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):
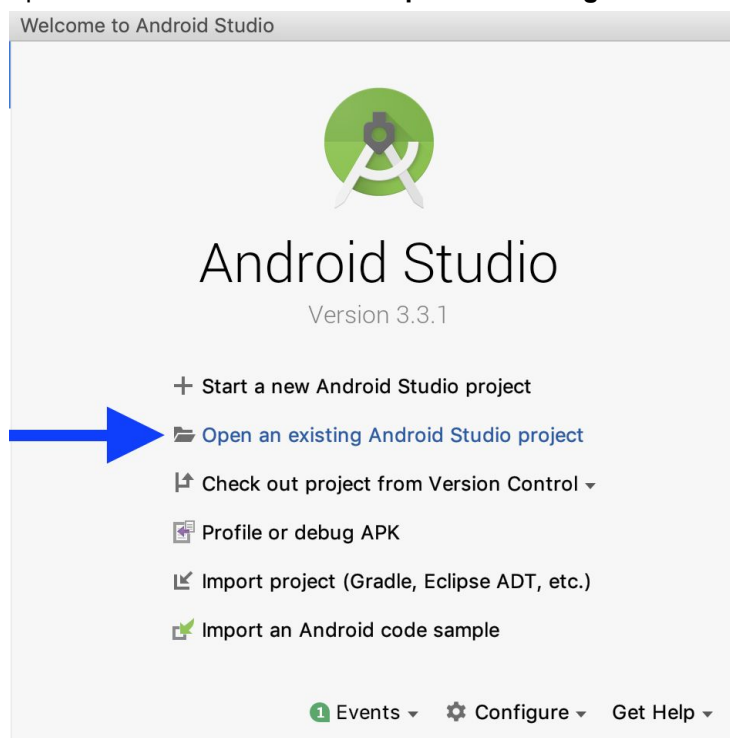
https://developer.android.com/studio

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"**
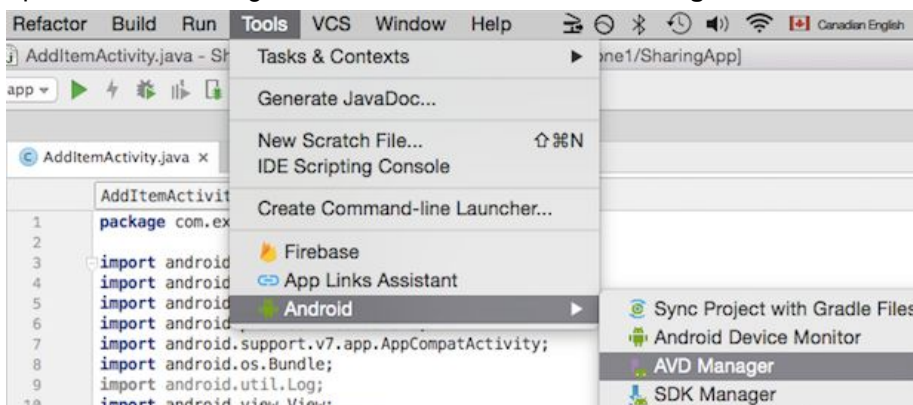
- Navigate to the app and select it.

- 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.
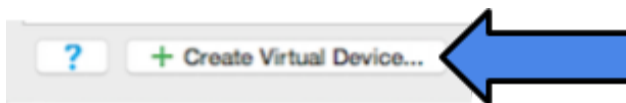- Update everything it prompts you to update.

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4. Create an Android Virtual Device (AVD)

