

IMPORTANT:

Please read the following contents carefully to run HKU Cinema.

*We assume that the android user has a Google account. If not, please register one before running this program.

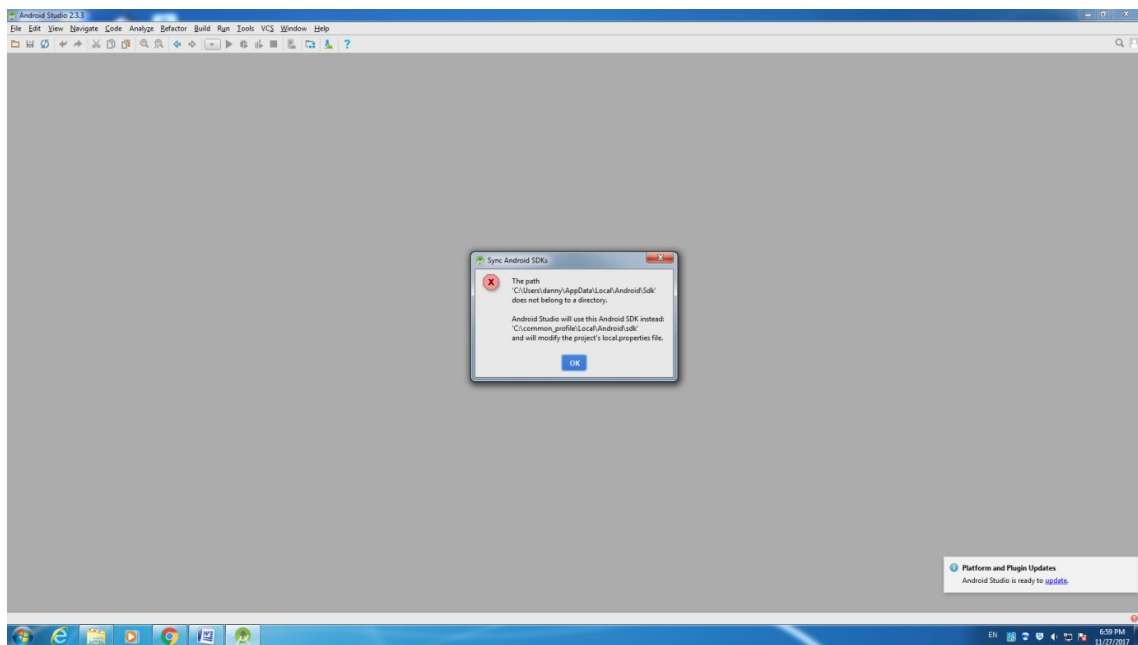
*So when you are creating an emulator, you must choose one that supports Google play store and make sure the emulator can access network.

Procedures:

