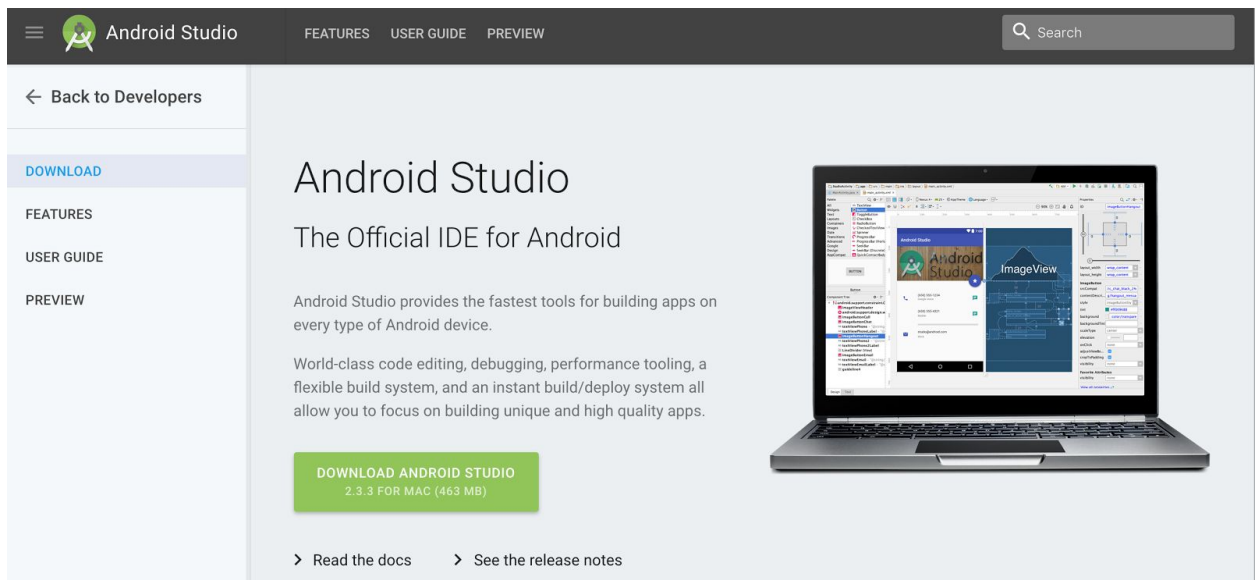


# Installing and Running Campus Mate App on the Android Studio Emulator

## Step 1. Download Android Studio.

- Go to <https://developer.android.com/studio/index.html> and download Android Studio v2.3.3 for your operating system
- For example, for Mac users they will be shown this screen.



- Click on the big green Download button and download the installer

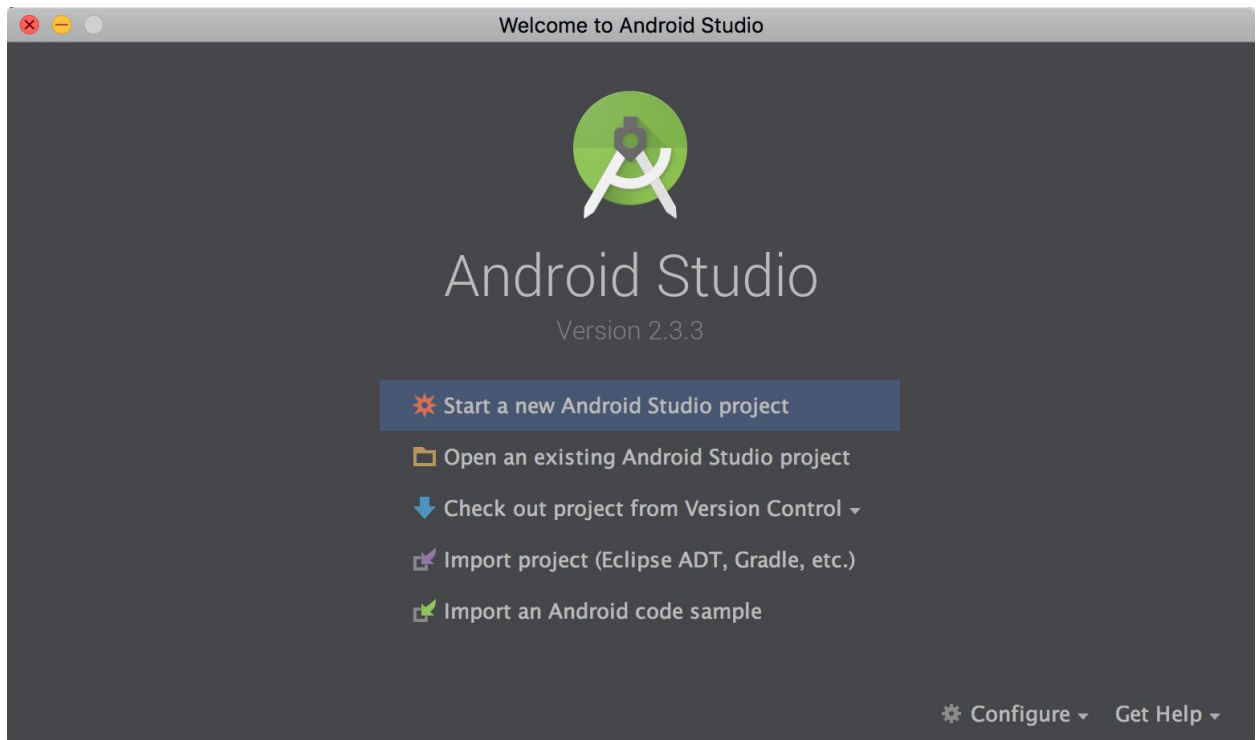
## Step 2. Install Android Studio.

