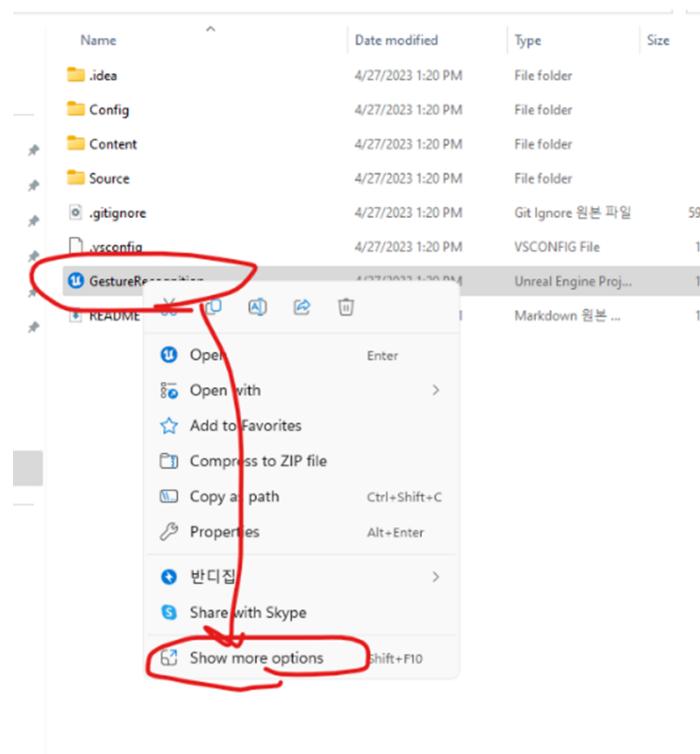
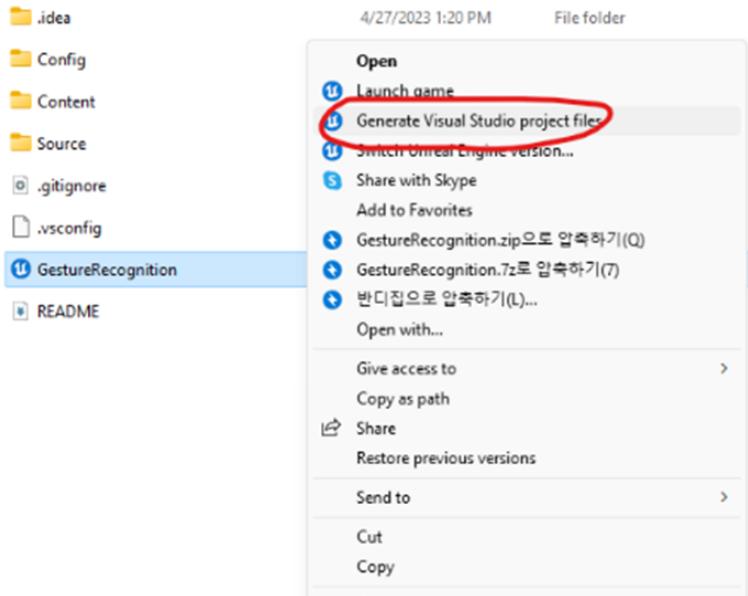


Getting Started with Motion Gesture

Step 1: Generating Project Files



Right click on .uproject file. On Windows 10, you'll see a Generate Visual Studio Project files. On Windows 11, you might have to click Show more options to see it.

