

Android Training Course Outline

1 Introduction to Android

1.1 Overview of Android and Android SDK

1.2 History of Android

1.3 Android features

2 Android Architecture Overview

2.1 Introduction to OS layers

2.2 Linux Kernel

2.3 Libraries

2.4 Android Runtime Application framework

3 Setup of Android Development environment

3.1 System requirements

3.2 Eclipse and SDK installation, AVD creation

3.3 Creating first Android application

3.4 Project Structure

4 Android Application Fundamentals

4.1 Android application building blocks

4.2 Activating components

4.3 Shutting down components

4.4 Lifecycle of Application

4.5 Development tools, Manifest File

4.6 Lifecycle of Activity

5 User Interface

5.1 View Hierarchy and Layouts

5.2 UI Events

5.3 Building Menus

5.4 Notifying users

5.5 Creating dialogs

5.6 Graphics & Animations

6 Main Building Blocks

6.1 Activity

6.2 Intents

6.3 Services

6.4 Content Providers

6.5 Broadcast Receivers

7 Resources

7.1 Overview of Android Resources

7.2 Creating Resources

7.3 Using Resources

7.4 Drawable Resources

7.5 Animation Resources

8 Data Storage

8.1 Shared Preferences

8.2 Internal Storage(Files)

8.3 External Storage(SD Card)

8.4 SQLite Databases

9 Android Media API

9.1 Playing audio/video

9.2 Media recording

9.3 Blue tooth

9.4 WiFi

9.5 Camera

9.6 TelephonyManager

9.7 Location Services

9.8 Google Maps

9.9 Deploying Android Application on Device

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C# , Asp.net	Web Services , WCF – WPF
MVC, Silverlight, Ajax, LINQ	Mini Project in .net/ Java/ Android
Live Project in .net/Java/Android	Main Project in .net/ Java/ Android
SQL Programming	Cloud Computing
MS Dynamics CRM	Oracle Financials
Six Sigma Green Belt	Six Sigma Black Belt
ITIL Foundation	ITIL Intermediate
ITIL MALC	Cobit
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