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DEPARTMENT OF COMPUTER SCIENCE
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1 Introduction

This era is very great and exiting for mobile developers. Android [1] is an open source architecture that includes the Operating system, application framework, Linux kernel, middleware and application along with a set of API libraries for writing mobile applications that can give look, feel, and function of mobile handsets.

Background

Android mobile operating system has begun its version history with the release of the Android beta version in November 2007. Android 1.0 (First version), the first commercial version was released in September 2008. As we all know that Android is introduced by Google and the Open Handset Alliance (OHA), and since its initial release, we have seen a number of updates to its base operating system.

Android studio

Android Studio [2] is the official integrated development environment (IDE) for Android platform development.

2 Overview

Android Architecture [3] We studied the Android operating system architecture. Android system is a Linux-based system, Android operating system is a stack of software components which is roughly divided into five sections and four main layers as shown below in the architecture diagram. Each layer of the lower encapsulation, while providing call interface to the upper.

3 References

[1] http://www.tutorialspoint.com/android/android_architecture.html

[2] <http://developer.android.com/guide/basics/what-isandroid.html>

[3] <http://www.slideshare.net/VijayRastogi/ppt2-intro-androidarchitecturecomponentsd6>