Setting up the Android development environment

Overview

This tutorial explains the steps a developer needs to follow in order to be able to develop and test Android applications. These steps include installing Android Studio and setting the Android SDK.

Prerequisite: As you setup your iOS development environment, make sure to also read the Setting up the MobileFirst development environment (../../setting-up-your-development-environment/setting-up-the-mobilefirst-development-environment/) tutorial.

Android Studio

Follow the steps provided in the Android Developers website (http://developer.android.com/develop/index.html) website to download and install Android Studio.

Android SDK

The Android SDK provides the tools and APIs required to develop applications on the Android platform, using the Java programming language.

Once you open Android Studio for the time, you will be able to configure the Android SDK using the SDK Manager.

In the SDK Manager you can install required packages. For more information, visit the Android Developer website (http://developer.android.com/sdk/index.html).

Android Virtual Devices

You can use an AVD to test your application. For a detailed explanation of all available options, see the Managing Virtual Devices documentation topic (http://developer.android.com/tools/devices/index.html) in the Android Developers website.

What's Next

Now that the MobileFirst and Android development environment are set up, continue to Quick Start (../../quick-start/android/) category to experience MobileFirst Platform, or to All Tutorials (../../all-tutorials) to learn specific aspects of MobileFirst Platform development.