- By clicking on the installer you just downloaded, follow the guided steps to install Android Studio.
- All settings should be left default.

## Step 3. Open Android Studio.

- By clicking on the newly created Android Studio icon in the Desktop, Android Studio will be opened.

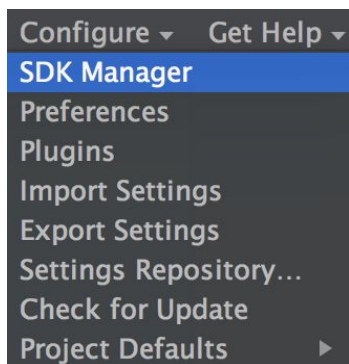
- You will be presented with a similar screen.



- Please ensure that the version of Android Studio is v2.3.3.

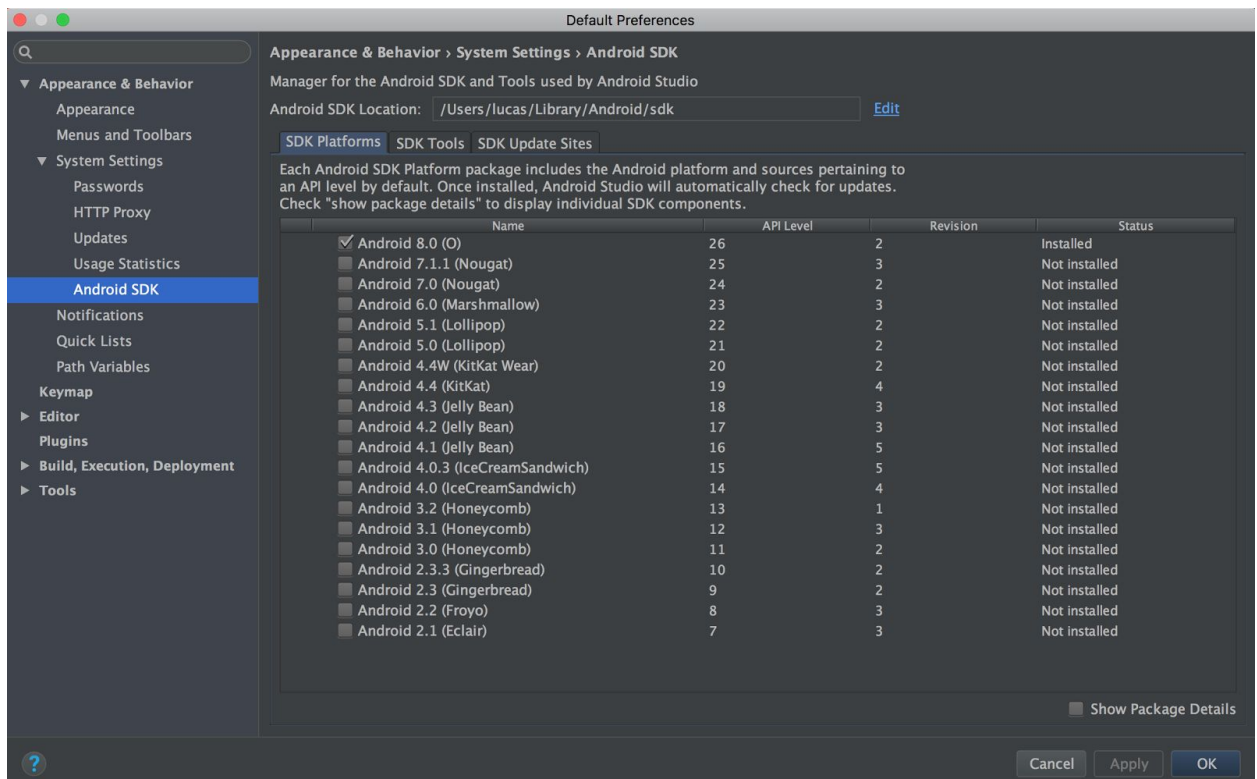
## Step 4. Configuring the SDK Manager.

- Click on Configure, on the bottom right of the screen.
- You will be given a dropdown similar to this image

