

Android Application Skill				
ID Category	ID Subcategory	ID Item	ID Skill Item	
1 Application	1 Android Framework	1 System Architecture	1 System Architecture Overview	
		2 User Interface	2 Licensing	
			1 Menus	Option menu and dialog menus
			2 Dialogs	Various dialogs
			3 Event Processing	Button, key and motion events
			4 Notifications	Notification bar, clock display etc.
			5 Styles and Themes	Color sets
			6 Views	View object
			7 Graphics(2D & 3D)	Drawing on a Canvas, OpenGL drawing
		3 Resource Files	1 Android Manifest	Application name, execution method, main Activity definition
			2 XML Formats	
			3 Resource Aliases and Internationalization	Resource substitutions using the Alternative option
			4 Security and Permissions	Security concepts
		4 Application Components	1 Intent and Intent Filters	The role of Intents, linking between Applications, explicit and explicit intents
			2 Activity	Lifecycle
			3 Content Providers	
			4 Service	Lifecycle
		5 Storage	5 BroadcastReceiver	
			1 File I/O Overview	Saving and reading application data
			2 Preferences	Using SQL (in the database)
			3 SQLite	java.net and android.net packages
		6 Communication	1 Network Protocols (HTTP, TCP/IP)	android.bluetooth package
			2 Bluetooth	android's Wi-Fi package
			3 Wi-fi	
		7 External Devices and Sensors	1 GPS	GPS sensor package
			2 Sensors	sensor package
		8 Multimedia	1 Audio	Using media files
			2 Video	Using media files
		9 Testing	1 Junit Framework	Automated testing
		10 Native Code	1 JNI	
			2 Script Language(ASE)	
			3 NDK Overview	
2 Application Publishing	1 Application Management	1 Versioning	Recording version in the manifest file	
		2 Private Key Generation	Using keytool to make a private key	
		3 Map API Key Registration	Registering to use MapView	
	2 Application Distribution	1 Signing	Signing an apk archive, cannot install without it	
		2 Updating	Automatic update from the Android Market by version	
3 Supporting Functions	1 Development Functions	1 Eclipse		
		2 Android Development Tools Plugin (adt)	A diagnostic tool for layout files	
		3 layoutopt		
		4 Draw 9-patch	Image editing tool	
		5 Android Asset Packaging Tool (aapt)	Create an apk file, archival	
		6 Android Interface Description Language (aidl)	Defining interfaces with different layers	
		7 sqlite3	SQLite	
		8 dx	A tool to convert class files to dex files	
		9 zipalign	A tool to optimize an apk file	
	2 Debug Functions	1 Android Emulator		
		2 Android Virtual Devices (AVDs)	Tool to display a layout file hierarchy	
		3 Hierarchy Viewer		
		4 Dalvik Debug Monitor Server (DDMS)	Trace for android applications	
		5 Android Debug Bridge (adb)	Tool to create an SD card image	
		6 Traceview	The 'monkey' test tool	
		7 mksdcard	Command for managing AVD and SDK	
		8 UI/Application Exerciser Monkey		
		9 android		