



UNIVERSITY OF ALBERTA
FACULTY OF SCIENCE
Department of Computing Science

SOFTWARE DESIGN AND ARCHITECTURE

ANDROID STUDIO SETUP GUIDE — MAC

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1. Download Android Studio (version 2.3.3 or newer):

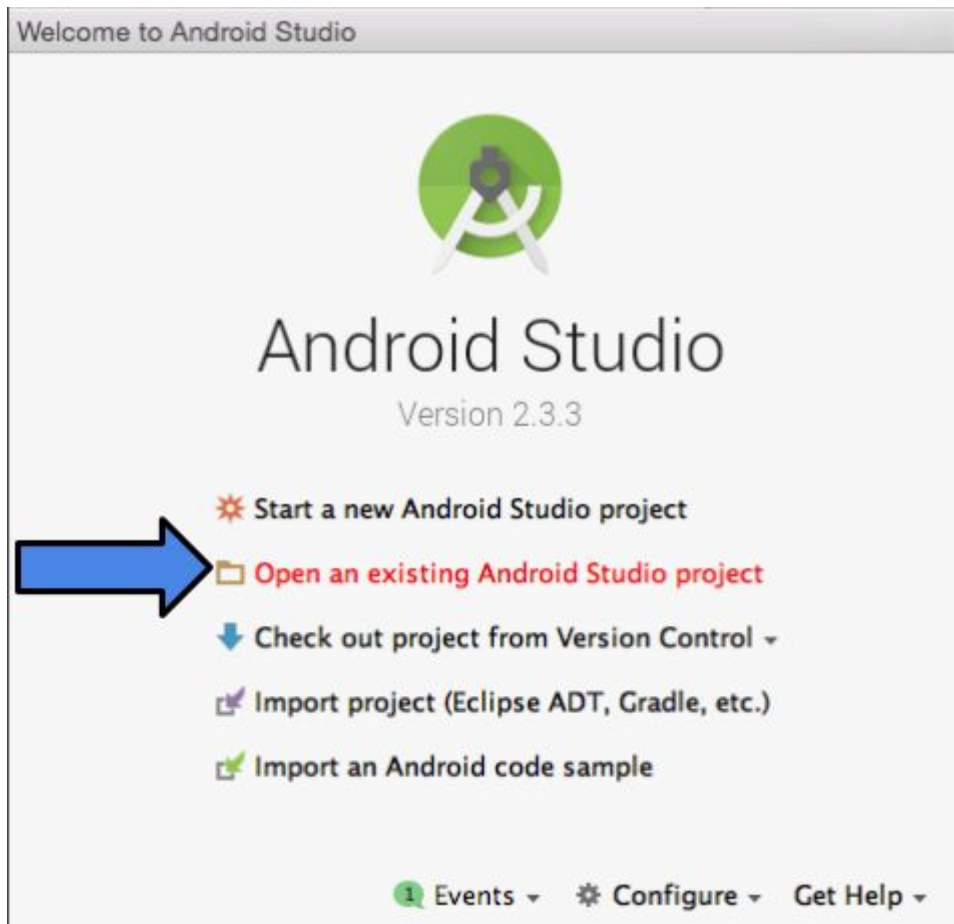
<https://developer.android.com/studio/index.html>

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**”



