**Test your setup**

With Android Studio installed it's a good idea to test everything with an empty project and confirm that everything is set up correctly. To do this launch Android Studio. You'll see the welcome screen. And from here click Start a new Android Studio Project. Since we're only testing a blank project we can accept the defaults for many of these settings. We can keep the default project name and location. We can also keep the default form factors and SDK API level. Keep the default empty activity selected.

Keep the default settings for the activity and then click finish. Android Studio will then create a basic project for you and begin assembling the various parts in the background. You might get an indicator that's asking for access to the firewall. Go ahead and click access. Setting up a new project might take a little bit of time. You'll get a notification at the bottom that the build was completed and is currently indexing the project. When all the processes are finished we can now test and build our app.

Go to the build menu and select make project. At the bottom you should see a message that says that the build finished. Now let's test the app in the emulator to make sure it can run. Open the run menu and select run app. You'll see a new window appear called Select Deployment Target. This is where you'll tell Android Studio where to deploy your app. We need to create a new virtual device. Go ahead and click on the Create a New Virtual Device button and we'll use the default Nexus5.

Click Next. Next we'll select a system image. We'll use the latest one which is Nougat which is API level 24. Click Next. With all that set up we're going to go ahead and click Finish which will then configure our virtual device. Now go ahead and click okay. You might get a message that says that Intel HAXM is not installed. Go ahead and click okay to go past this. If your computer is able to run HAXM software which in this case, this computer can.

You'll get this emulator settings window. Go ahead and click Next. And it'll download the drivers necessary to run the emulator. Android Studio will then attempt to build our application again and then launch the Android Emulator. It will launch the virtual version of Android and then once it's finished it'll deploy the app. The app will launch but it won't contain anything in it yet. But it will show the empty app running on the virtual device. If you encounter any errors refer to the documentation or the support site for Android Studio to see if you have any configuration or installation issues.

If you are continuing on with the course from this point you can keep the Android Emulator running. If you close it you'll need to reboot it and relaunch Android again. Which might take a few minutes to complete. With the app successfully launched you're computer is set up to create your first Android App.













