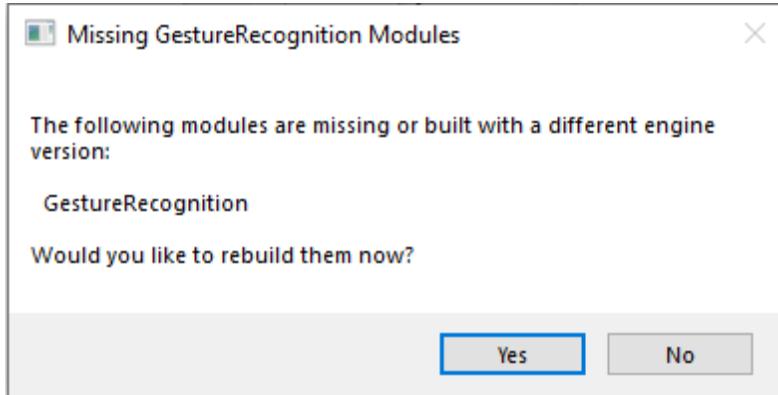


Name	Date modified	Type	Size
.idea	4/27/2023 1:20 PM	File folder	
.vs	4/27/2023 1:46 PM	File folder	
Config	4/27/2023 1:20 PM	File folder	
Content	4/27/2023 1:20 PM	File folder	
Intermediate	4/27/2023 1:46 PM	File folder	
Saved	4/27/2023 1:45 PM	File folder	
Source	4/27/2023 1:20 PM	File folder	
.gitignore	4/27/2023 1:20 PM	Git Ignore 원본 파일	59 KB
.vsconfig	4/27/2023 1:20 PM	VSCONFIG File	1 KB
GestureRecognition	4/27/2023 1:46 PM	SLN File	4 KB
GestureRecognition	4/27/2023 1:20 PM	Unreal Engine Proj...	1 KB
README	4/27/2023 1:21 PM	Markdown 원본 ...	1 KB

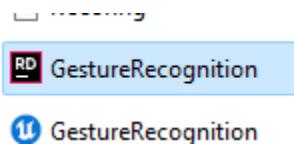
Note that a Source file, and the project .sln file will be generated. The source folder has all the project header and source files. To open the project, you will need to build the project by opening the .sln file first.

Note: “Missing Gesture Recognition Modules”

At this point, you only generated the project files, but did not build them. Proceed to Step 2

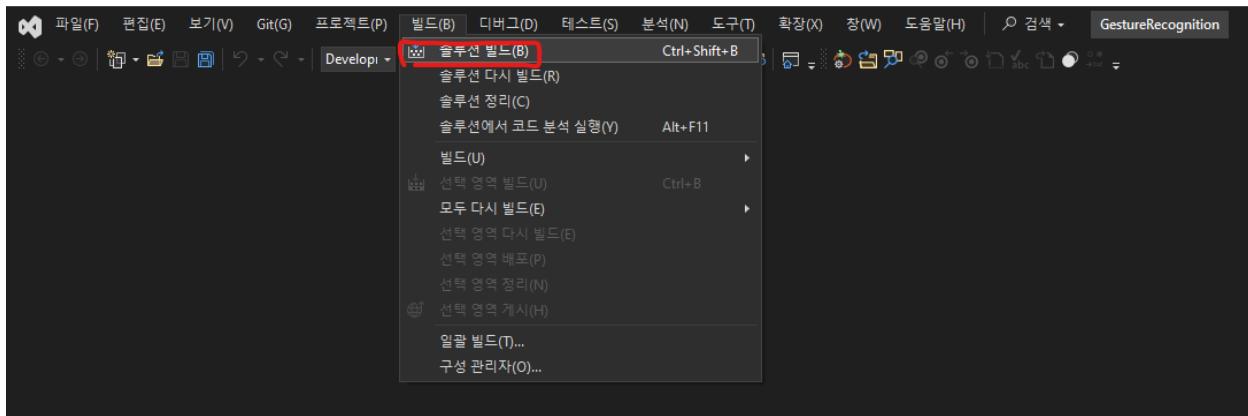


Step 2: Building the Solution (.sln file)



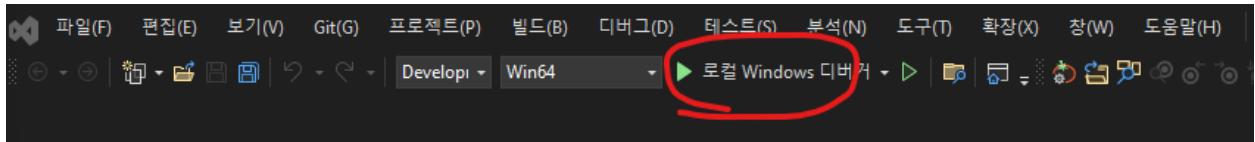
If using Visual Studio

(Sorry, my Visual Studio was installed in Korean, and I still don't know how to change it... But the toolbar options will most likely be in the same order)