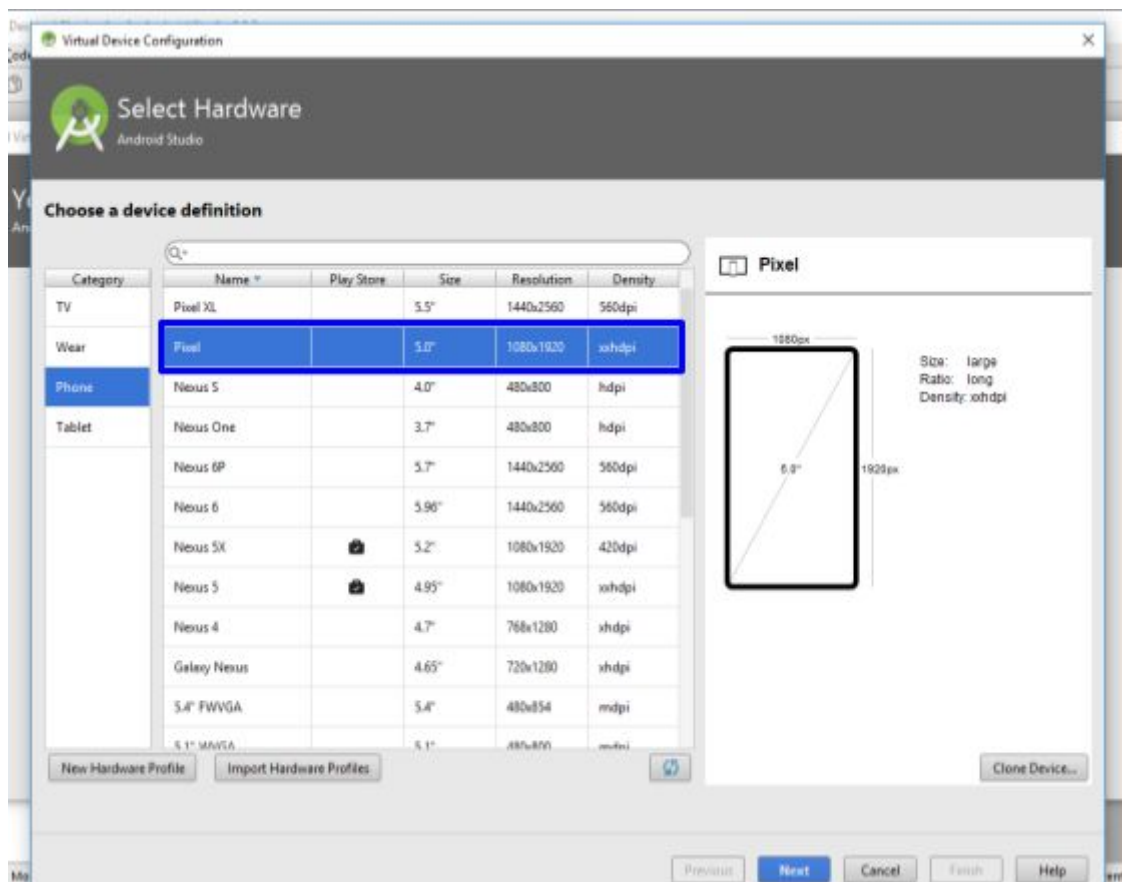
- Navigate to the app and select it.



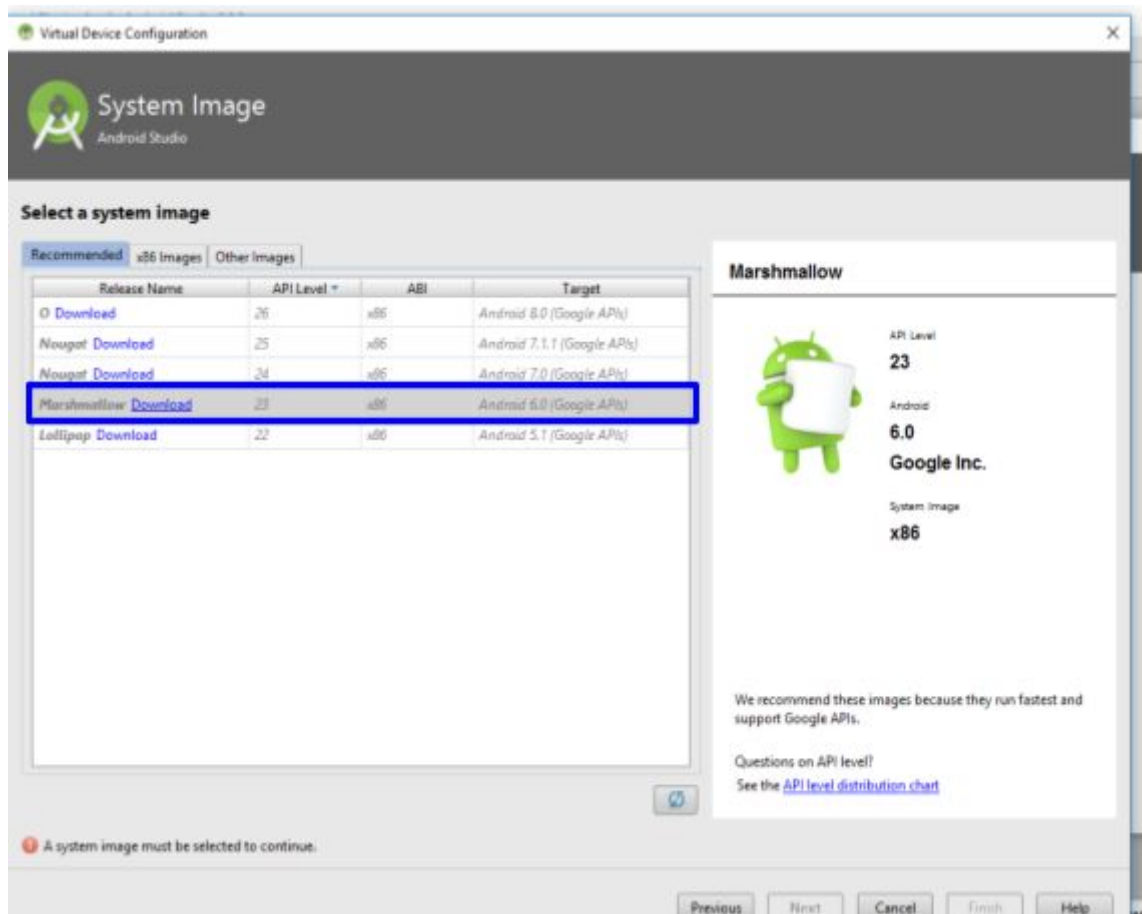
- Once you click **OK** it will start 'Building "SharingApp" Gradle project info', which may take a few minutes to complete.
- You may need to download or update Java — Android Studio will let you know when you try to build the project.
- Update everything it prompts you to update by clicking on the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