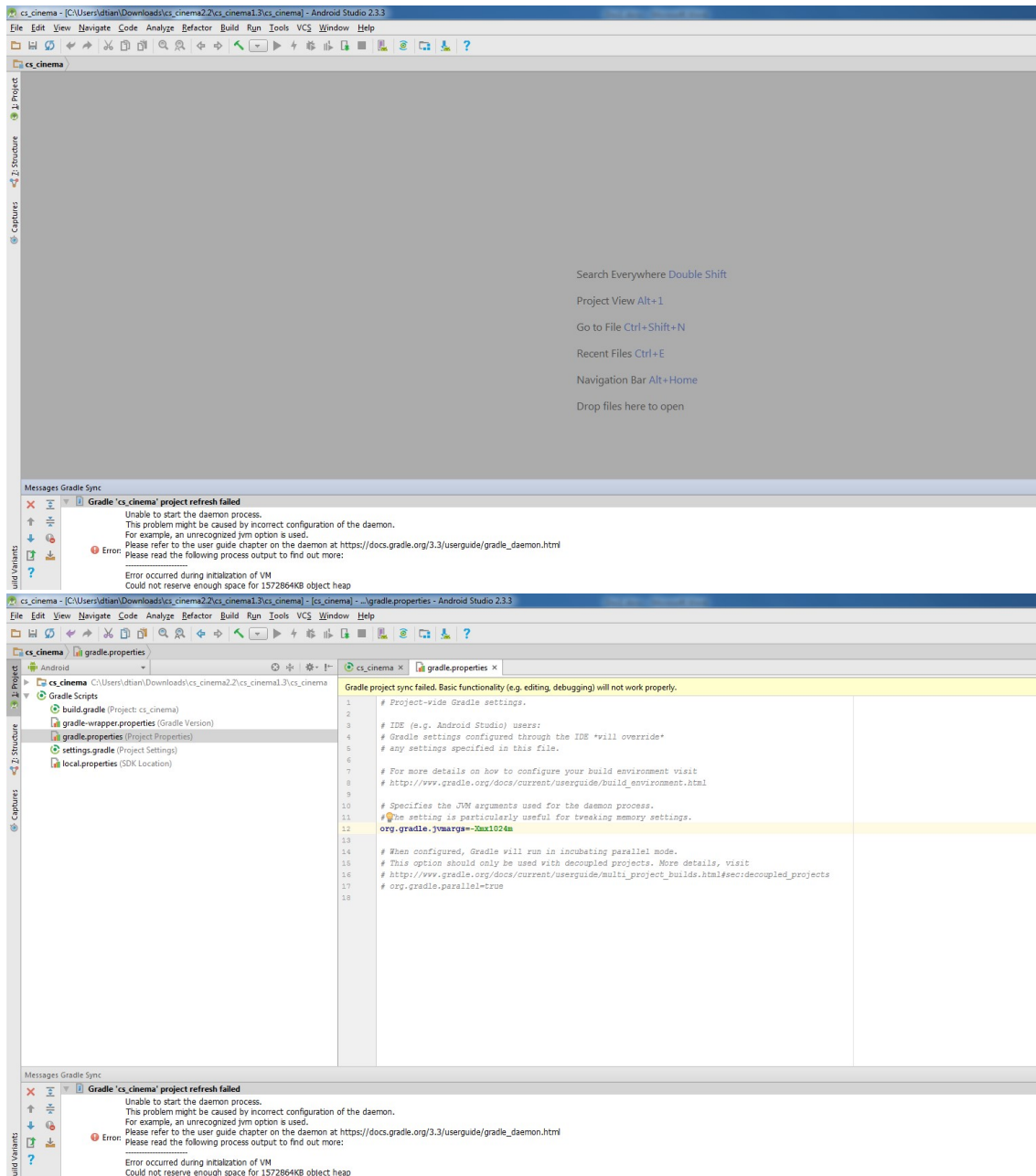
Extract the zip file --> Launch android studio --> Open the program directly (Do not import)

1, Fix some program opening issues:

Click "OK".