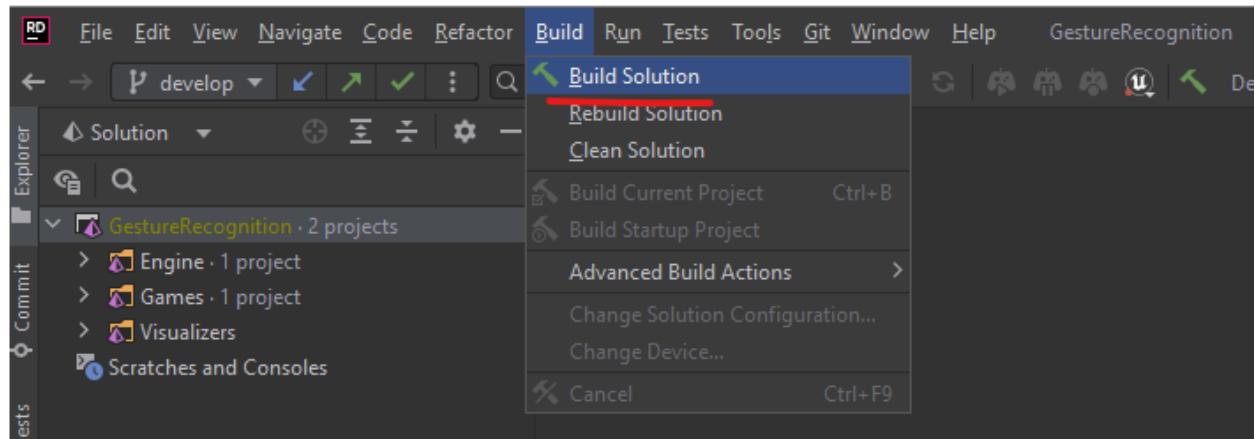


Ctrl + Shift + B or just Ctrl + B to build.

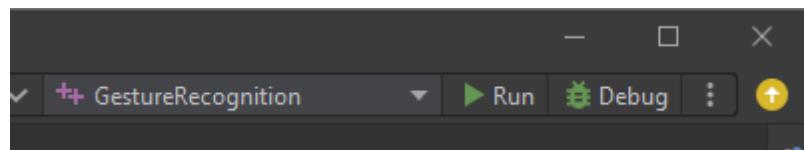
Or alternatively, you can just press F5 or Ctrl + F5 or the green play button to run the project. This will automatically build the solution.



If using Jetbrains Rider (Recommended)



Similarly, you can build the solution by clicking the option in the toolbar, or just press Ctrl + B.



Or you can just press Run or Debug, and it will build automatically



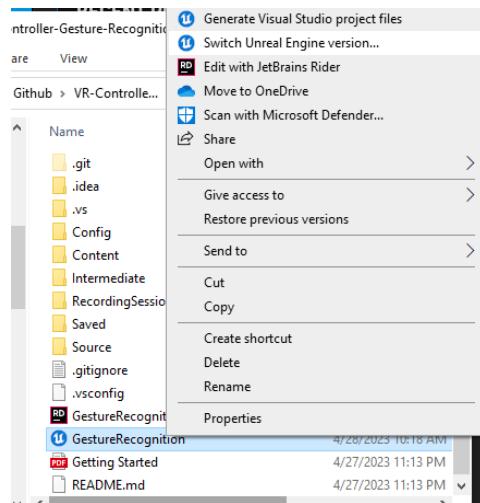
This will open up the project

📁 .idea	4/27/2023 1:20 PM	File folder
📁 .vs	4/27/2023 1:46 PM	File folder
📁 Binaries	4/27/2023 2:06 PM	File folder
📁 Config	4/27/2023 1:20 PM	File folder
📁 Content	4/27/2023 2:07 PM	File folder
📁 DerivedDataCache	4/27/2023 2:07 PM	File folder
📁 Intermediate	4/27/2023 2:07 PM	File folder
📁 Saved	4/27/2023 2:07 PM	File folder
📁 Source	4/27/2023 1:20 PM	File folder
📄 .gitignore	4/27/2023 1:20 PM	Git Ignore 원본 파일 59 KB
📄 .vsconfig	4/27/2023 1:20 PM	VSCONFIG File 1 KB
⚙️ GestureRecognition	4/27/2023 1:46 PM	SLN File 4 KB
⚙️ GestureRecognition	4/27/2023 1:20 PM	Unreal Engine Proj... 1 KB
📄 README	4/27/2023 1:21 PM	Markdown 원본 ... 1 KB

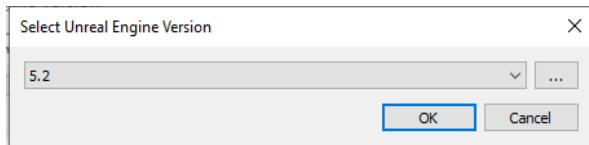
Note that after you build the solution, and as long as there are no changes in the code, you can open the project by clicking the .uproject file

Note: If there is any error regarding project version number, right click the .uproject file → Click Switch Unreal Engine version

