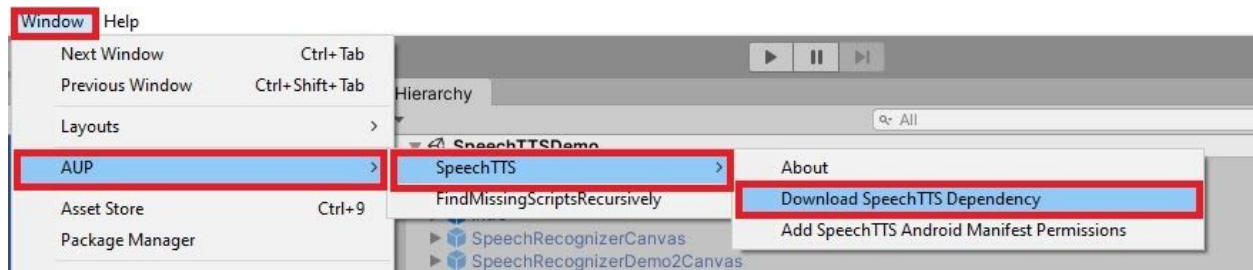# AUP SpeechTTS Automatic Speech Recognition Oculus Setup
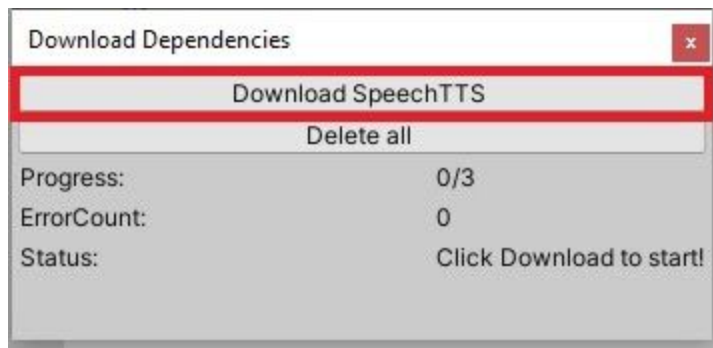
Step 1: Download the SPeechTTS Plugin from Asset Store

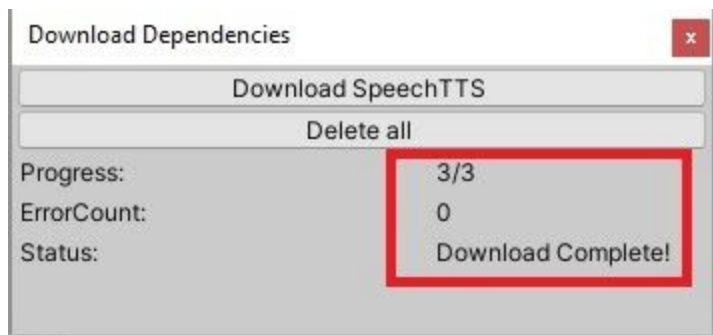**Step 2:** Import Speech TTS

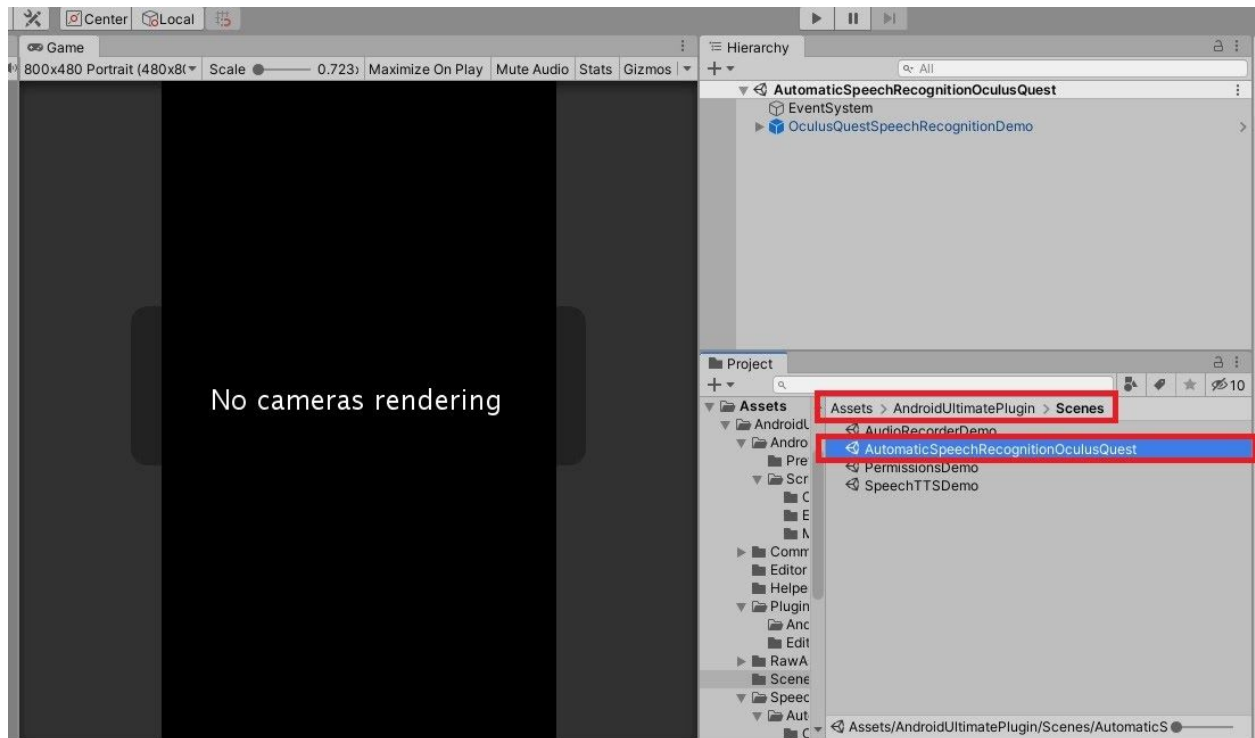**Step 3:** Go to Windows menu, Select AUP/SpeechTTS/Download SpeechTTS Dependency

