

Android Training

History

- What is Mobile OS
- Need Of Android
- Difference with other

- Service
- Broadcast Receiver
- Content Provider
- Intents

Extracting Core Architecture

- Overview
- Linux Kernel
- Dalvik
- Application Framework

Android UI Framework

- View Hierarchy
- Views
- View measurement units
- UI through Code and XML
- Layouts
- Inter Activity Communication
- Java's Sweet Event Handling

Making Your Environment

- Where to grab it
- Platforms
- Tools
- Software Development Kit
- Eclipse
- Android Development Kit
- Versions
- Emulator

Building Reach UI

- Adapter Views
- Menus
- Compound Views
- Custom Views
- Animations

Let's Begin the chase

- Hello world to Android
- Manifest File
- Resources
- Running On Device and Emulator

Notifications

- Toast
- Status Bar
- Dialog

Android Technical View

- How Application Works?
- Basic Components
- Activity

Assets And Resources

- Resources and Use
- Localization
- Handling Runtime Changes

Android Training

Styles And Themes

- Creating Style
- Style As a Theme
- Inheritance

- Android Interface Definition Language

Multimedia

- Audio Support
- Video Support

Intent, Intent Filters, Broadcast Receiver

- Intent and Intent Filter mechanism
- Registration to components
- Broadcasts Receivers
- Built In Receivers
- Custom Receiver
- Sending Broadcast

Web Services

- Mechanism Of Web Architecture
- Requesting And Responses
- JSON Parsing
- XML Parsing
- Web View

Storing And Sharing Data

- Shared Preferences
- File Manipulation
- Linux File System
- Phone Memory
- SD Card
- SQLite
- Why SQLite ?
- Using Helper
- Insertion, Updation, Deletion And Cursor
- Content Provider
- Built In Provider
- Custom Provider
- File Content Provider

Location Based Services

- Searching Location
- Current Position Algorithm
- Location Listener
- Proximity

Sensors

- Sensors Mechanism Overview
- Accelerometer
- Compass
- Sensor Listener

Services

- Why Services ?
- Life Cycle
- Creating Service

Bluetooth

- Understanding Local Bluetooth
- Discovering And Pairing
- Managing Connectivity
- Communication With Remote Devices

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Camera

- Built In Camera
- Surface View , Holder And Customized Camera
- Media Recorder

Wifi

- Understanding Mechanism
- Managing Connections
- Managing Wifi Networks

Telephony Services

- SMS Sending
- Making Calls
- Network Information
- Phone States
- Making Phone Call

Advanced Android Topics

- Fragments
- Google 3D maps
- Google Cloud Messaging(GCM)
- Google Analytics

Publishing Application to Play Store