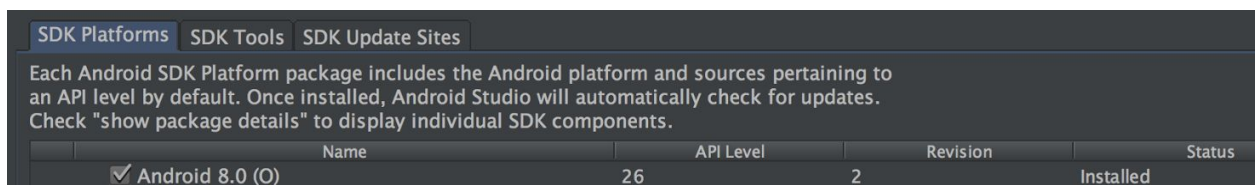


- Click on the first option, SDK Manager

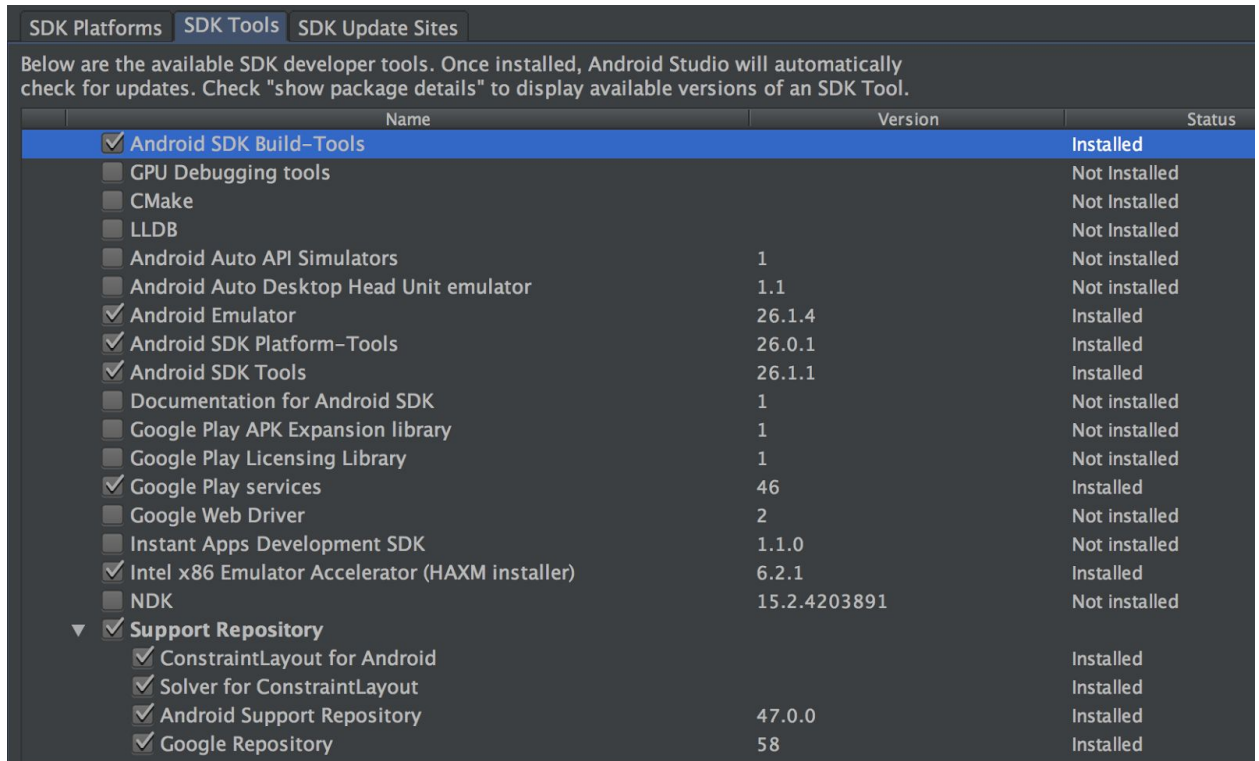
- You will then have another window open up similar to this image.



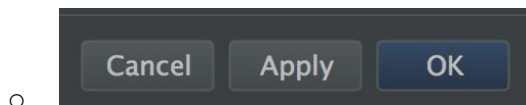
- Looking at the SDK Platforms tab, please ensure that Android 8.0 (O) is checked



- Now go to the SDK Tools tab, please ensure the following is checked
  - Android SDK Build-Tools
  - Android Emulator
  - Android SDK Platform-Tools
  - Android SDK Tools
  - Google Play Services
  - Intel x86 Emulator Accelerator (HAXM Installer)
  - Support Repository
    - ConstraintLayout for Android
    - Solver for ConstraintLayout
    - Android Support Repository
    - Google Repository
- If possible, please ensure that the versions are the same too