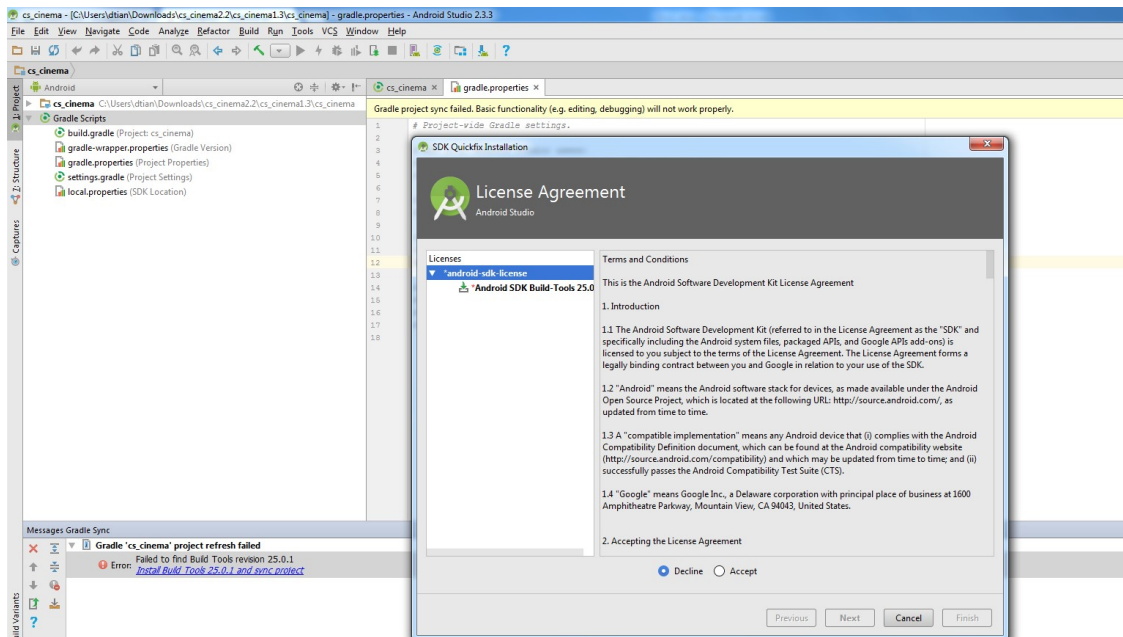


Project --> Gradle Scripts --> gradle.properties --> change the number behind Xmx to 1024

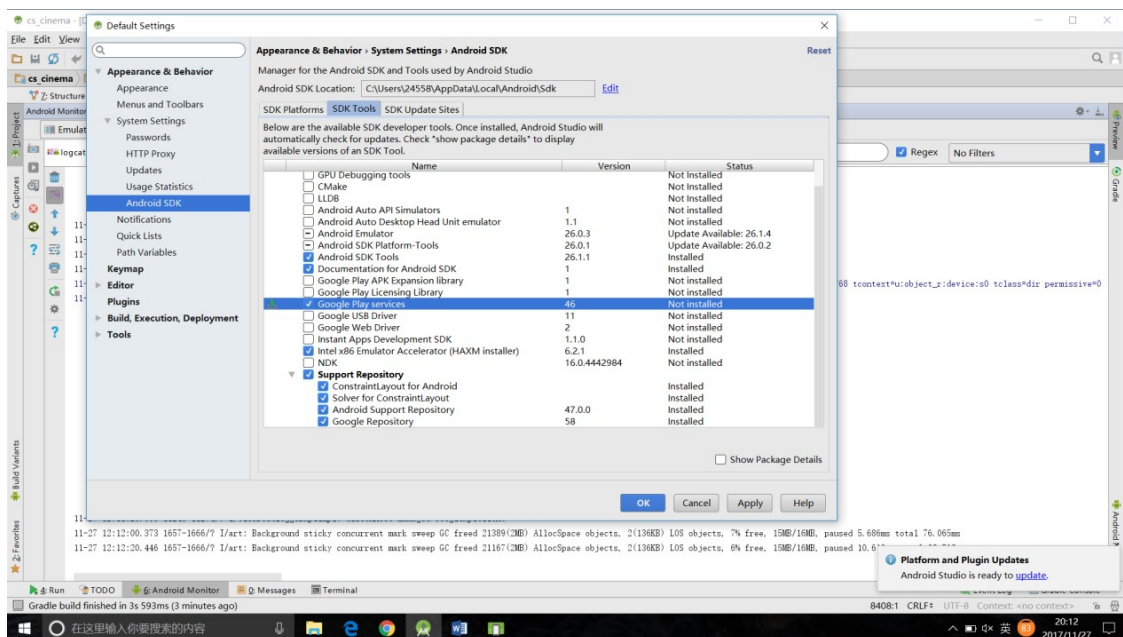


Click "Install Build Tool 25.0.1 and sync protect" --> Select "Accept"

