



UNIVERSITY OF ALBERTA
FACULTY OF SCIENCE
Department of Computing Science

SOFTWARE DESIGN AND ARCHITECTURE

Android Studio Setup Tutorial
Mac

Android Studio Tutorial - Mac Users

Content

1. Download Android Studio (version 3.4.0 or newer):	1
2. Install it.	1
3. Open an existing Android Studio project.	1
4. Create an Android Virtual Device (AVD)	2
5. Run the App	4

1. Download Android Studio (version 3.4.0 or newer):

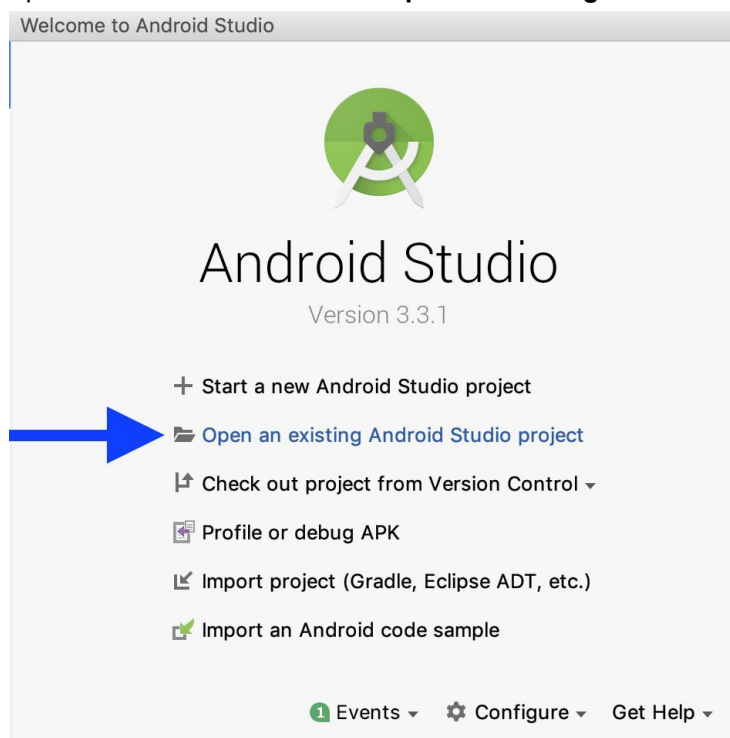
<https://developer.android.com/studio>

2. Install it.

- Leave the Android SDK and Android Virtual Device boxes checked -- they are necessary.
- It may take a while for the program to install.
- If asked to import settings from a previous version/setup, ignore and continue with the setup.

3. Open an existing Android Studio project.

- Open Android Studio and click **“Open an existing Android Studio project”**



- Navigate to the app and select it.

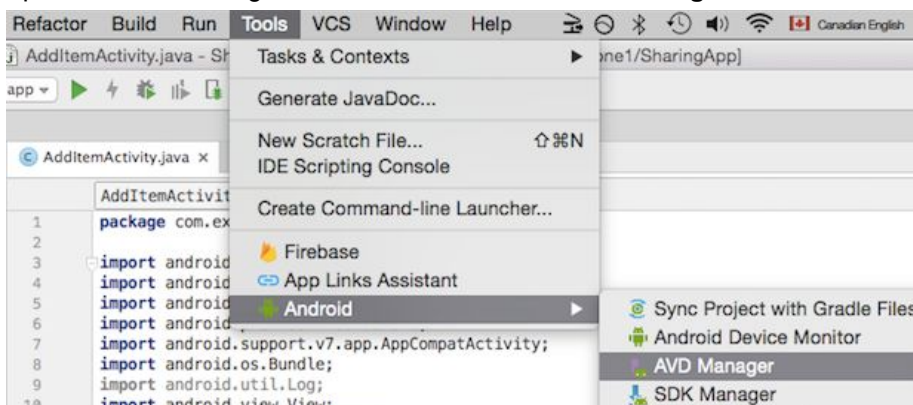


- Once you click **OK** it will start 'Building "SharingApp" Gradle project info', which may take a few minutes to complete.
- You may need to download or update Java -- Android Studio will let you know when you try to build the project.
- Update everything it prompts you to update.