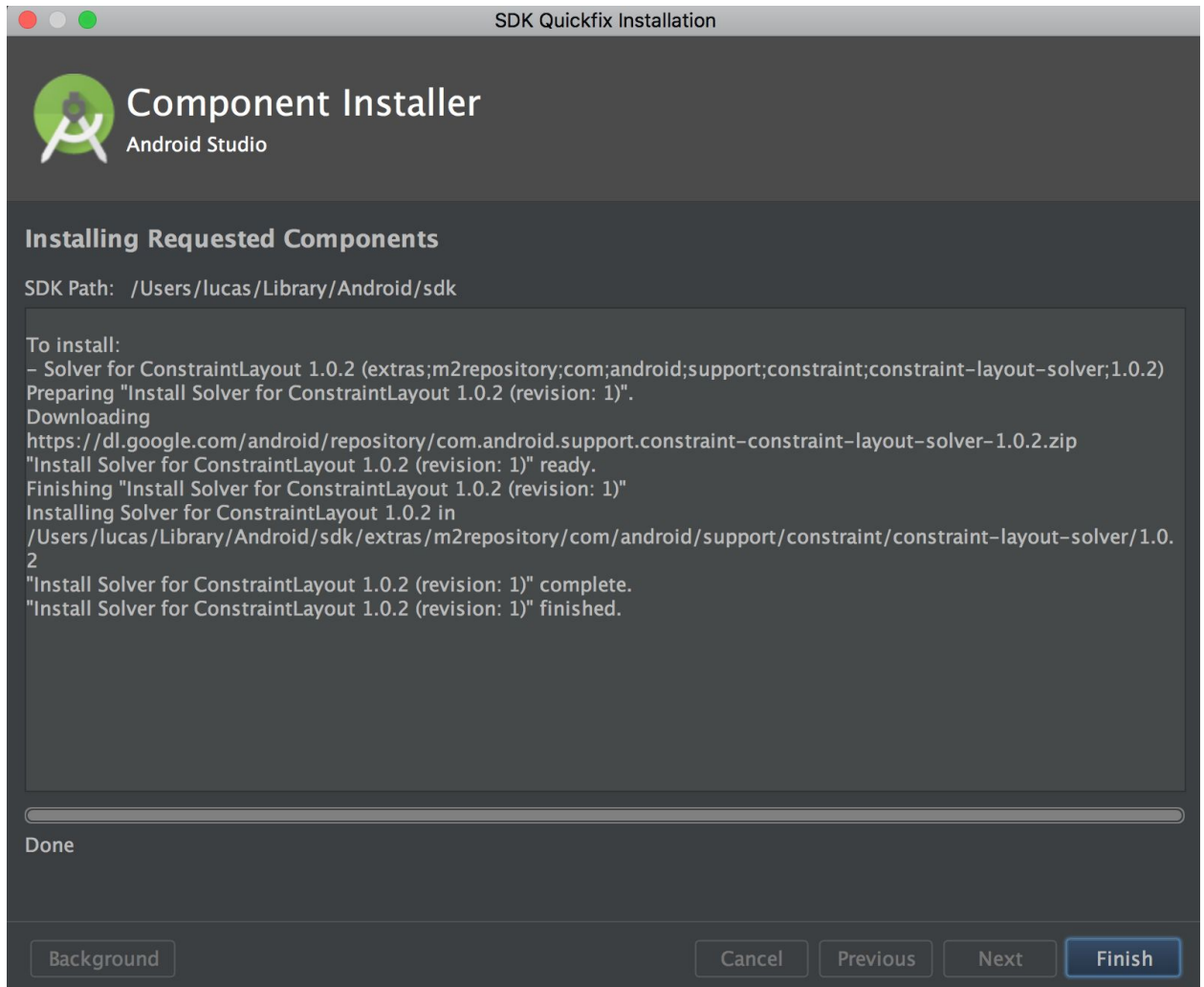


- After all the required items are checked, click the OK button.



- Android Studio will begin installing any not installed items, please wait till its finished.

- After it's finished installing, indicated by the 'Done' text on the bottom left of the screen, click the Finish button



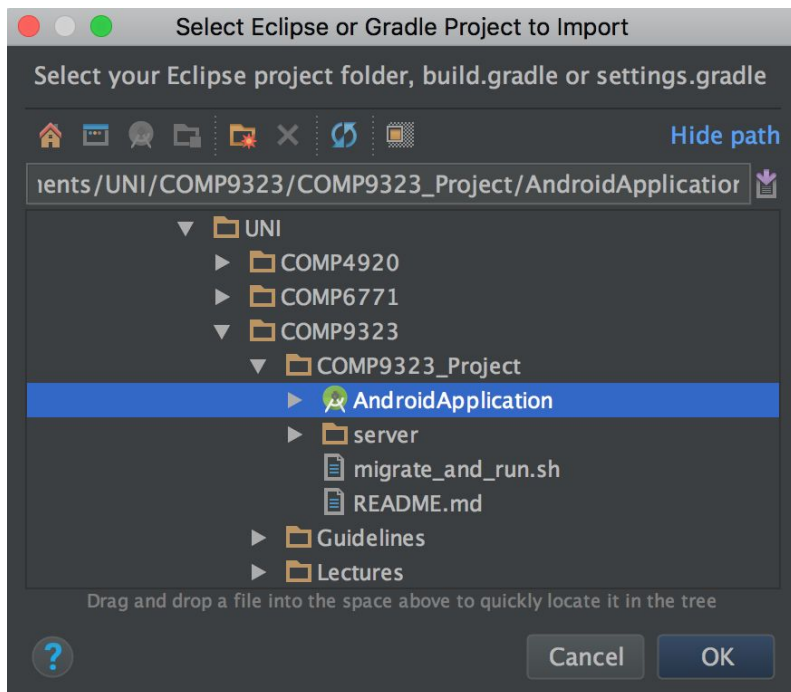
- Now we are ready to run the app.

## Step 5. Import Campus Mate project into Android Studio.

- Click on the Import Project (Eclipse ADT, Gradle, etc.) button.



- Locate the location of the folder "AndroidApplication".