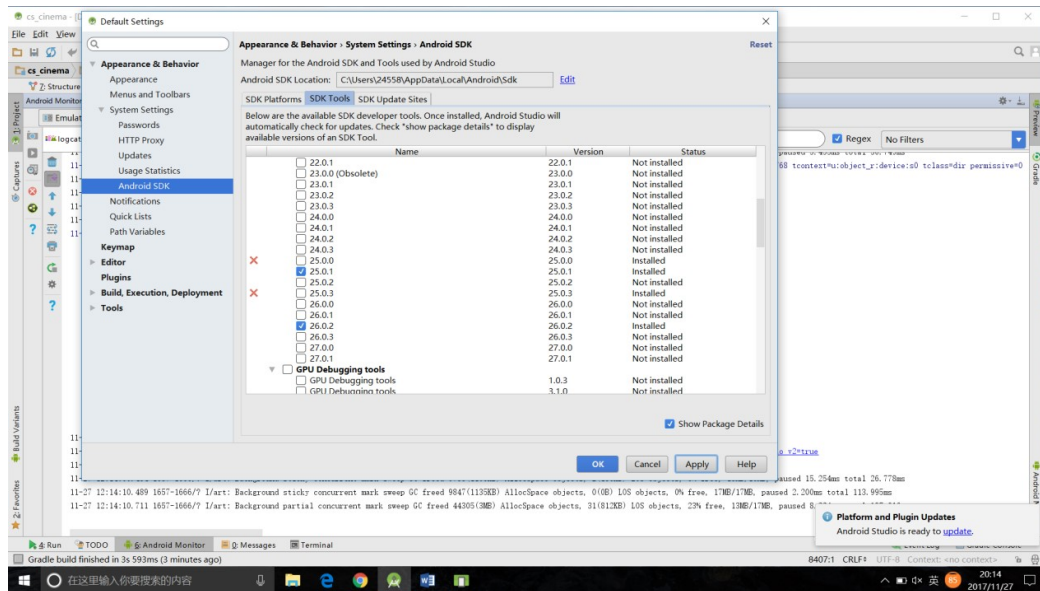
--> Install Build Tool 25.0.1



Go to "SDK Manager" --> Select "Android SDK" --> Install "Google Play Service"



Install " Android SDK25.0.1"



All the issues are fixed under normal circumstances. If not, please contact us.

2, Fix the Google API settings:

(1) Get SHA1 keystore.

In "Android Studio",

Click "File" --> "Projects Structure" --> Choose label "app" and "signing" --> Press "+" to add an signing account --> Type properties as followed:

Alias: *androiddebugkey*

Storepass: *android*

Path: *C:\Users\username\.android\debug.keystore* (Please use your own folded path)

Keypass: *android*

Choose “Build types”, under “Signing Config”, choose “config”.

Open the Command Window and type in your keytool path, and mine is as followed:

```
cd C:\Program Files\Android\Android Studio\jre\bin
```

Then press ENTER

Type in keytool launching program as followed (Please use your own folded path):

```
keytool -list -v -keystore "C:\Users\username\.android\debug.keystore" -alias androiddebugkey -storepass android -keypass android
```

