95-702 Distributed Systems

A Short Introduction to Android

Notes taken from Google's Android SDK
and Google's Android Application Fundamentals

Plan For Today

- Lecture on Core Android
- Three U-Tube Videos:
  - Architecture Overview

    http://www.youtube.com/watch?v=Mm6Ju0xhUW8
  - Application Lifecycle

    http://www.youtube.com/watch?v=fL6gSd4ugSI
  - Application Programmer Interfaces

    http://www.youtube.com/watch?v=MPukbH6D-lY

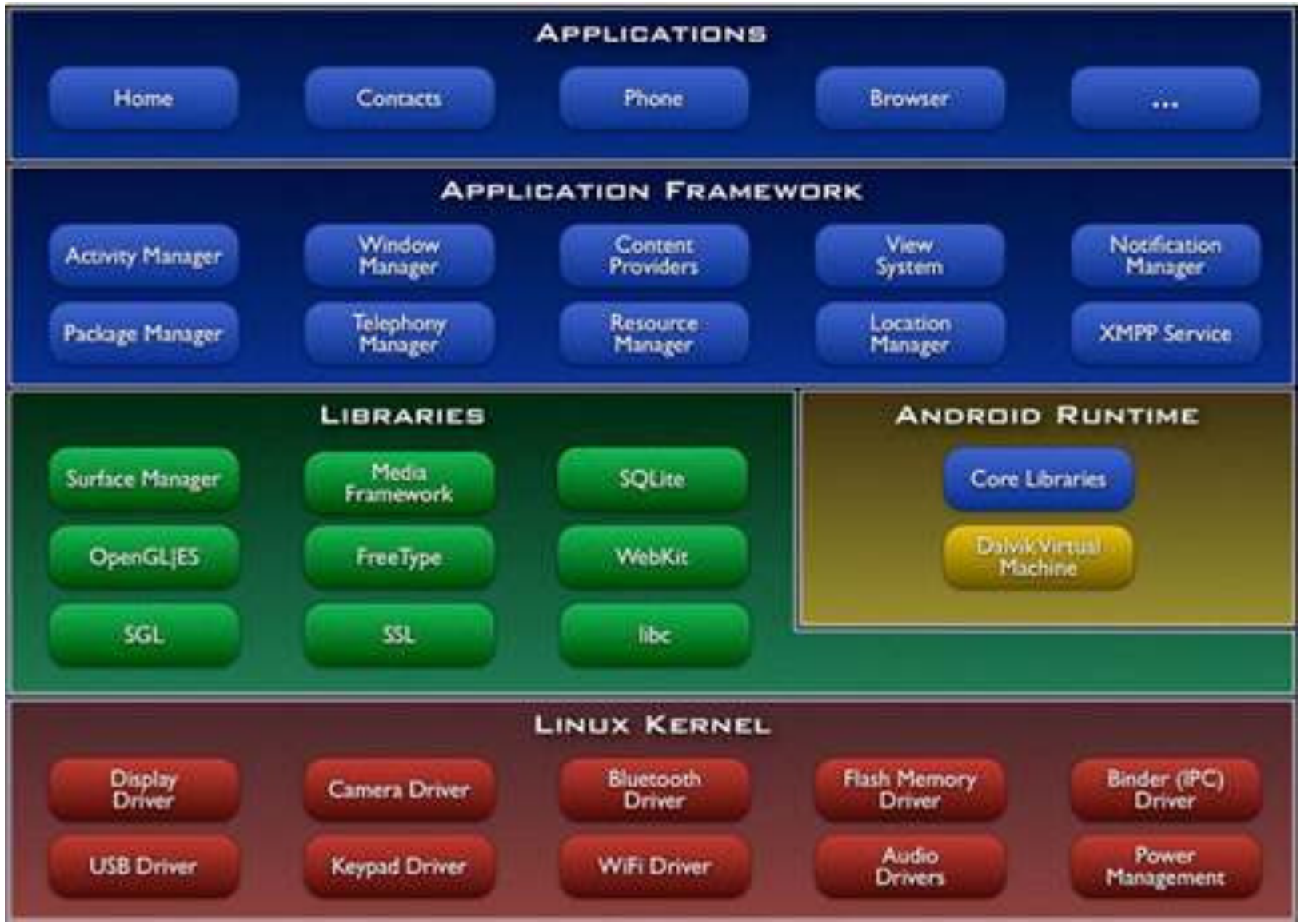
Why Android?

- Mobile platforms represent important components of distributed systems.
- Android is a new and interesting mobile platform.
- Android may also become important on non-mobile platforms.
- We will look at Android from a developers point of view.

What is Android?

Applications	Contacts	Phone	Browser	Home…
Application Framework	Window Manager	Content Providers	Location Manager	Activity Manager …
Libraries	SQLite	SSL	WebKit	Android Runtime VM…
Linux Kernel	WiFi Driver	Binder (IPC) driver	Camera Driver	…

System Architecture Diagram from Google



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