Method 1



Right click .uproject file → Click Switch Unreal Engine Version

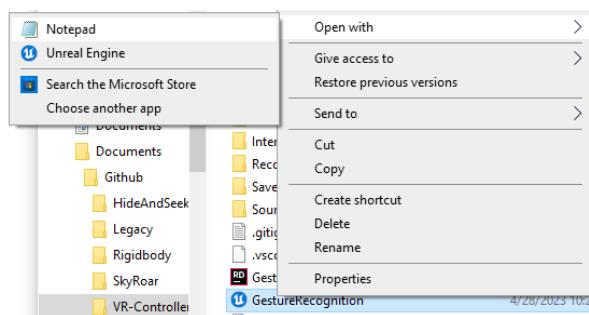


Current Version

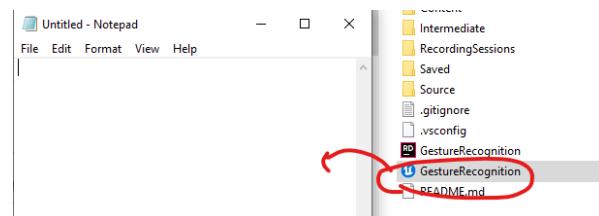


Switch to 5.1

Method 2



Open With Notepad or any text editor;



or just drag the .uproject into a notepad

```

GestureRecognition - Notepad
File Edit Format View Help
{
    "FileVersion": 3,
    "EngineAssociation": "5.2",
    "Category": "",
    "Description": "",
    "Modules": [
        {}
    ]
}

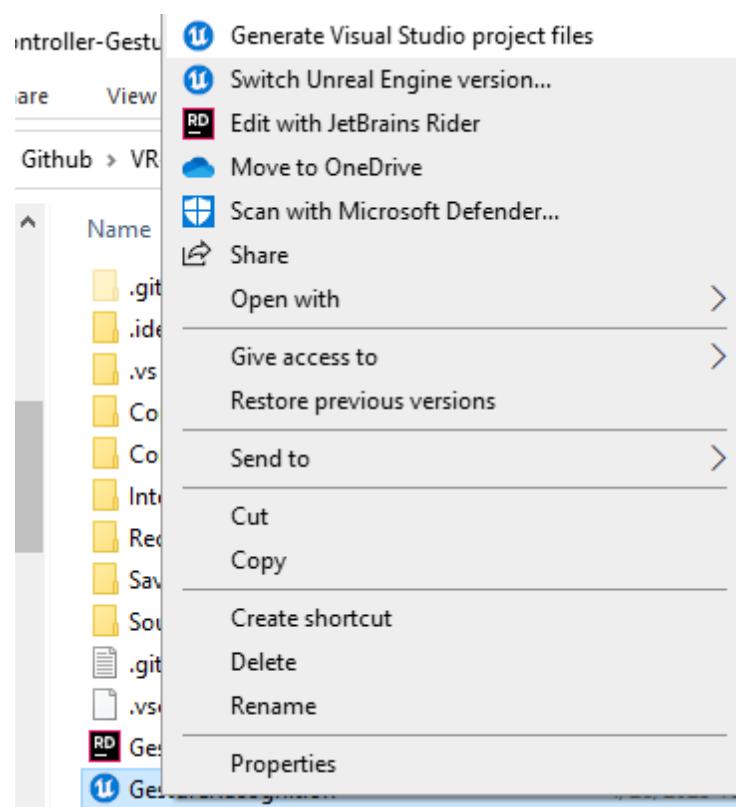
```



```

GestureRecognition - Notepad
File Edit Format View Help
{
    "FileVersion": 3,
    "EngineAssociation": "5.1",
    "Category": "",
    "Description": "",
    "Modules": [
        {}
    ]
}

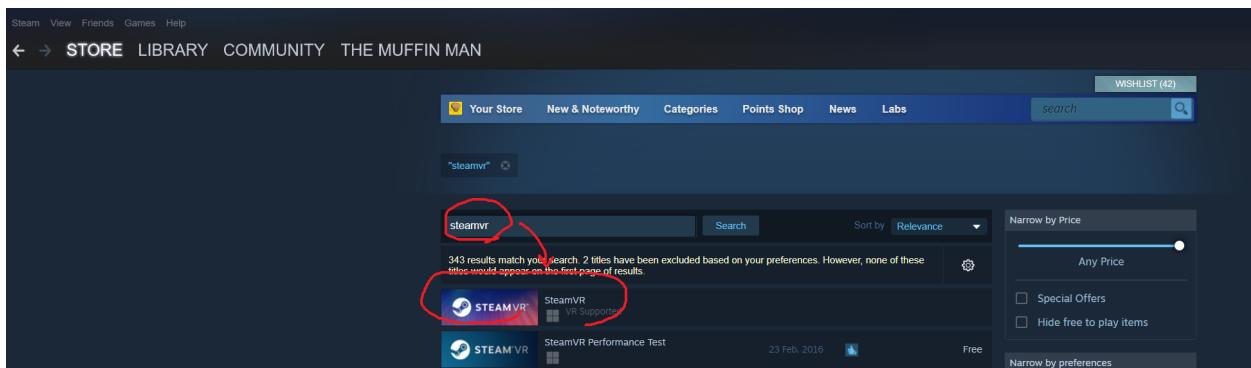
```



