



PANYA TECHNOLOGIES

Technology to Live...

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ANDROID

Android introduction and its history

Licensing

Android architecture

- ✚ Linux kernel
- ✚ Glibc
- ✚ Zygote
- ✚ Android libraries
- ✚ Dalvik virtual machine (D.V.M)
- ✚ Android framework
- ✚ UI Layer

Android features

Android initializing process

Activities (ANDROID UI)

- ✚ Views and view hierarchy
- ✚ Activity life cycle
- ✚ Android virtual device
- ✚ UI XML layout file

Database, Content providers

- ✚ SQLite DB
- ✚ Cursors
- ✚ Content providers

Intents, broadcast receivers, notifications, and alarms

Saving states and preferences

Threads, Async tasks

Preference framework


Security

Services, AIDL

How to use system services

 **GPS**

 **Music player**

 **Messaging**

 **Calls**

Android animators

LBS, Media Framework, Telephony

Android widgets, live folders

Adapters


Binders


NDK

Exploring more android framework APIs

LAB

 **Android SDK, installation**

 **Android hands on**

 **Android mini project**