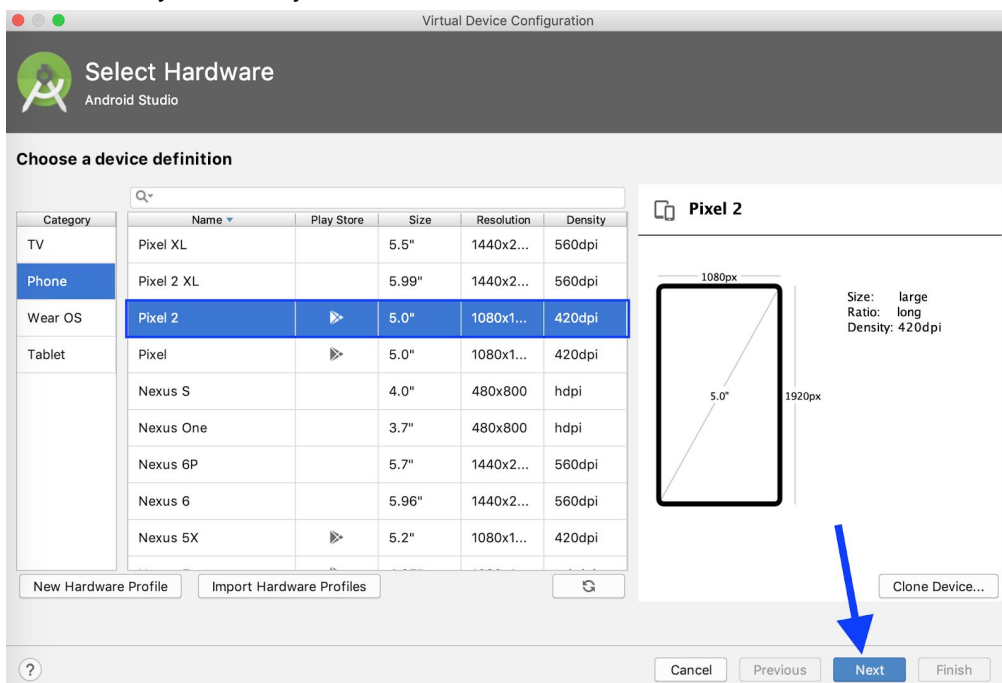Next you will need to **create an Android Virtual Device (AVD)** i.e., an android emulator.
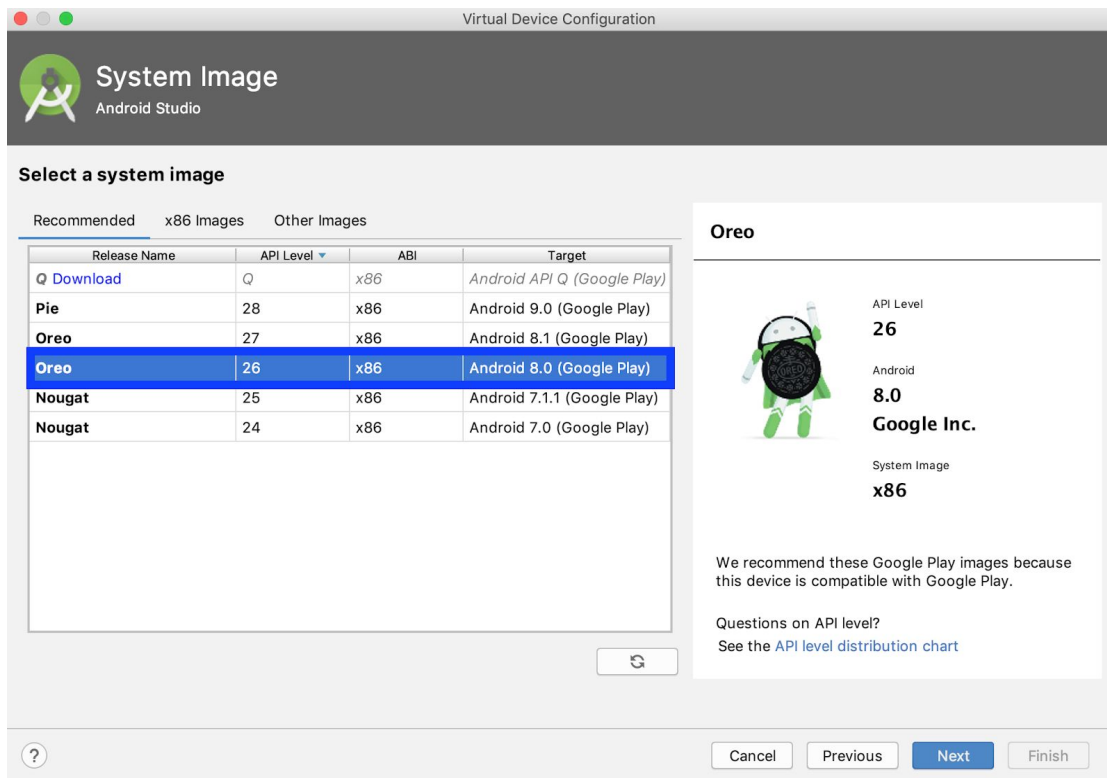- Open the AVD Manager: **Tools → Android → AVD Manager**