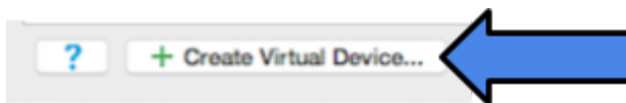
4. Create an Android Virtual Device (AVD)

Next you will need to **create an Android Virtual Device (AVD)** i.e., an android emulator.

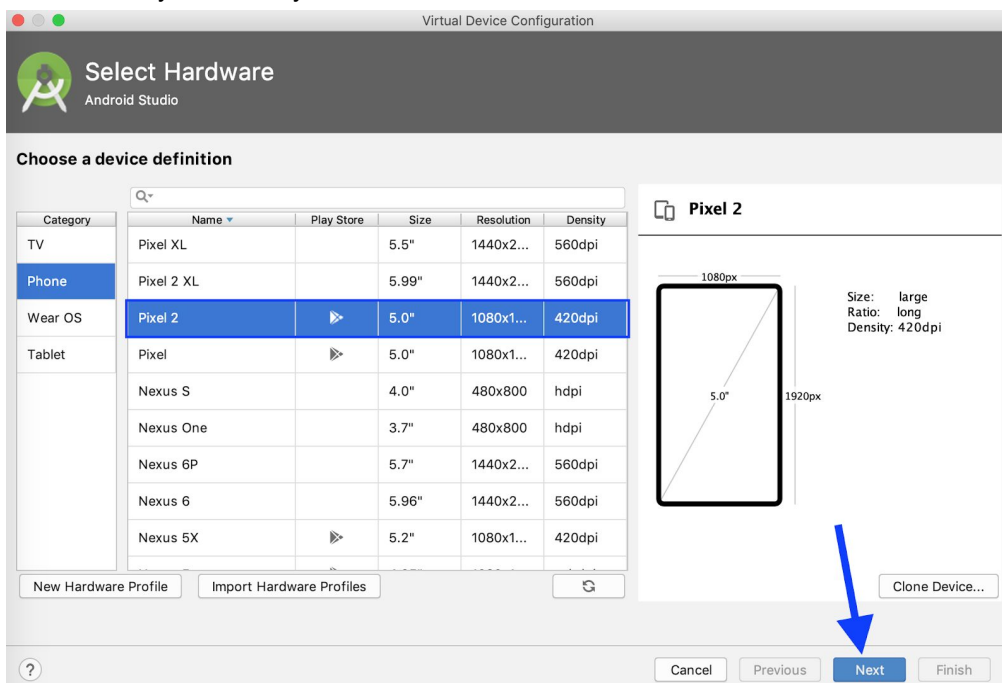
- Open the AVD Manager: **Tools** → **Android** → **AVD Manager**