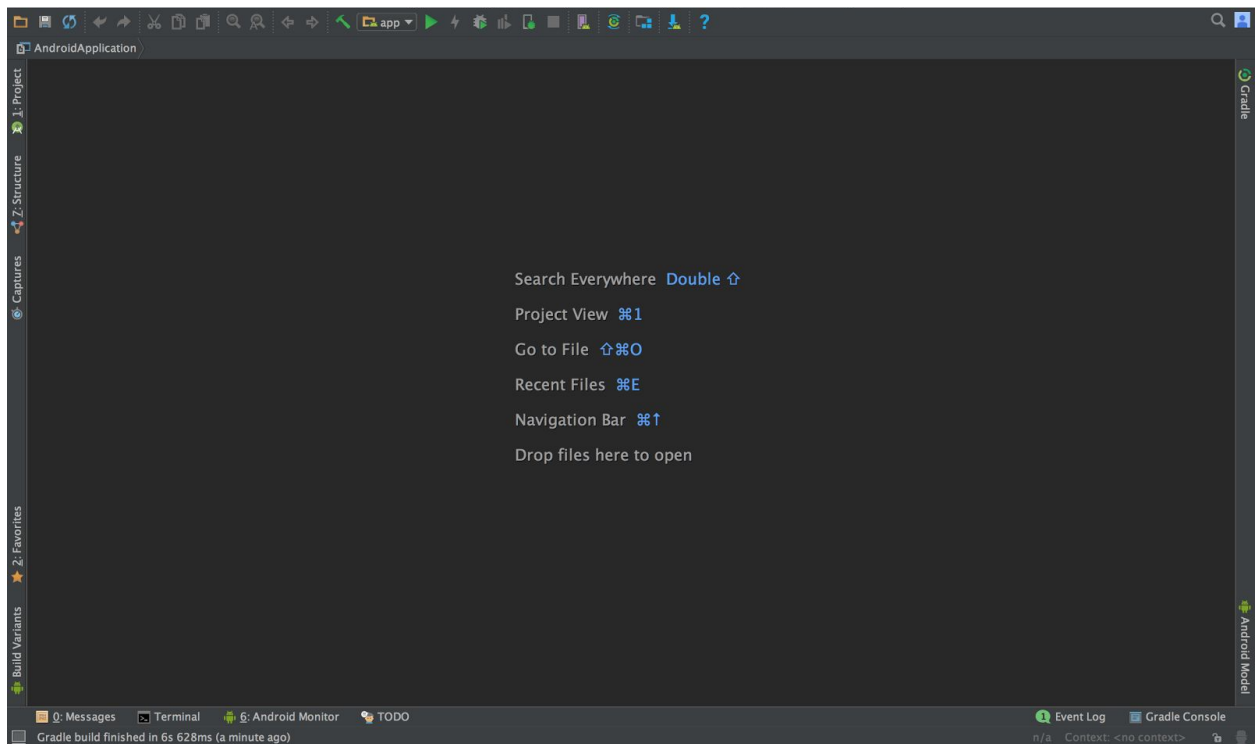


- Clicked on OK.

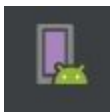
- Android Studio will now build the project and install any project dependencies via Gradle

## Step 6. Setting up an Android Virtual Device

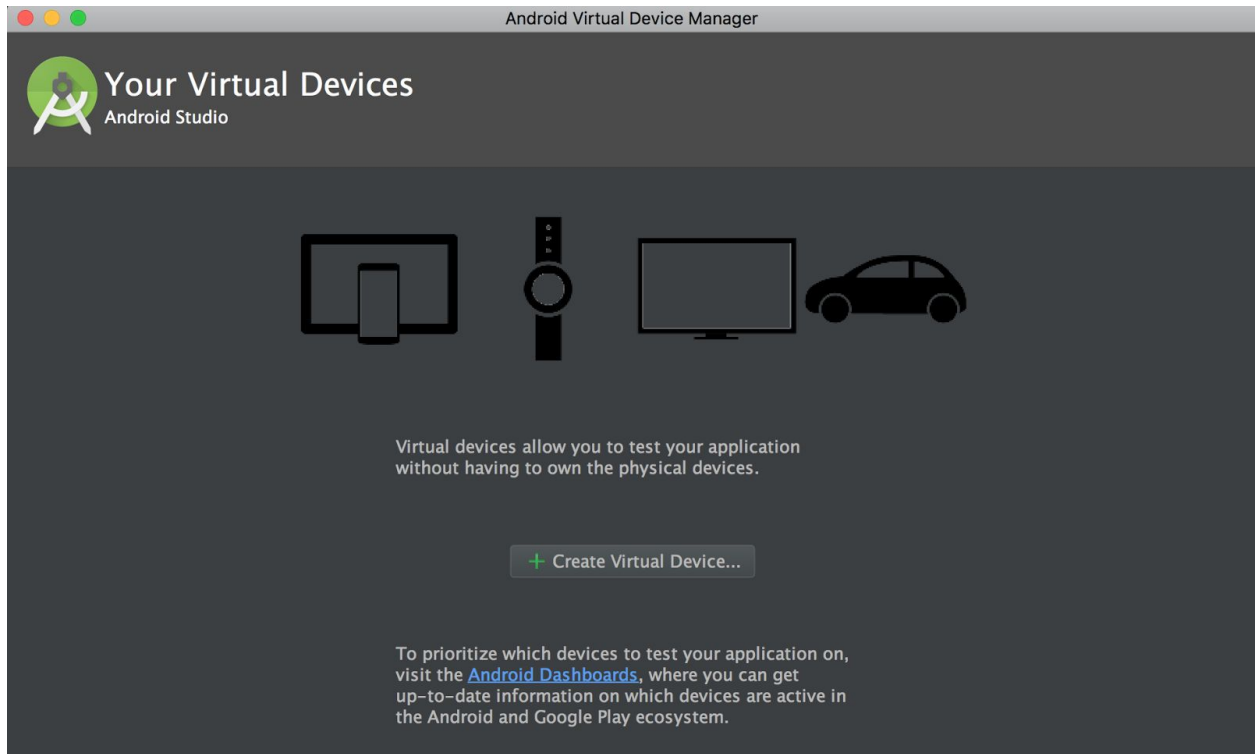
- After Android Studio has finished importing the project, you will be shown this screen