Press ENTER

Copy the highlight strings behind SHA1.

```
选择命令提示符
Microsoft Windows [版本 10.0.15063]
(c) 2017 Microsoft Corporation. 保留所有权利。

C:\Users\24558>...
不是内部或外部命令，也不是可运行的程序
或批处理文件。

C:\Users\24558>cd C:\Program Files\Android\Android Studio\jre\bin

C:\Program Files\Android\Android Studio\jre\bin>keytool -list -v -keystore "C:\Users\24558\.android\debug.keystore" -alias androiddebugkey -storepass android -keypass android
别名: androiddebugkey
创建日期: 2017-10-10
条目类型: PrivateKeyEntry
证书链长度: 1
证书[]:
所有者: C=US, O=Android, CN=Android Debug
发布者: C=US, O=Android, CN=Android Debug
序列号: 1
有效期开始日期: Tue Oct 10 16:56:29 CST 2017, 截止日期: Thu Oct 03 16:56:29 CST 2047
证书指纹:
MD5: 87:0B:22:49:3D:AA:64:30:9D:F7:1B:FF:EB:97:92:C8
SHA1: AC:59:D3:40:26:C8:3C:6D:BD:85:45:A2:35:16:D5:D2:59:FD:F1:D7
SHA256: 8B:23:B6:31:10:CF:0C:CF:B8:4F:D7:8D:49:40:13:7D:8B:15:A4:4D:5A:38:25:DB:58:2A:45:B6:24:0A:78:8A
签名算法名称: SHA1withRSA
版本: 1

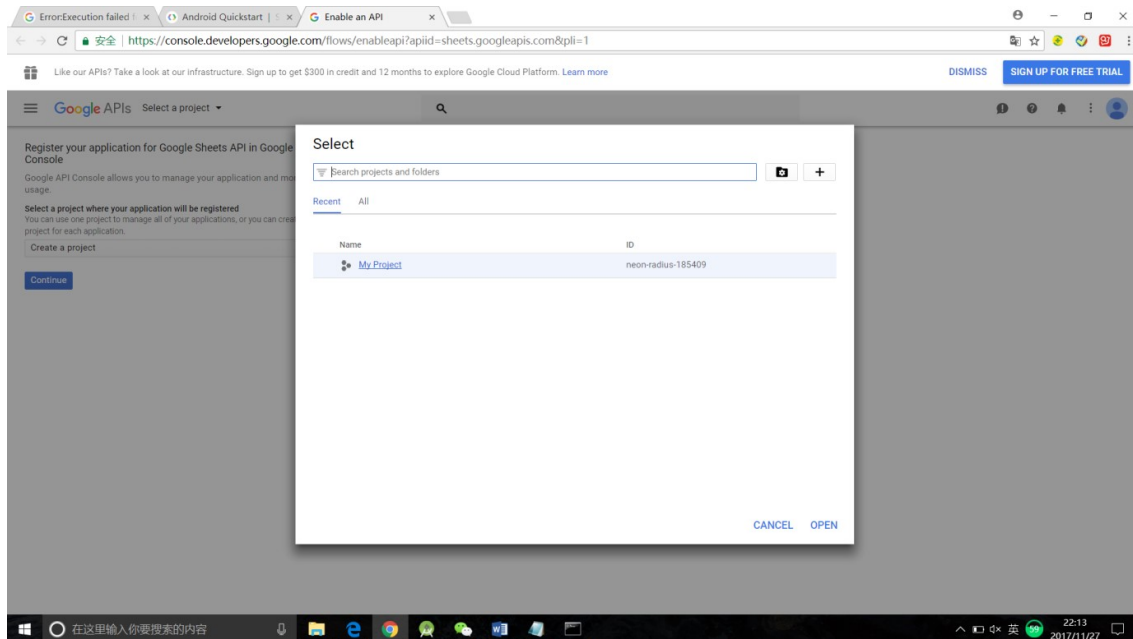
C:\Program Files\Android\Android Studio\jre\bin>
```

Go to the Google API Console; sign in by the public account followed:

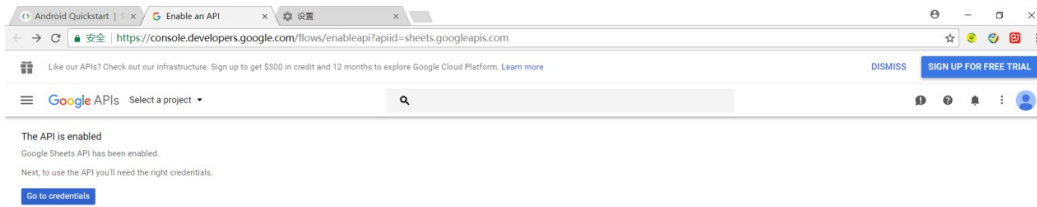
Google account: *hku.cs.cinema@gmail.com*

Password: *u3534777*

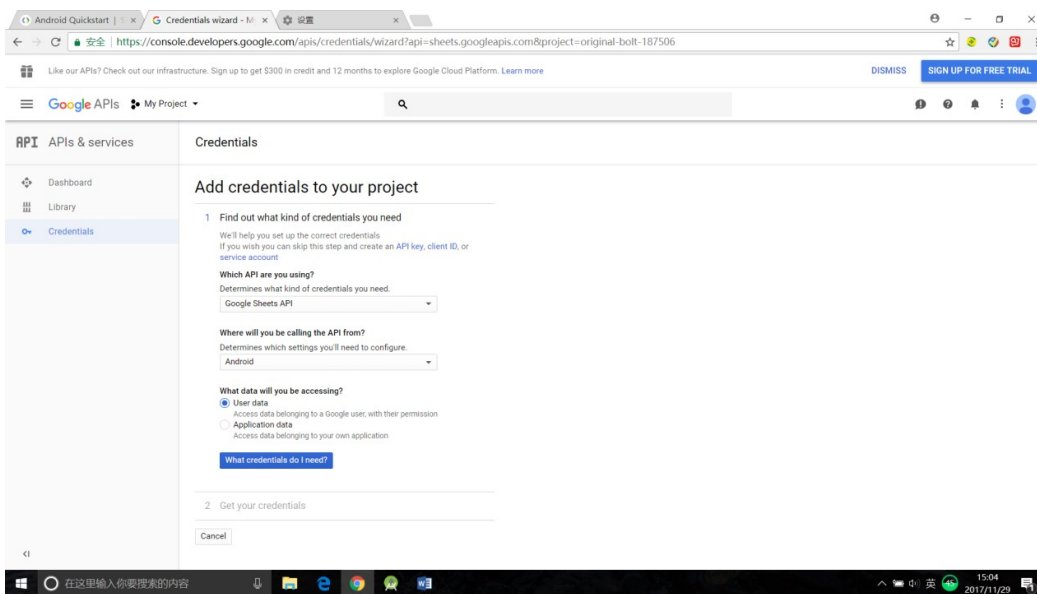
Then create a project.



