

# CS 112 Final Project

Project Name: Snowtrack Shader

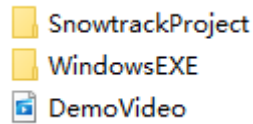
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Student ID: 83729230

Platform: Unity Game Engine

## Project Introduction:

**General Intro:** In the project folder, there are two folders and a mp4 video, **SnowtrackProject** is a folder contains the unity engine package, **WindowsEXE** is a folder contains the executable file (only for windows platform), **DemoVideo** is a recording of the project



### SnowtrackProject:

Assets:

ImportedPack: all the third-party packages I use for project

Snowtrack: the folder contains all things for this project

Materials: all the material sphere for projects

Scenes: the scene that set up the project

Scripts: all the C# scripts for this project

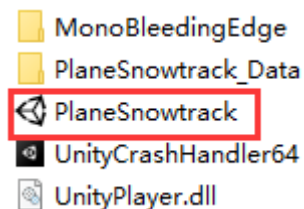
Shaders: all the ShaderLab scripts for this project

Textures: all the 2D textures for this project

ProjectSettings: the project settings for this project, no need to open it

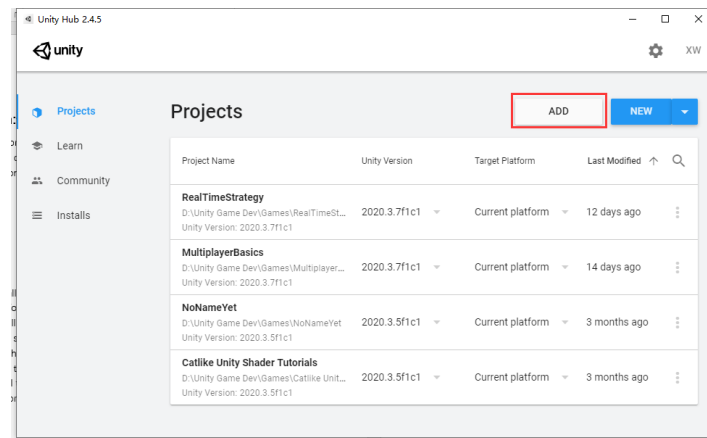
### WindowsEXE:

PlaneSnowtrack.exe: an executable file, which will open a 1600x900 windows, you can check the demo by opening this file

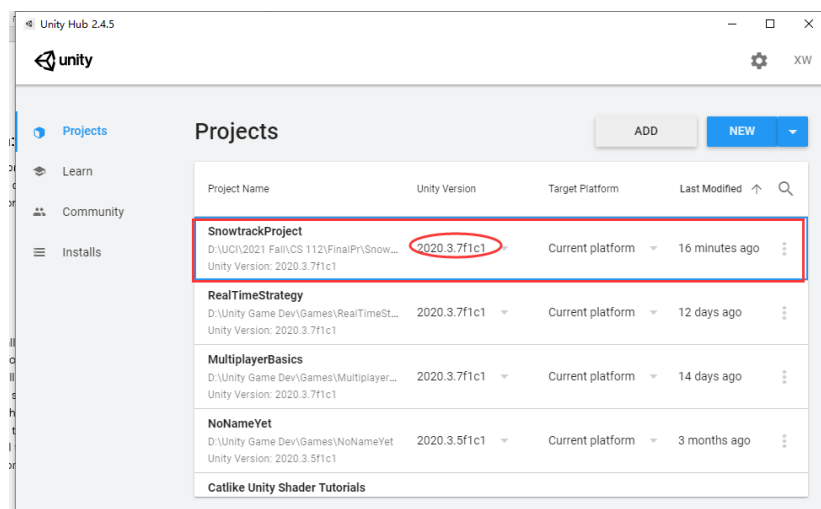


## Manually Check Codes and Settings:

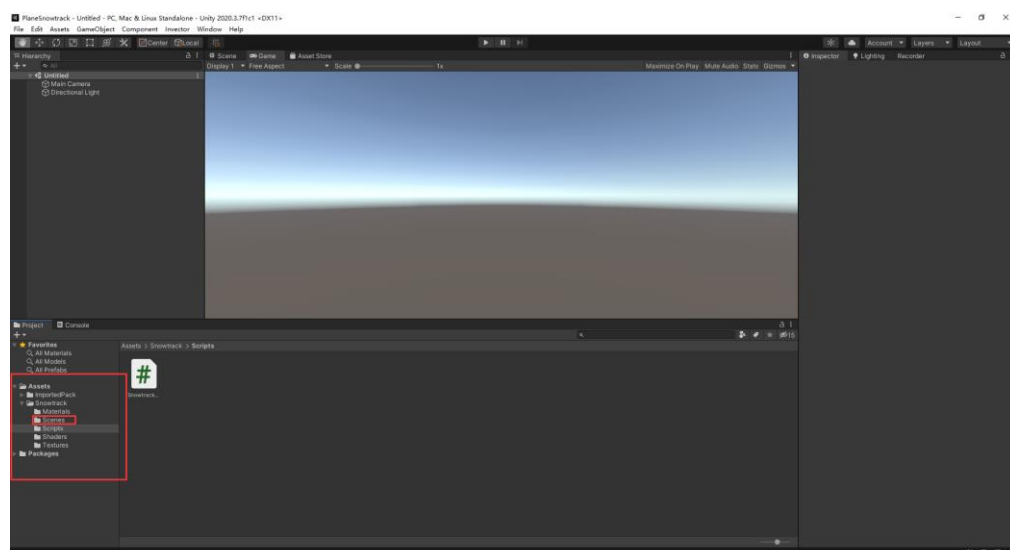
1. Install [Unity Hub](#), and download Unity 2020.3.7f1c1 in Unity Hub
2. Click Add, and Select the SnowtrackProject folder, open it