- Click on AVD Manager on the toolbar above, with the icon



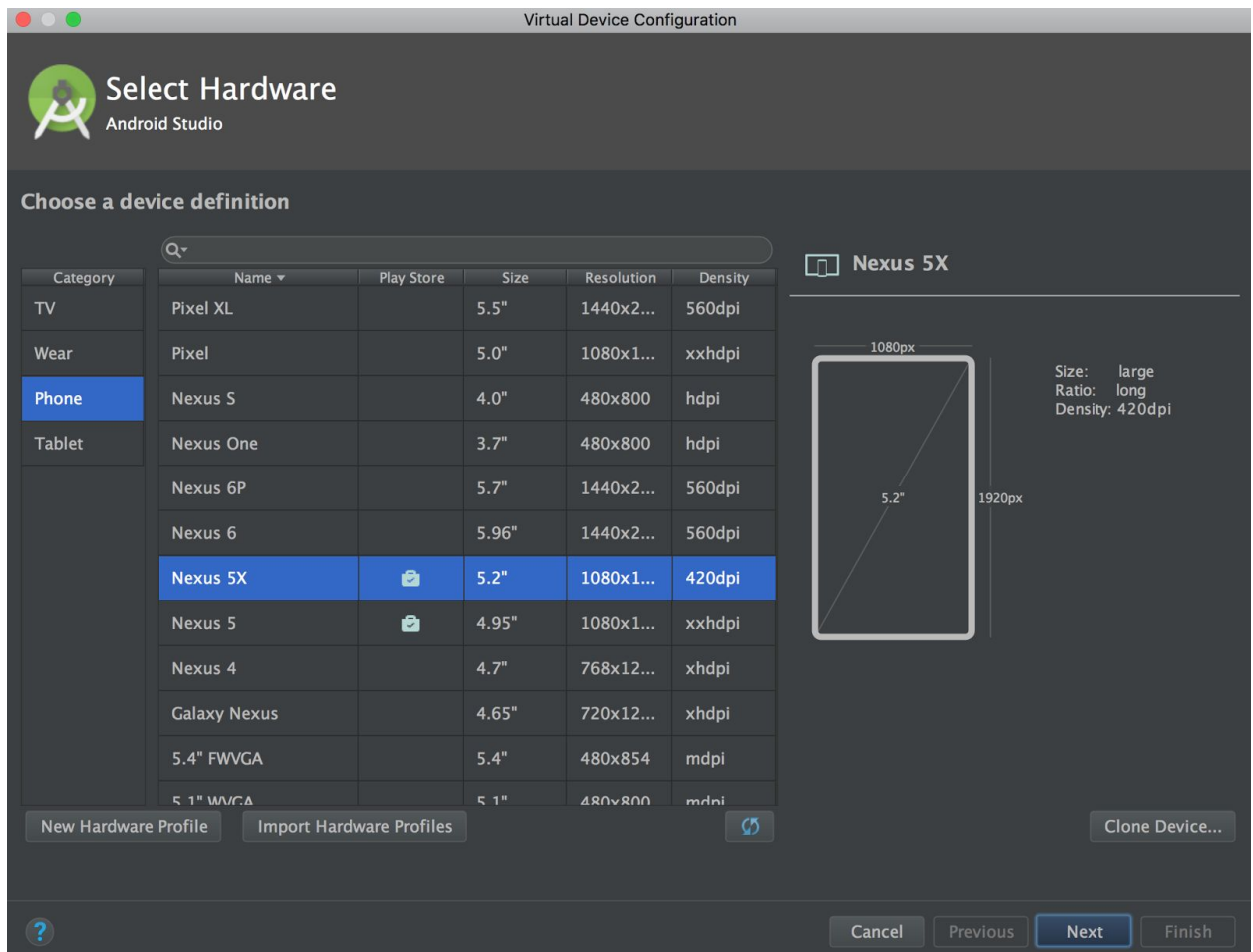
- A new window will show up similar to this screen.