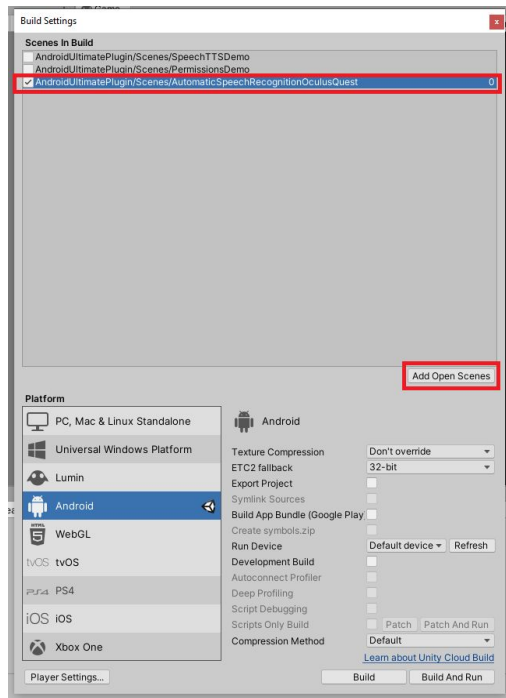**Step 4:** Click Download SpeechTTS and wait for it to complete the download process

Step 5: Once the download is complete you will see this status, make sure that everything is downloaded and there's no error count

Step 6: Look for SpeechTTS Demo Scene and open it

Step 7: add the AutomaticSpeechRecognitionOculusQuest demo scene to your build settings

Step 8: download and Import Oculus Integration from asset store

Step 9: if you ask to upgrade and restart follow it and do it

**Step 10:** go to project settings look for XR Plugin-in Management install it

Step 11: from XR Plugin-in Management tick the oculus it will install it wait for it

**Step 12:** on oculus it should be Stereo Rendering Mode Multi Pass

Step 13: V2 Signing (Quest) is tick or checked

Step 14: go to Window look for Package Manager and remove or uninstall XR Plug-in Management it's colliding with other XR plugin