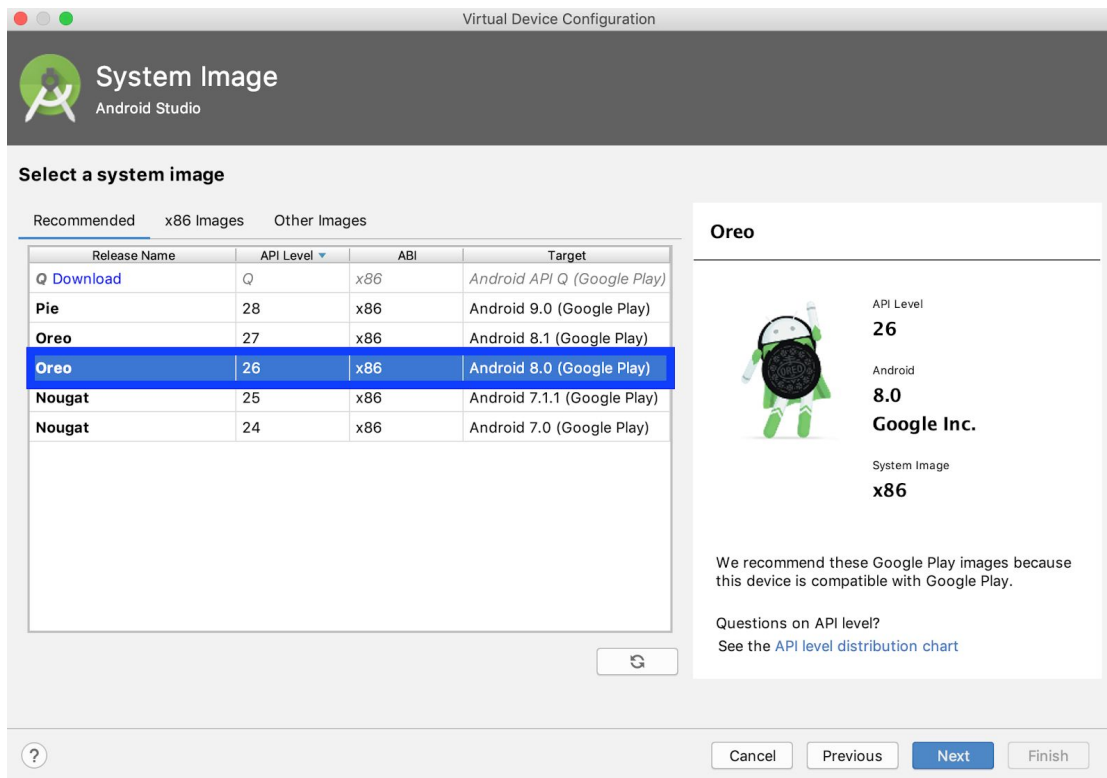
- Click **Create Virtual Device**



- Select the any device of your choice - here we use **Pixel 2**; click **Next**



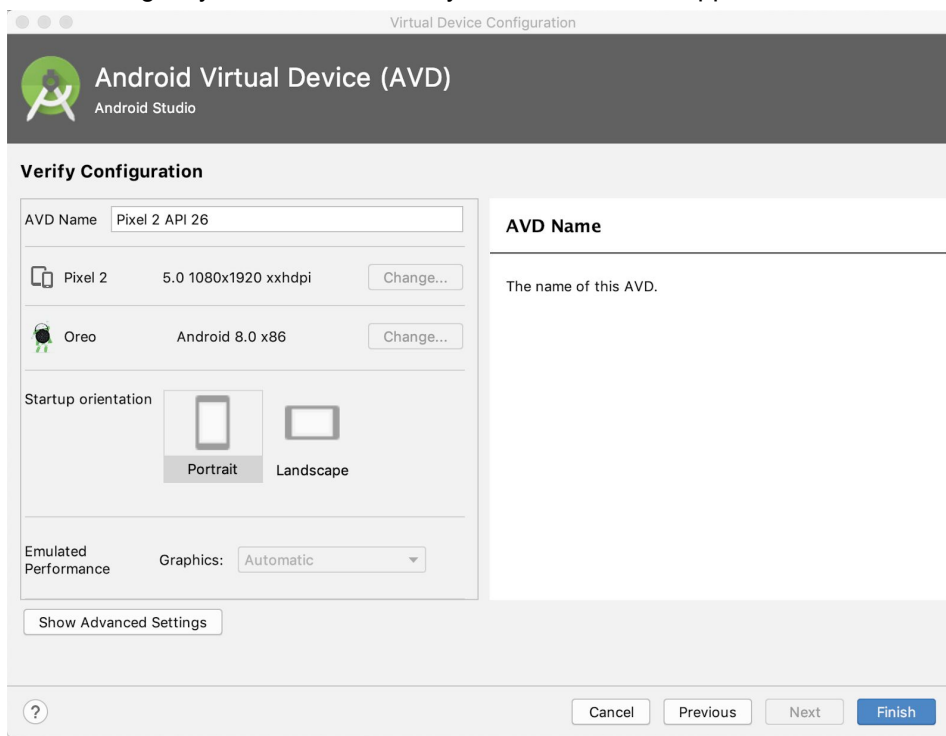
- Select **Oreo** - API level 26 (or below).