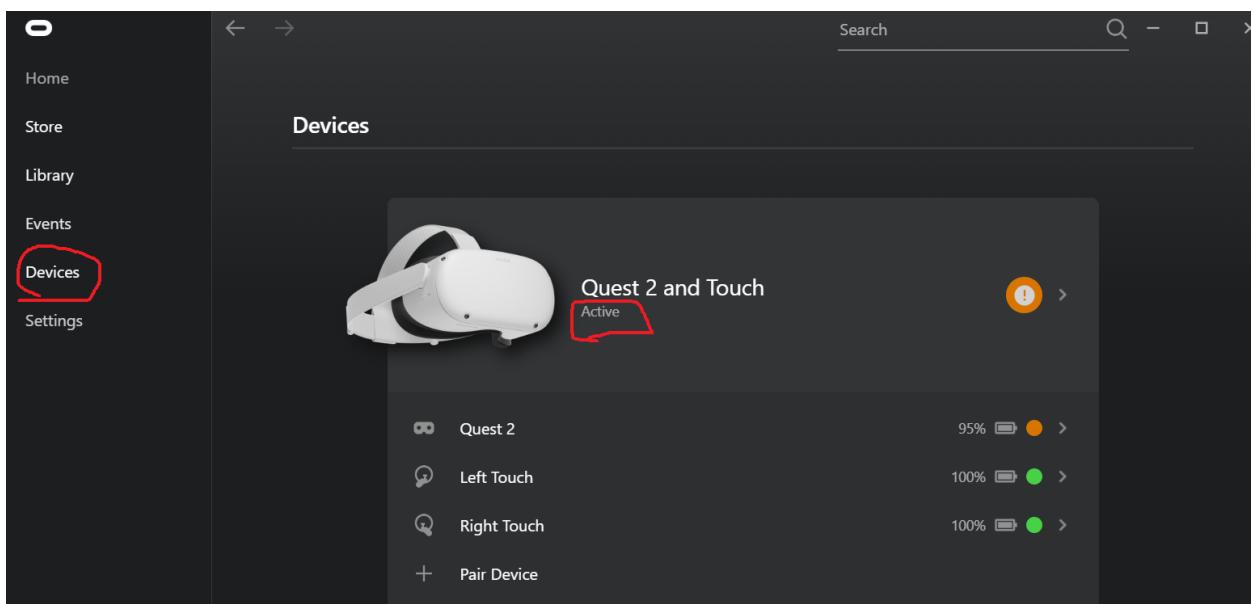
Then generate project files again

Step 3: Playing in VR Mode

Install SteamVR



Connect your Oculus headset to the PC





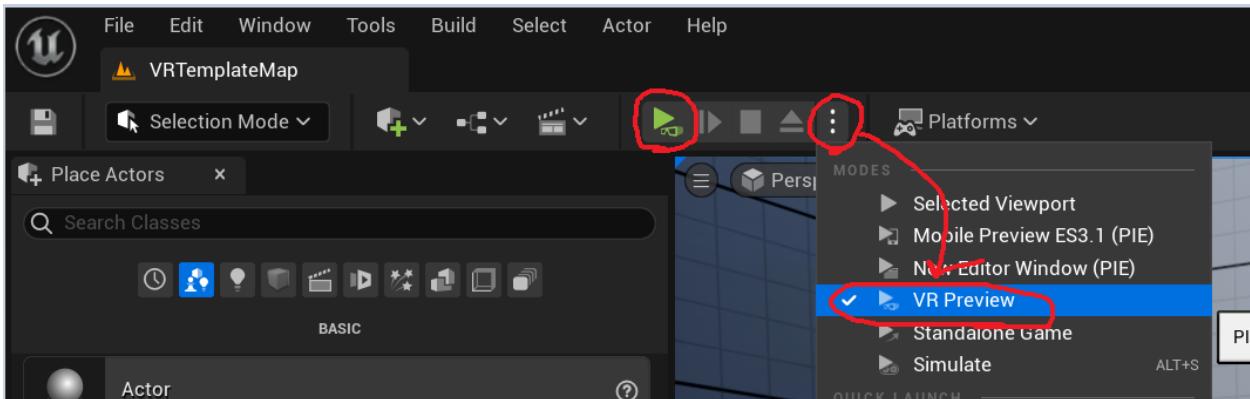
Enable Quest Link



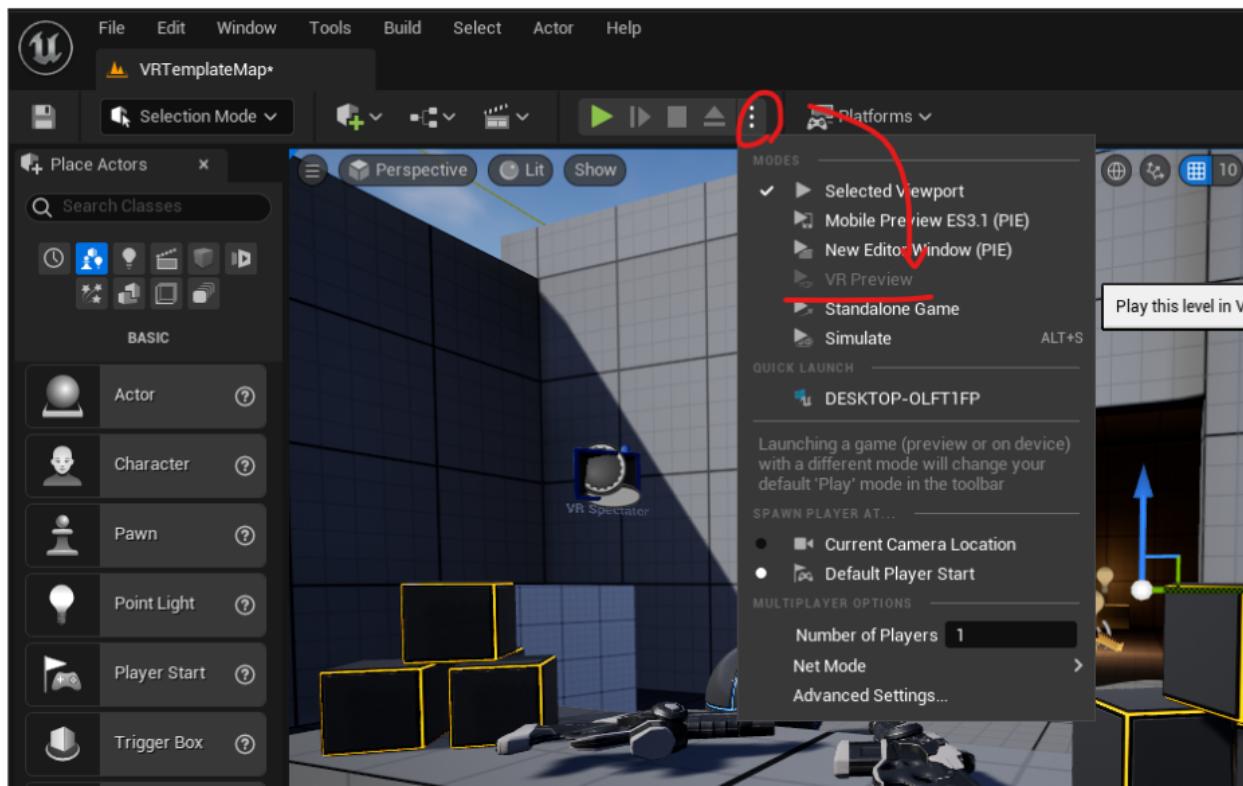
You can either do Air Link or Rift Link. From a hardware standpoint, it is recommended that you connect the headset to your PC with the Rift Link. (You don't have to necessarily get the official Link cable. A regular cable will suffice)



Make sure you are in this white room, before opening the project.



