string LibraryPath = Path.Combine(ModuleDirectory, "Binaries");
                             PublicAdditionalLibraries.Add(Path.Combine(LibraryPath, libname
+ ".lib"));
                             RuntimeDependencies.Add("$(BinaryOutputDir)/" + libName +
```

--Make sure you go into the uplugin file and delete "MongoDBSDK" within the "Modules" : []

".dll", Path.Combine(LibraryPath, libName + ".dll"));

Next, in your Games folder in the Unreal project, go to your project folder and find the ProjectName.Build.cs file

In that file find the line that says PublicDependencyModuleNames.AddRange() and and the name of the build file you were just working in ("MongoDBSDK")

Finally close your unreal project and build Unreal project from the IDE