- Click **Create Virtual Device**

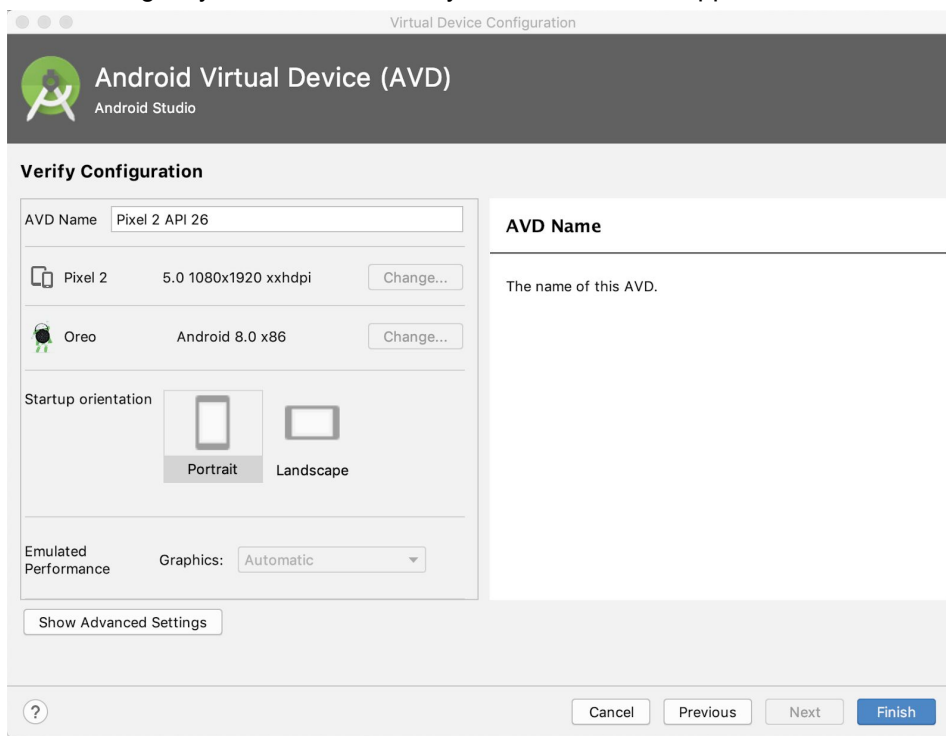- Select the any device of your choice - here we use **Pixel 2**; click **Next**

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

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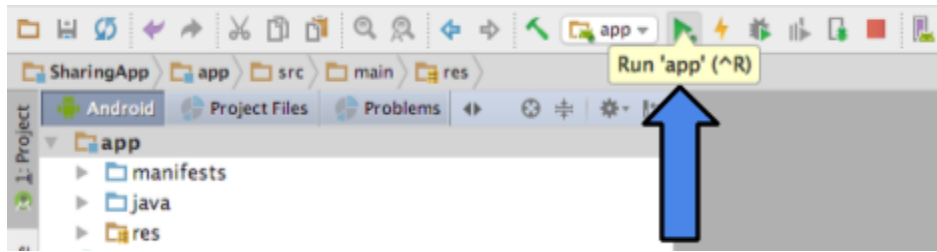

- It will prompt you to give it a name to identify it. The name will have no effect on how the program runs, as long as you know which one you need to run the app.
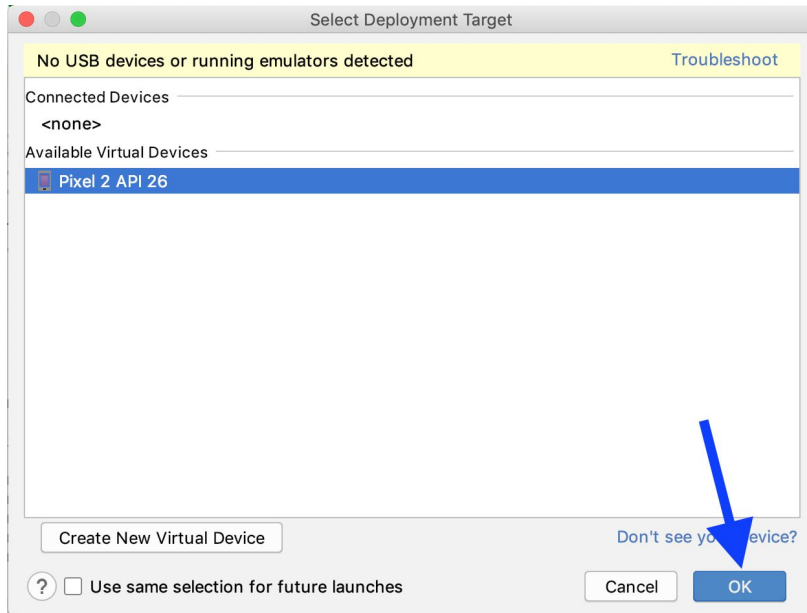

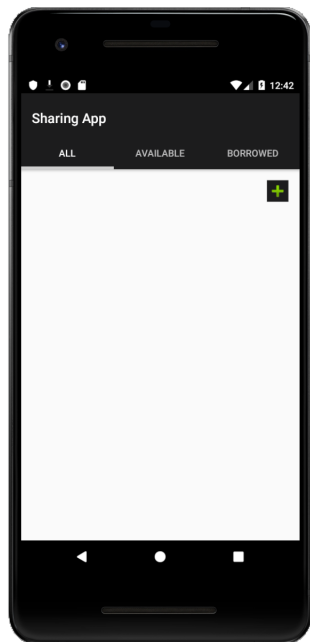- Click **Finish** when this is complete.

- 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!