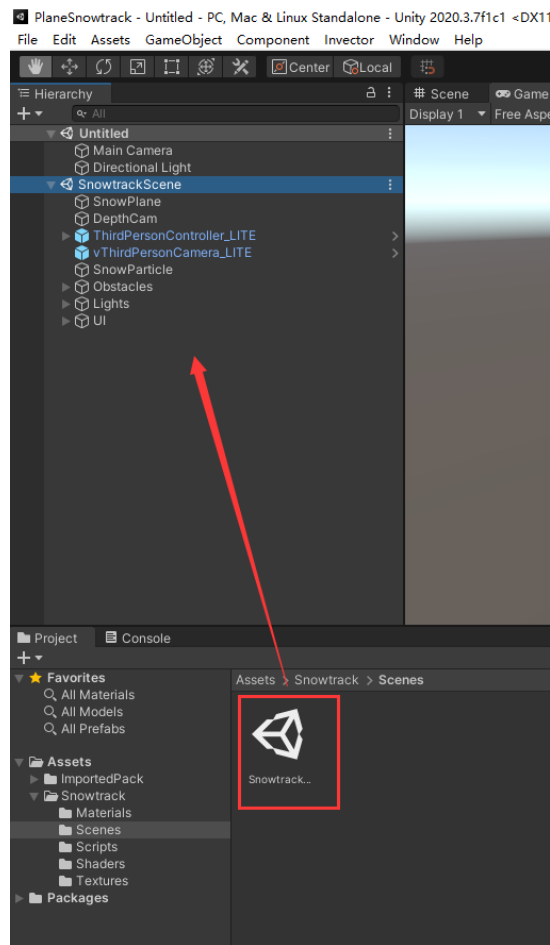
3. Click on the project, make sure the version is 2020.3.7f1c1 or higher versions (different versions may cause some errors)