- You may have to download this first and this may take a while.



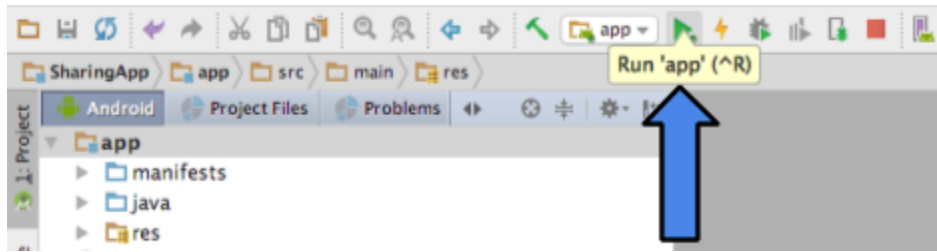
- It will prompt you to give it a name to identify it. The name will have no effect on how the program runs, as long as you know which one you need to run the app.



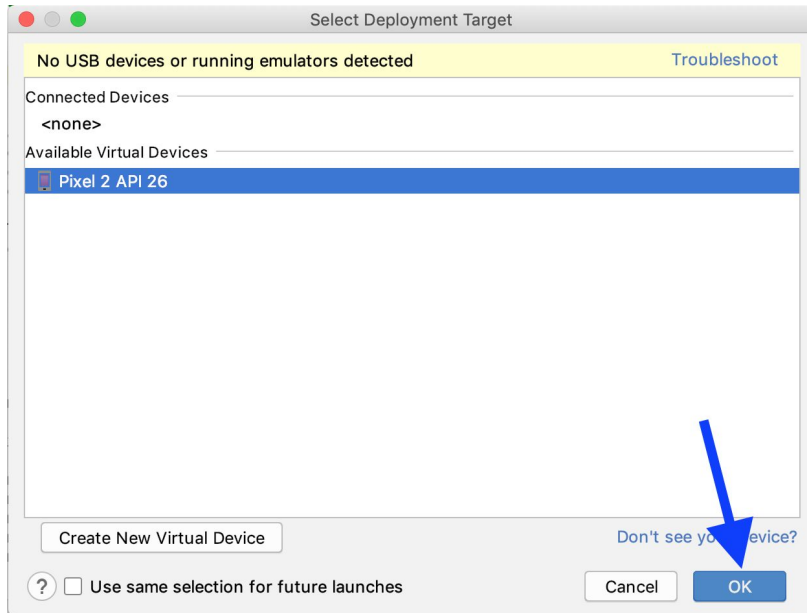
- Click **Finish** when this is complete.

5. Run the App

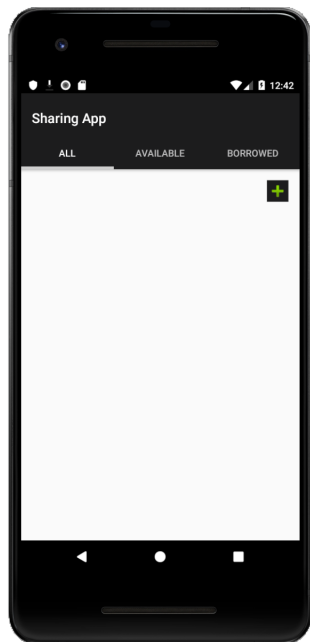
- Click the **play button** to run the app.



- Select the emulator from the list and click **OK**. The emulator takes a while to load, install and run your app. Be patient!



- Eventually your emulator will finish loading and the app will start:



Congrats, you can now start programming in Android Studio! Play around with the app to see how it works!

