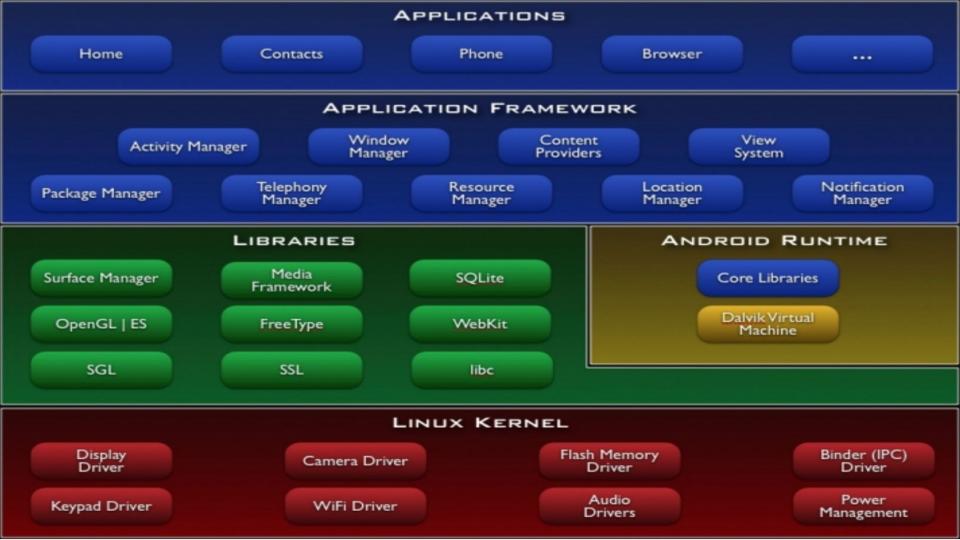# What is an OS?

By,
Mansi Saini, Nimitha Ramesh,
Yongcai Huang, Tony Filippo,
Mayank Sachdeva, Jagatdeep Anand

APPLICATIONS
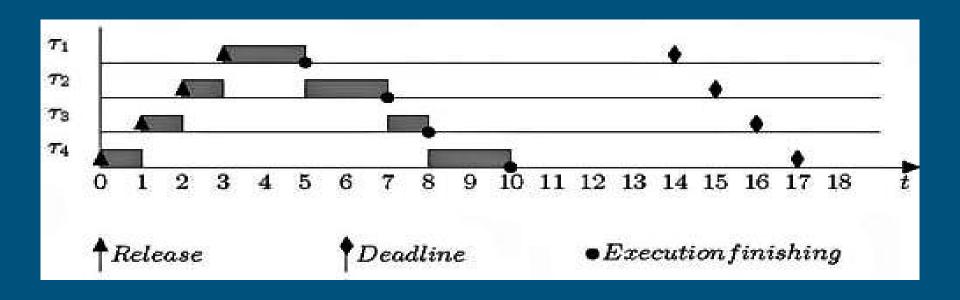
Home	Contacts	Phone	Browser	...

APPLICATION FRAMEWORK

Activity Manager	Window Manager	Content Providers	View System
Package Manager	Telephony Manager	Resource Manager	Location Manager	Notification Manager

LIBRARIES

Surface Manager	Media Framework	SQLite
OpenGL	ES	FreeType	WebKit
SGL	SSL	libc

ANDROID RUNTIME

Core Libraries

Dalvik Virtual Machine

LINUX KERNEL

Display Driver	Camera Driver	Flash Memory Driver	Binder (IPC) Driver
Keypad Driver	WiFi Driver	Audio Drivers	Power Management

Table of Contents

1. Processor

- GPU / GUI
- Real Time Scheduling
- Scheduling
- Processes
- Threads
- Thread Scheduling

Real Time Scheduling

2. Memory / Hardware

1. Memory management
2. RAM
3. Cache
4. Network chip
5. MicroSD
6. Power Supply

RAM

From - http://bit.ly/22ogLE4

3. Software

1. Security
2. Error / warning messages
3. CRUD of methods
4. Drivers
5. Resolution Compatibility
6. Version history

Warning Messages

⚠ Your device has loaded a different operating system.

Visit this link on another device:
g.co/ABH

⚠ Your device software can't be checked for corruption. Please lock the bootloader.

Visit this link on another device:
g.co/ABH

⚠ Your device is corrupt. It can't be trusted and may not work properly.

Visit this link on another device:
g.co/ABH

5. Input / Output

1. Camera / Audio
2. GPS
3. Peripherals
4. Sensors
5. Touchscreen
6. Vibrations

GPS

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