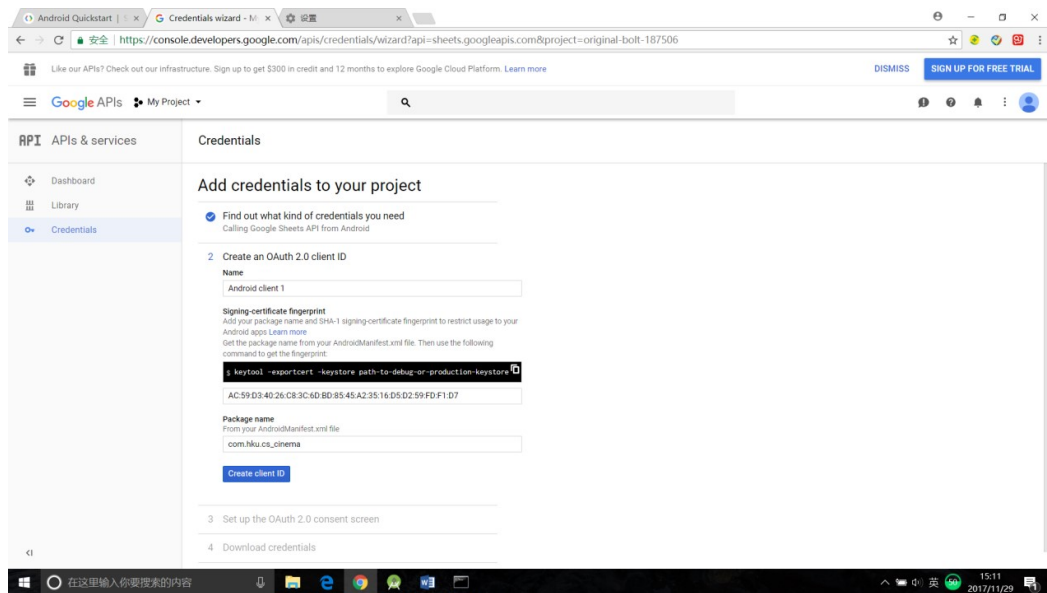
Click on "Go to credential".



Choose “Google Sheet API” under “What API is you using?” --> choose “Android” under “What will you be calling the API from?” --> choose “User data” under “What data will you be accessing?” --> Click on “What credential do I need?”