Click the ellipsis button → Run in VR Preview

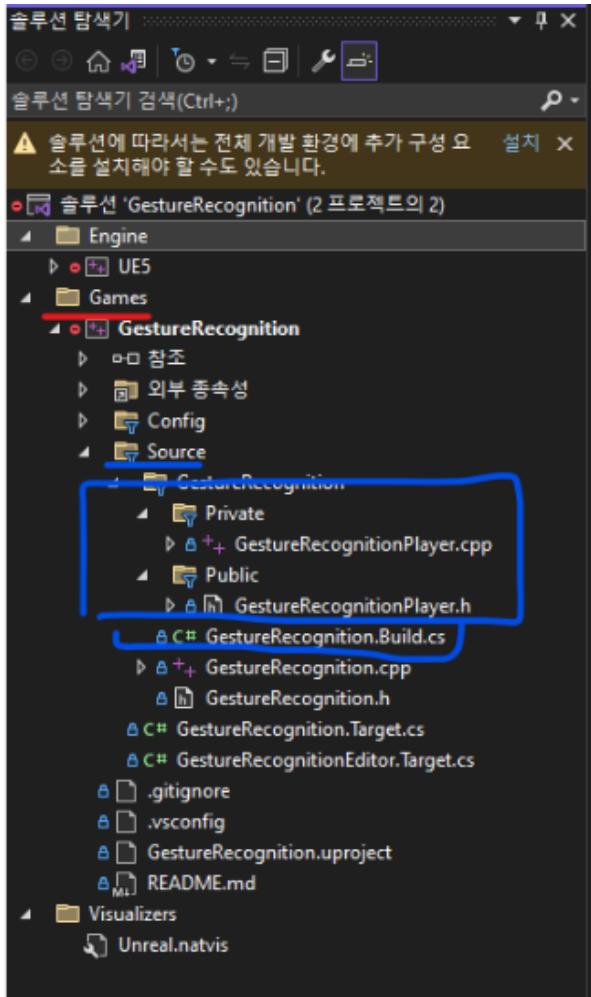


Note that if you open the project before enabling Oculus Link, the VR Preview option will be greyed out.

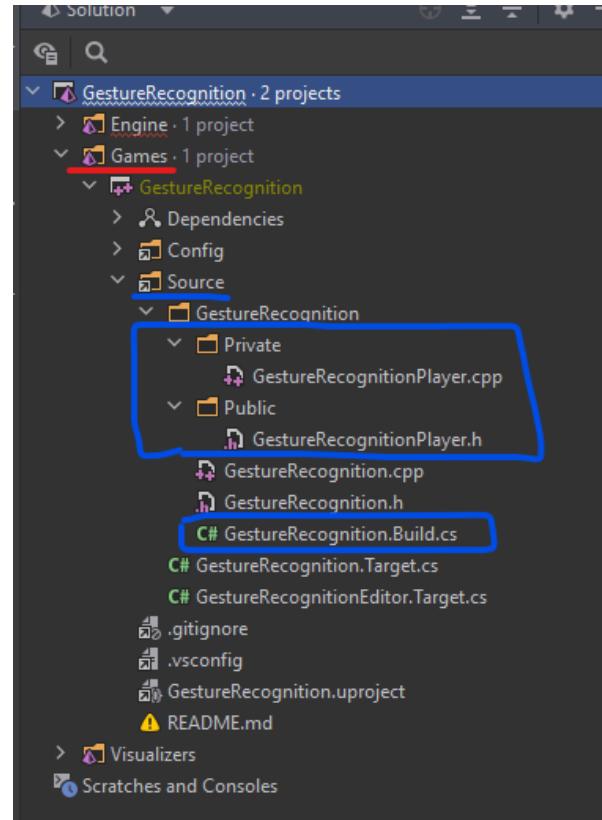
Additional Info: Locating the Source files

Method 1: In the Solution File

You can press Ctrl + Alt + L, to open up the Solution Explorer. Locate the Source folder, and you will find what you need.



Visual Studio



Rider

Note: The .Build.cs file is a C# file that has the Module includes. Not important at the moment, but if you want to utilize more plugins or modules, you can include them here.

```

yoponchik
public class GestureRecognition : ModuleRules

yoponchik
public GestureRecognition(ReadOnlyTargetRules Target) : base(Target)
{
    PCHUsage = PCHUsageMode.UseExplicitOrSharedPCHs;

    PublicDependencyModuleNames.AddRange(new string[] { "Core", "CoreUObject", "Engine", "InputCore", "EnhancedInput", "HeadMountedDisplay" });

    PrivateDependencyModuleNames.AddRange(new string[] { });

    // Uncomment if you are using Slate UI
    // PrivateDependencyModuleNames.AddRange(new string[] { "Slate", "SlateCore" });

    // Uncomment if you are using online features
    // PrivateDependencyModuleNames.Add("OnlineSubsystem");

    // To include OnlineSubsystemSteam, add it to the plugins section in your uproject file with the Enabled attribute set to true
}

