

# Developing an Android App

CSC207 Winter 2015



## Overview

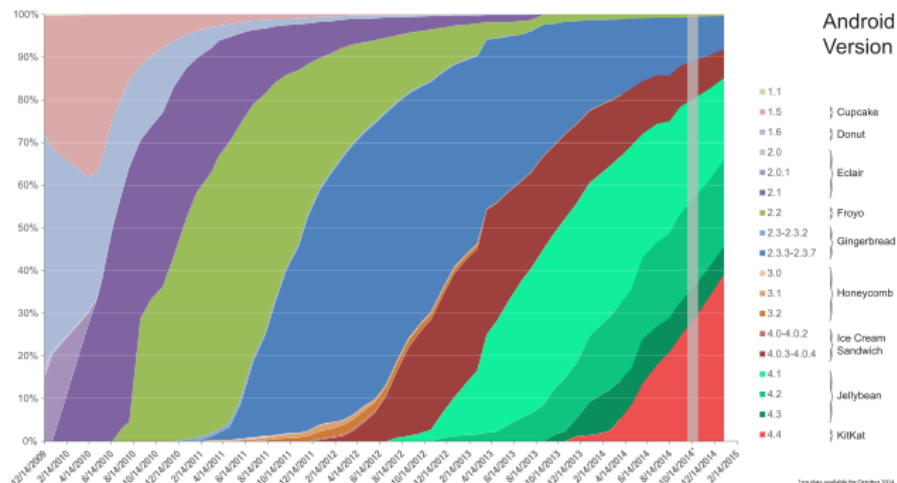
Android is a mobile operating system first released in 2008.

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 OS Versions



We'll use Android 4.3 (Jellybean), but must be compatible with 2.2.

Image source:Wikipedia

## 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 Eclipse with an Android plugin.

(As of December 2014, Android Studio is now the official IDE, but we weren't able to get it installed on CDF in time to use it this semester.)

# 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.