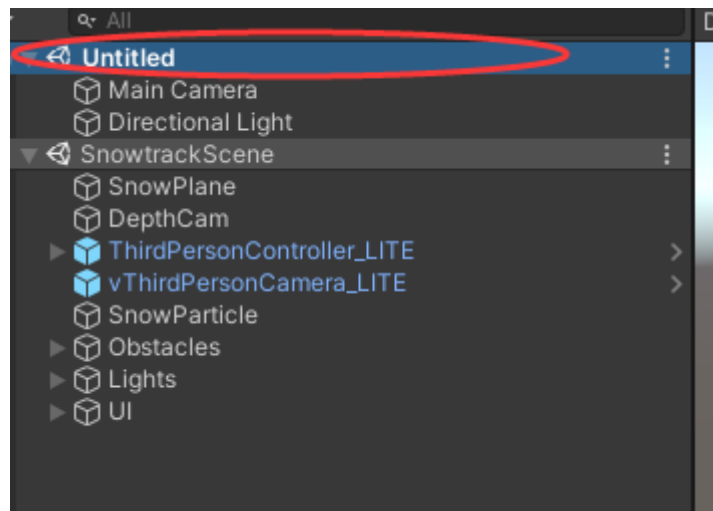
4. Find Assets/Snowtrack/Scenes



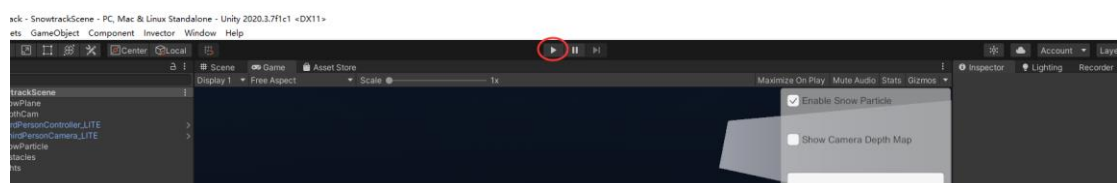
5. Drag the SnowtrackScene to Hierarchy



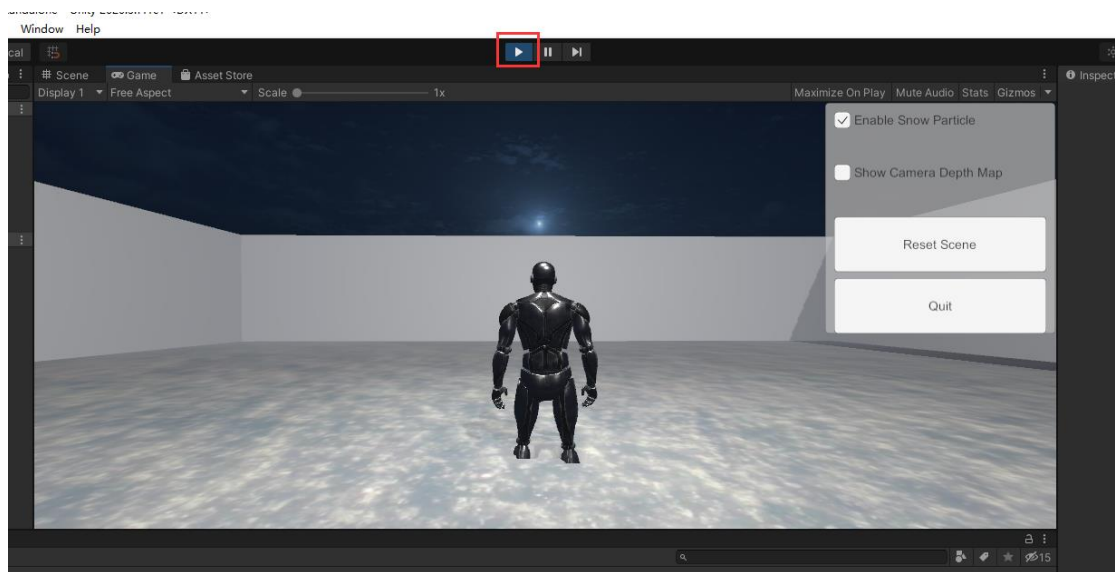
6. Right Click on Untitled, remove it from the Hierarchy



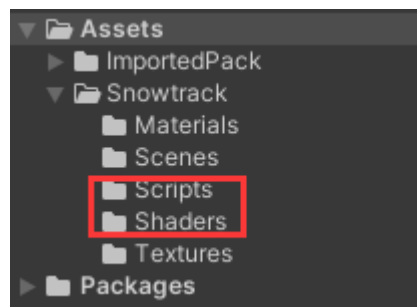
7. Click on this button to play the scene



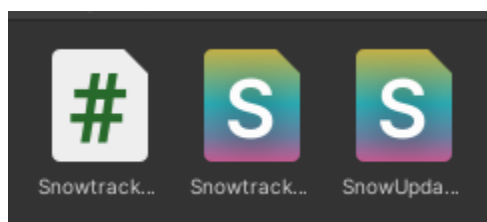
8. Click the button again to stop playing



9. You can check all the codes in these two folders

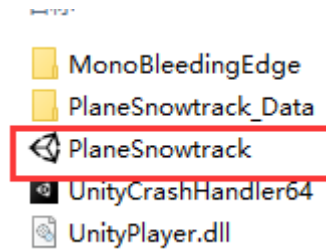


10. There are totally 3 scripts (1 C# and 2 ShaderLab), there are comments in the codes for better understanding

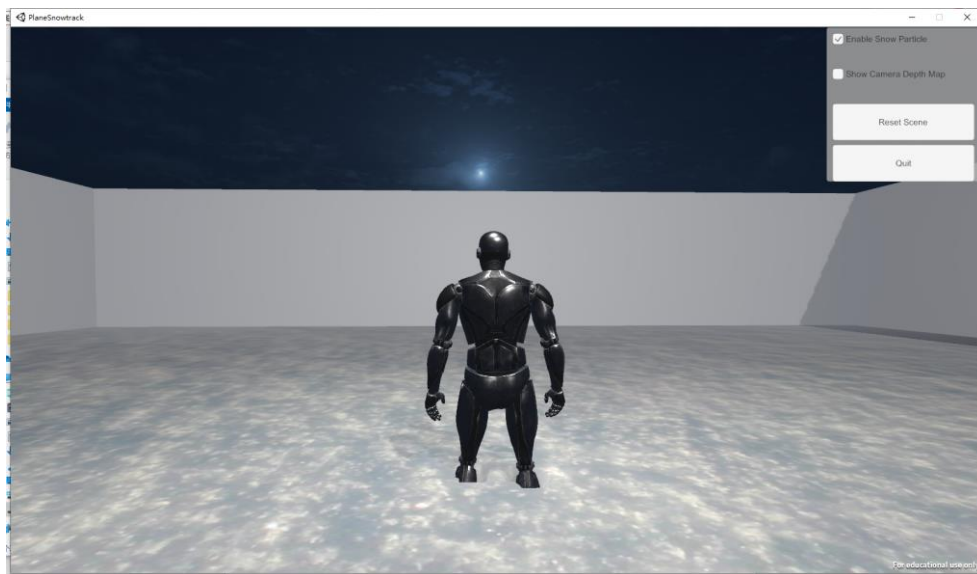


## Execute the Demo:

1. Click on the exe file in WindowEXE folder, make sure the platform is Windows



2. You will see a window shows up like this



3. The small panel provide some functions for the demo