```

GesureRecognition.Build.cs

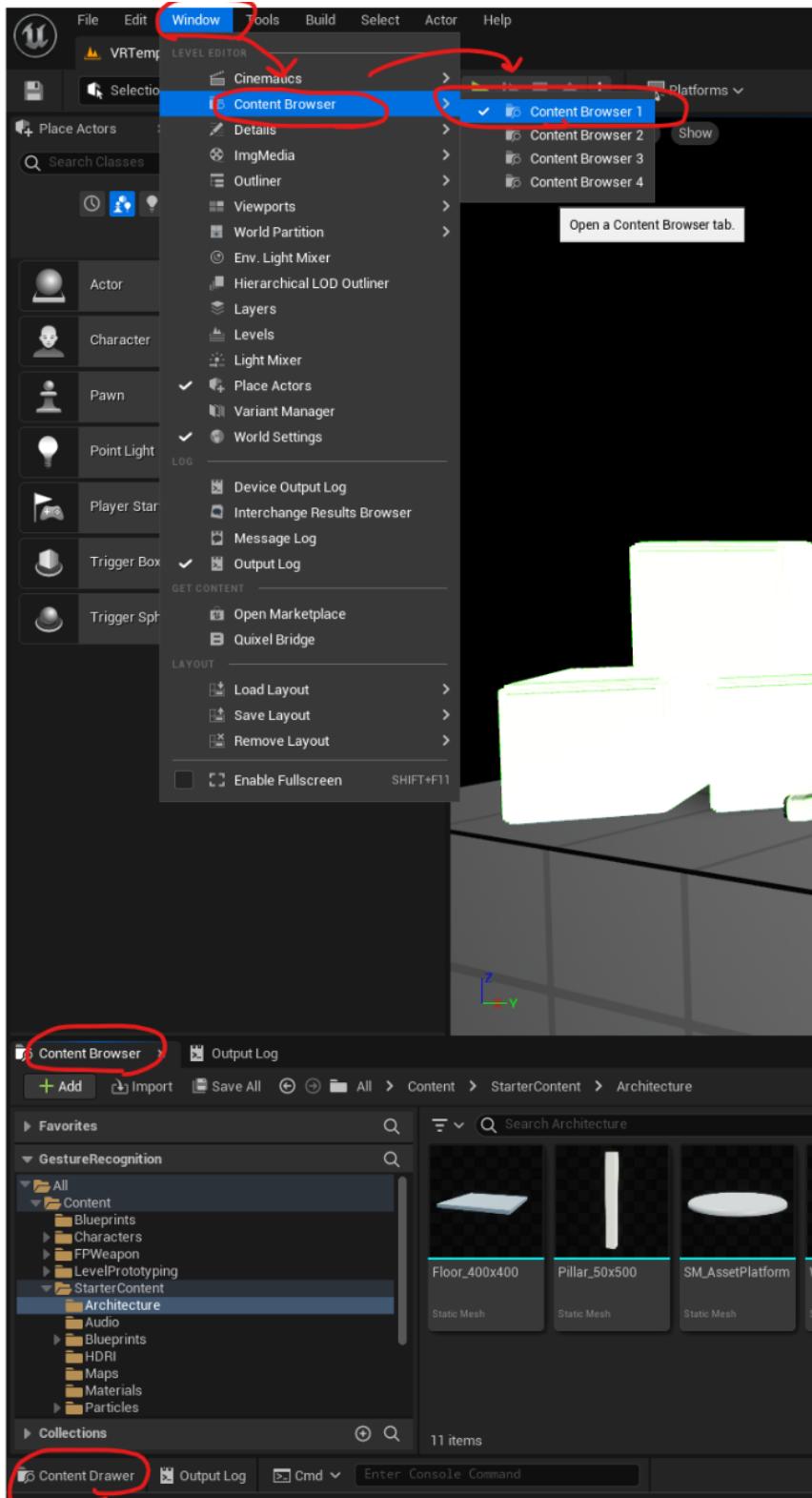
Method 2: In the Project Folder

Documents > Github > VR-Controller-Gesture-Recognition > <u>Source</u> > GestureRecognition >				
	Name	Date modified	Type	Size
	📁 Private	4/27/2023 1:20 PM	File folder	
	📁 Public	4/27/2023 1:21 PM	File folder	
⚡	RD GestureRecognition.Build	4/27/2023 1:20 PM	CS File	1 KB
⚡	RD GestureRecognition	4/27/2023 1:20 PM	CPP File	1 KB
⚡	RD GestureRecognition	4/27/2023 1:20 PM	H File	1 KB

./Source/GestureRecognition

Method 3: From the Content Browser

1. You can either press the Window option → Content Browser → Content Browser 1
2. Or if it's already open, you'll find it in the bottom of the Unreal Engine editor
3. Or you can just press Ctrl + Space (Doesn't work on MacOS)



Then under C++ Classes folder → Gesture Recognition → Public, you can find the files you are looking for