- Click on the “Create Virtual Device...” button

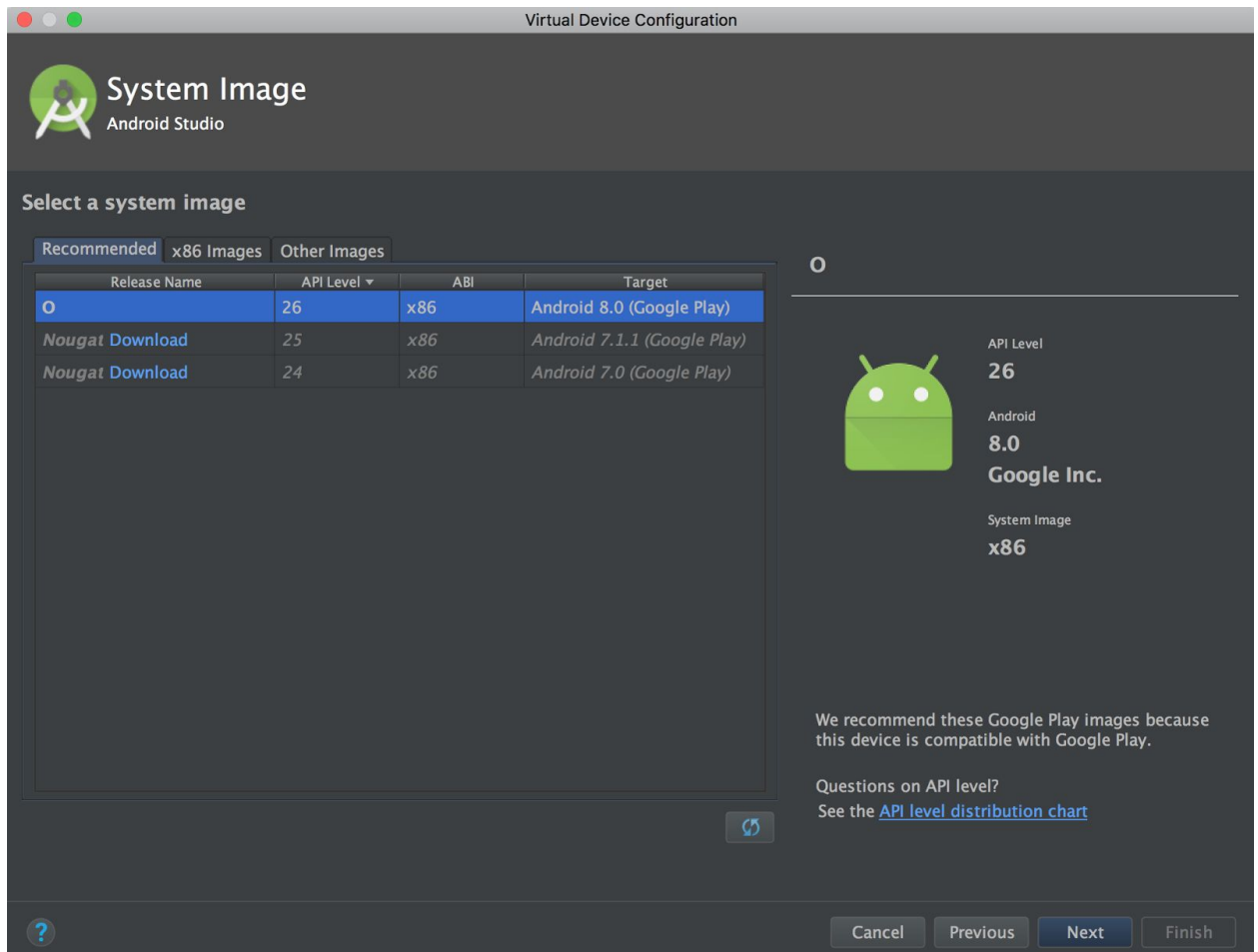


- Ensure that Nexus 5X is selected, then clicked the Next button

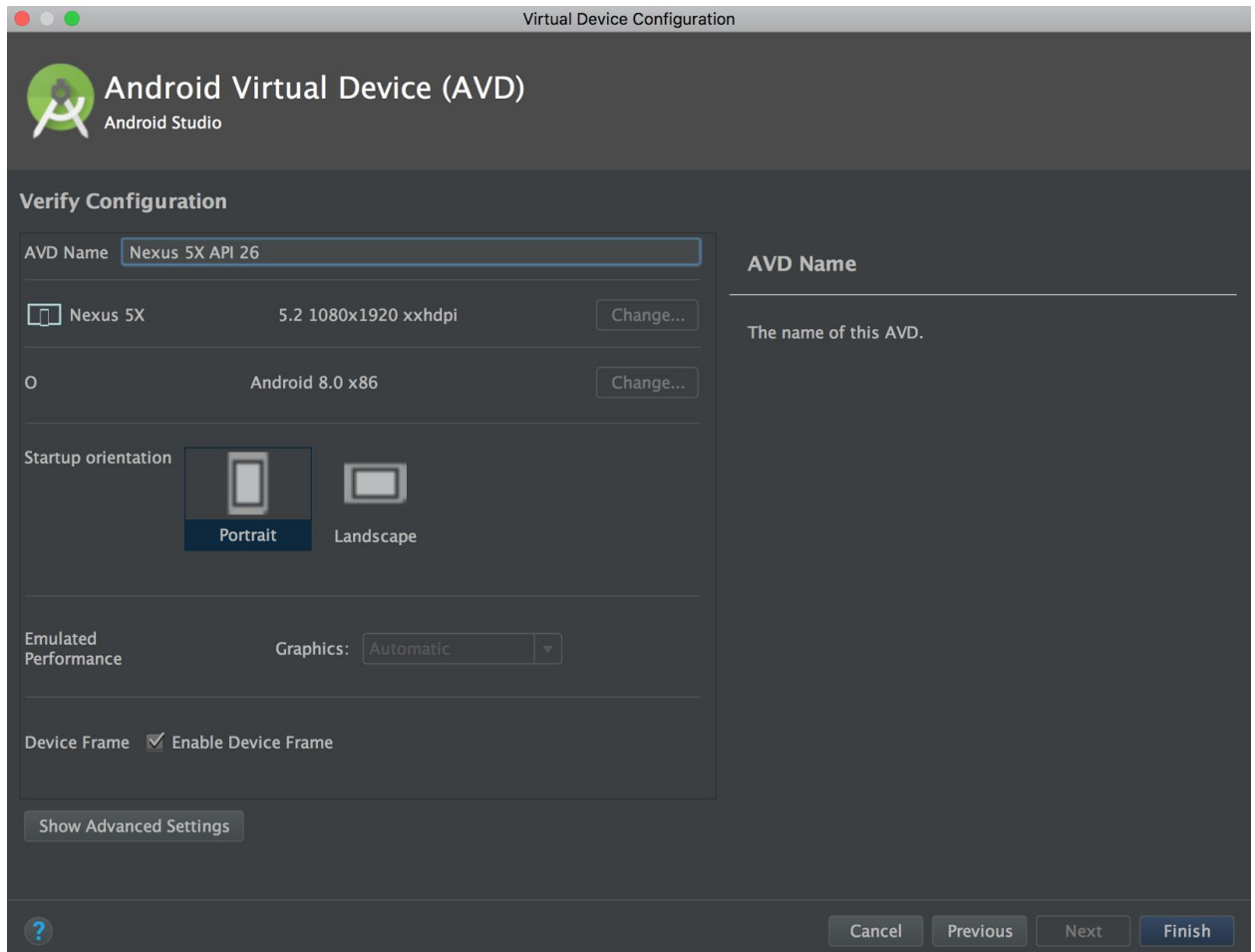


- Now ensure that O is selected. If O has a Download button next to it, then click on the Download button, when the installation is finished, click the Finish button.

- Click Next.



- Leave everything on the this screen as default and click the Finish button.