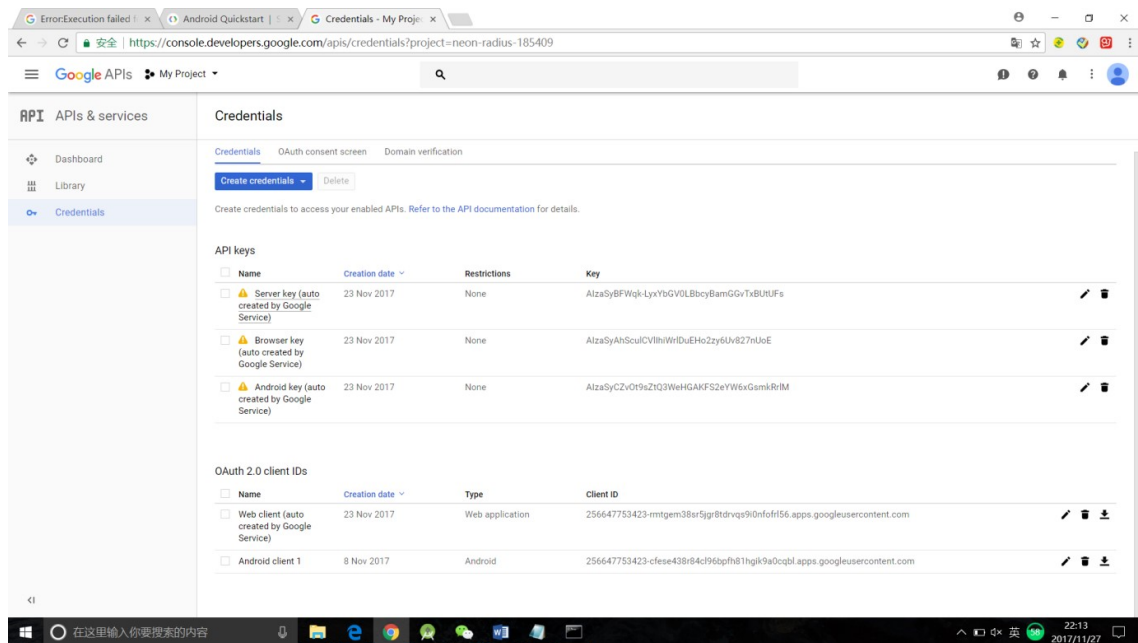


Paste the fingerprint SHA1 you just copied under the “command to get the fingerprint:” --> paste package name “com.hku.cs.cinema” under the “Package name” --> Click on “Create client ID”