4. 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 **Pixel** and click Next



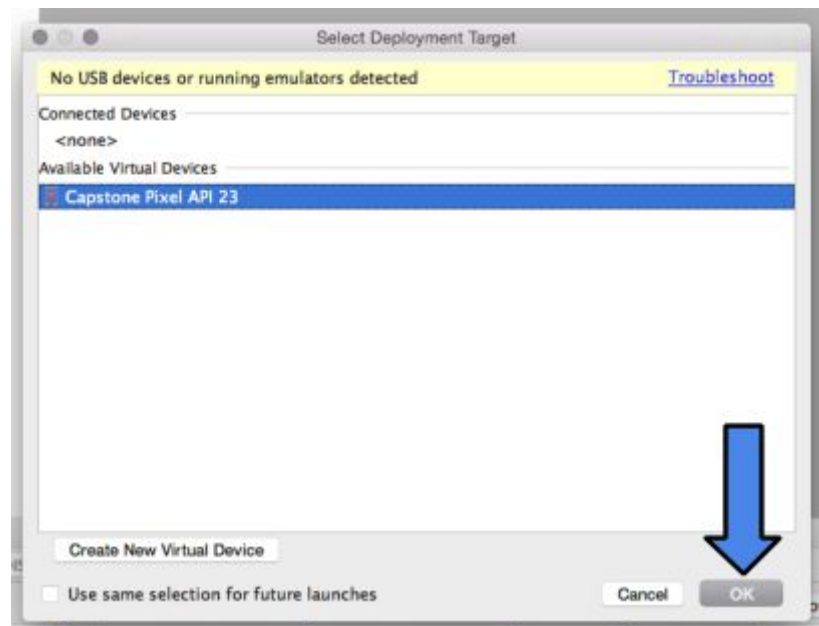
- Select **Marshmallow** (API 23). You may have to download this first and this may take a while.



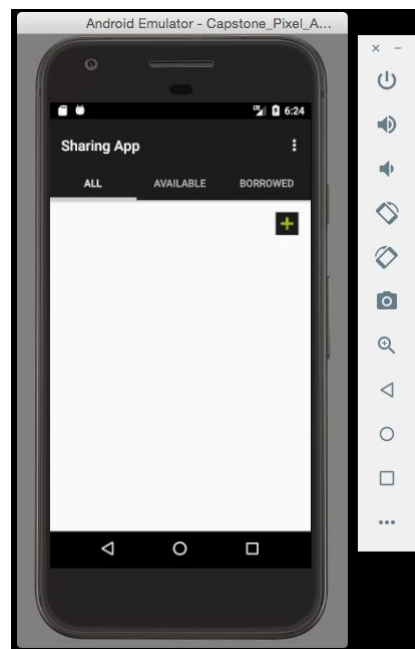
- It will prompt you to give it a name to identify it. The name will have no effect on how the program runs, as long as you know which one you need to run the app.
- Click **Finish** when this is complete.

5. Run the App

- Click the **Run** button.
- Select your virtual device and press OK. Sometimes 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!