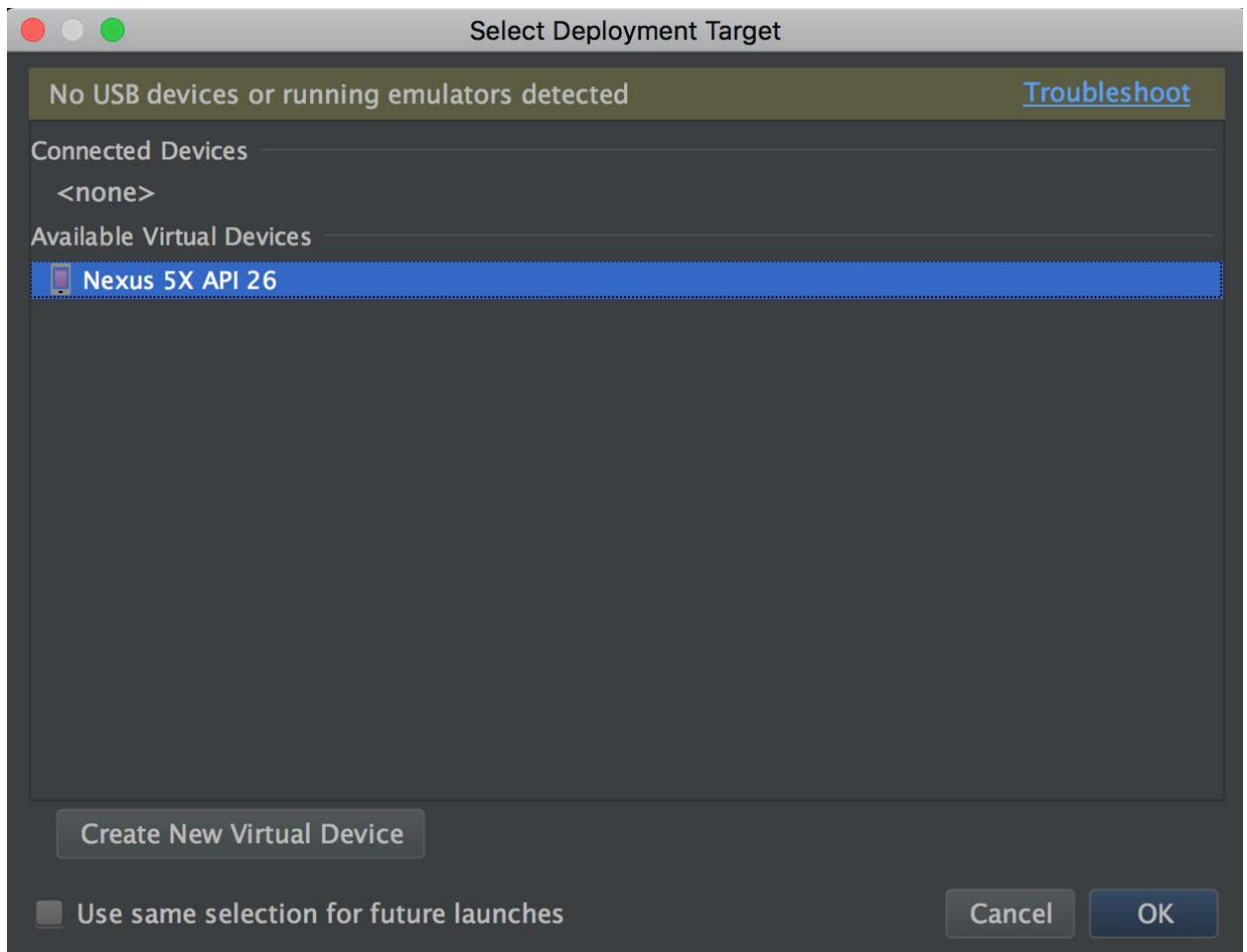
- Close the Android Virtual Device Manager window, by clicking the X button on the top of the window.

## Step 7. Running the Campus Mate Application.

- Click the Run button on the toolbar above, with the icon



- Select the Device we just created from Step 6.



- Click OK.
- Now Android Studio Emulator should run, wait till it sets up and the Campus Mate App should run after it's ready.