Step 15: go back to project hierarchy go to Assets/Oculus/VR/Prefabs look for OVRCamera Rig drop it on Automatic Speech Recognition Oculus Quest Demo scene
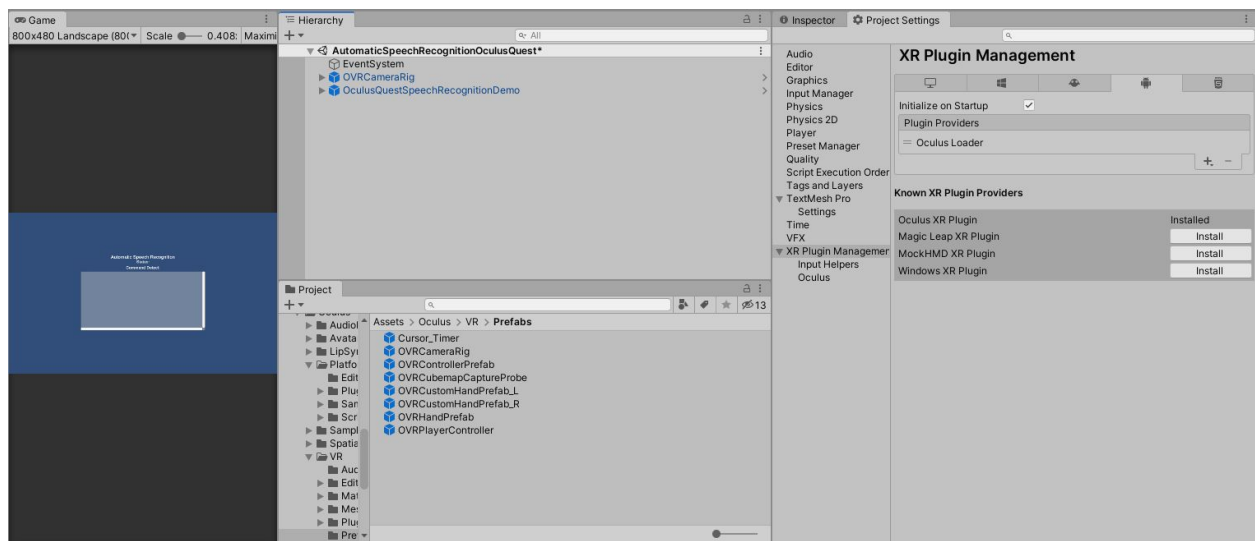
Step 16: Check your Package Manager you should only have Oculus XR Plugin, if you also have the XR Plugin Management it will collide with Oculus XR Plugin
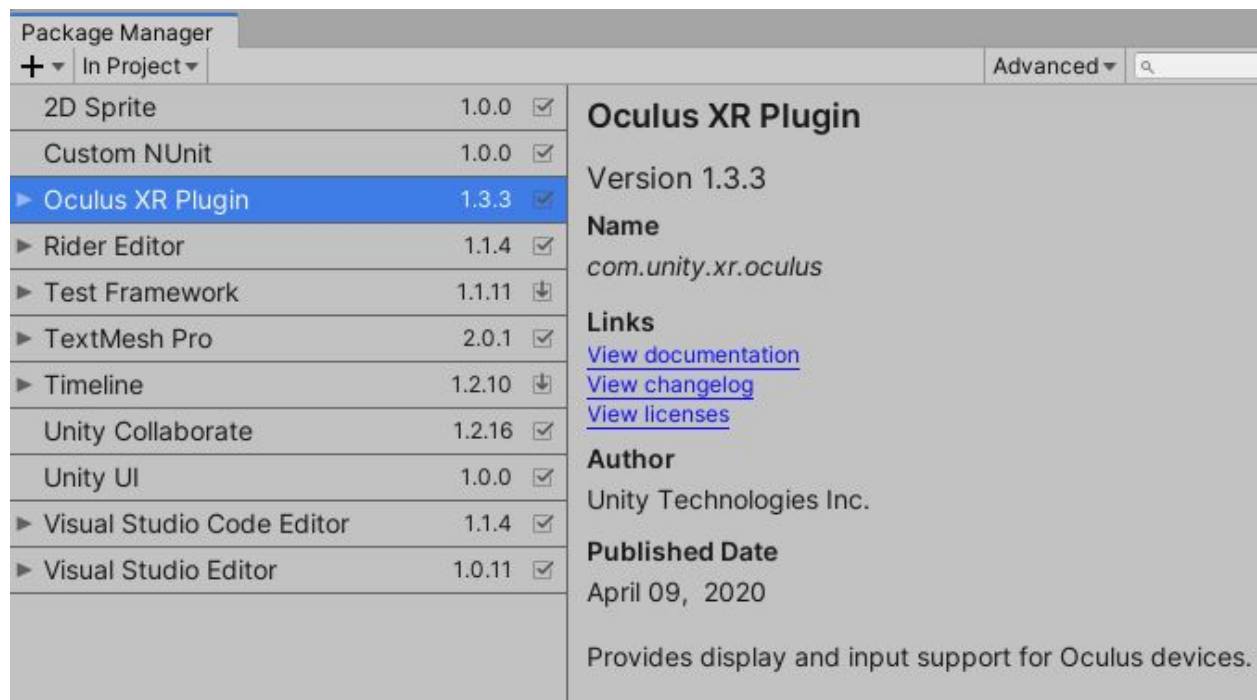
Step 17: build the apk and install it on your oculus quest
Step 18: Test it

More Info

Basic Setup
https://docs.google.com/document/d/1UOF1h5Q_wh-Wp9g6g5z7wgea03v5jkIz3Pr0LJJDXaY/edit?usp=sharing

This test demo is
in Landscape 800x480
Canvas ui must be
Pos X = 0, Pos Y = 0, Pos Z = 517
Width = 800, Height = 400

The purpose of this demo is just to demonstrate the simple usage of Automatic Speech Recognition after this it's all depends on you,

Note: **Inspect, understand all the codes and how they are connected, what is the requirements , dependencies before changing or doing anything.**

Automatic Speech Recognition Required Libraries
you must have this under Assets/Plugins/Android or else your project will crashed and won't work

automaticspeechrecognition-release.aar
kaldi-android-5.2.aar
models-release.aar

Required Permissions on Android Manifest

<uses-permission android:name="android.permission.RECORD_AUDIO" />
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />
<uses-permission android:name="android.permission.READ_EXTERNAL_STORAGE" />
<uses-permission android:name="android.permission.READ_INTERNAL_STORAGE" />

Note: when you run the apk on your oculus quest you must accept all the permissions
or else it will not work or it will just crashed

Working Demo APK download and install it on your Oculus Quest
https://drive.google.com/file/d/1ZdXbiowshI8HKFAHTKhECOr6FJqOSQmb/view?usp=sharing