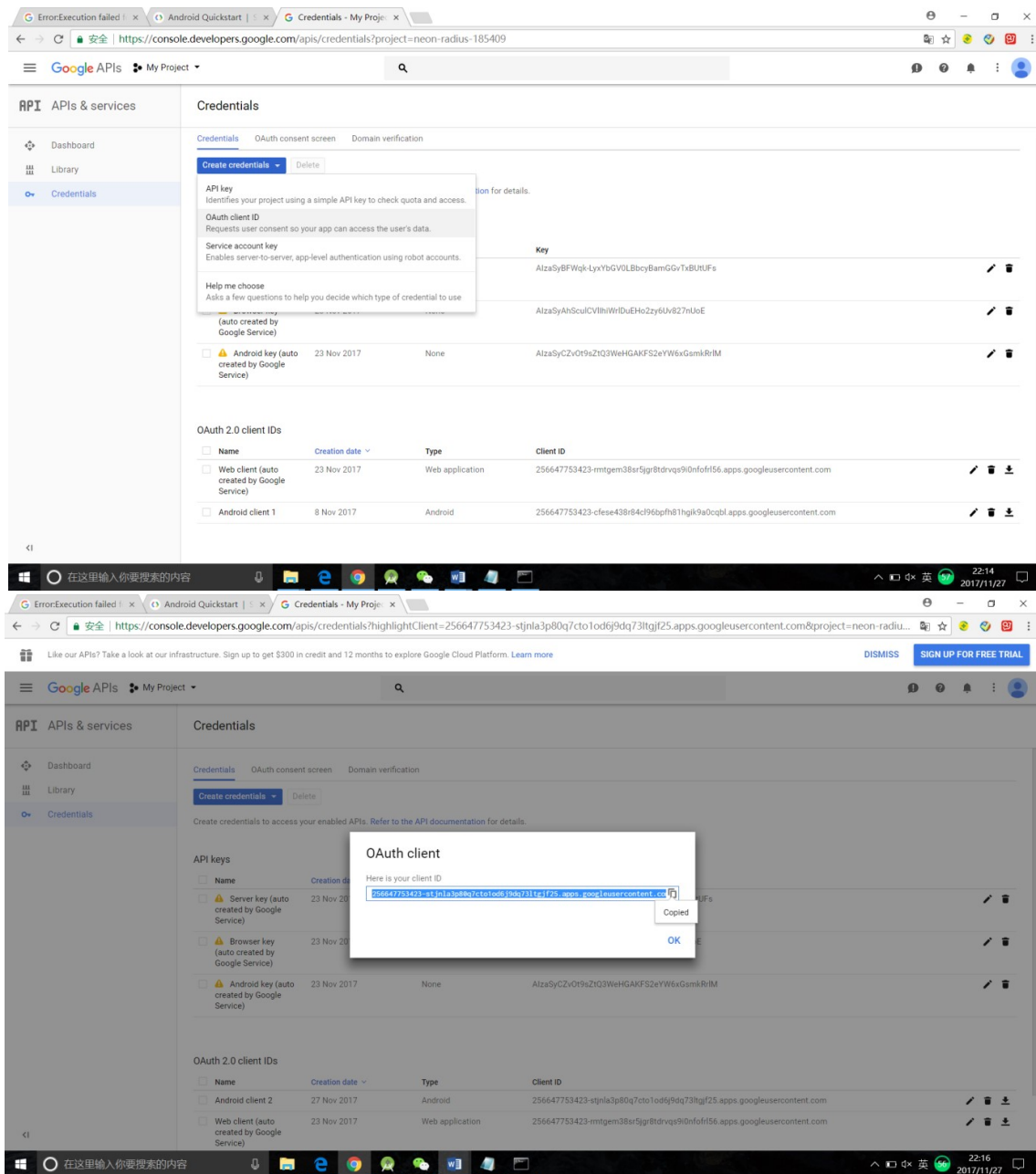


Enter Project name “Android”--> Press “Continue” --> Press “Done”

Then you will see the “Credentials” Page.

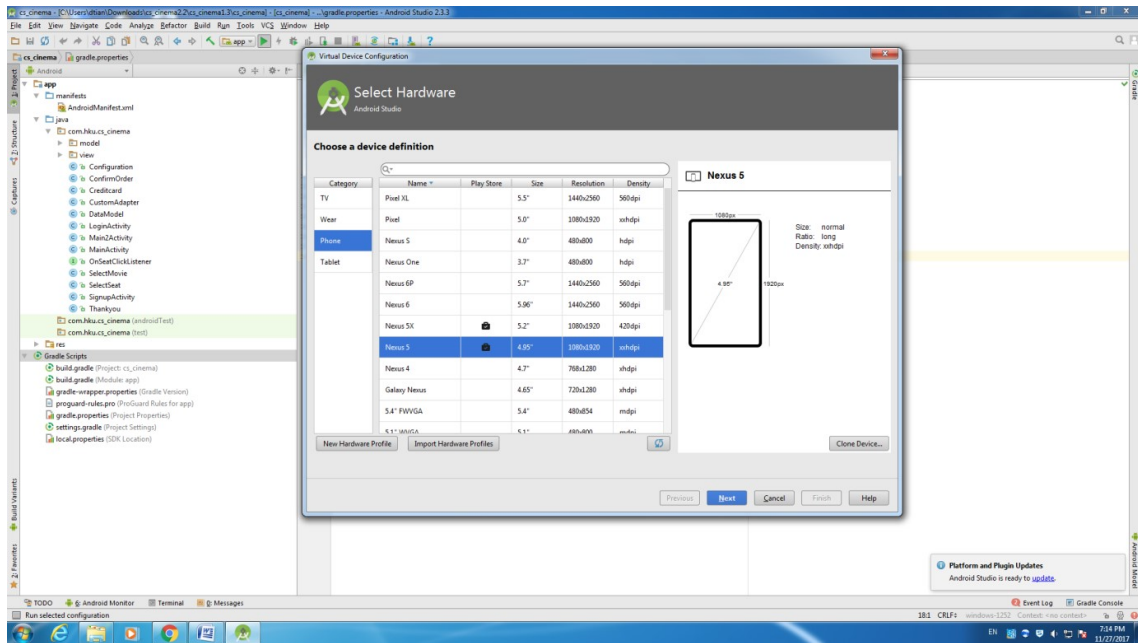


You can also create an OAuth client ID for your clients, but it is not used in this case.



3, Run the program:

Please select the AVD with installed Plat store (Nexus_5 API_25 is the best choice). If you encounter the problem such as app crash, you may create a new Nexus_5 API_25 emulator for running our app again.



You will be asked to enter the Google account and password, enter your own Google account and password not the public one.

Please **DON'T** click return button for the prevention of repeated order.