Overview

Android is a mobile operating system first released in 2008. Developed by Google and the Open Handset Alliance (OHA).

- OHA is a consortium of 84 firms that develop standards for mobile devices.
- It includes Dell, Intel, Nvidia, Samsung, Sony, and others.
- Members of the consortium are not permitted to run non-standard versions of Android.

Over a billion active devices use Android.
Android Software Development

For your project, you’ll develop a software application for the Android operating system.

You’ll implement your app using Java and the Android Software Development Kit (SDK).

The SDK includes tools such as a debugger and an emulator, plus libraries and documentation.

We’ll use Android Studio, the official IDE for Android.

(Eclipse used to have a plugin for Android, but it is no longer supported.)
Emulator

We’ll run our apps using a mobile device emulator.

It is a virtual mobile device that runs on our computers, so no mobile device is required for software development.

It has the software and hardware features of a real device.