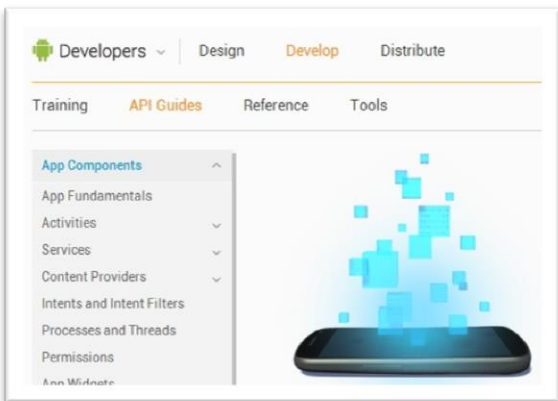


Course Overview



Android Developers Website



<http://developer.android.com/guide/components/index.html>

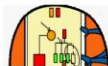
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Android Development System

Android Website
Design Guide
Eclipse IDE
Android SDK
Android NDK
Emulator
Java
Sample Apps
Testing
Debugging
Publishing Apps
Google Play
Developer Console
•
•
•



APP Components and APIs

Activities
Services
Content Providers
Intents
Processes
Messaging
Widgets
Manifest
•
•
•



App Resources

XML
Localization
Colors
Drawables
Layouts
Strings
Dimensions
Menu
Styles
•
•
•



Media and Camera

Playback
Formats
Audio
Camera
•
•
•



Web Apps

WebView
Viewport
Layout
Resizing
•
•
•



Remote Access

Server Access
JSON Data
Google Cloud
•
•
•



User Interface

Layouts
Buttons
Text
Spinners
Pickers
Input Events
Menus
Tabs
Action Bar
Dialogs
Notifications
Progress Bars
Seek Bars
Search
Lists
Styles and Themes
Phone Interface
Email Interface
•
•
•



Connectivity

Bluetooth
NFC
Wi-Fi Direct
USB
SIP
•
•
•



Location and Sensors

Maps
Geocoding
Map Overlays
Motion Sensors
Position Sensors
Environment Sensors
•
•
•



Data Storage

Shared Preferences
SQLite Database
Internal Data Storage
External Data Storage
•
•
•



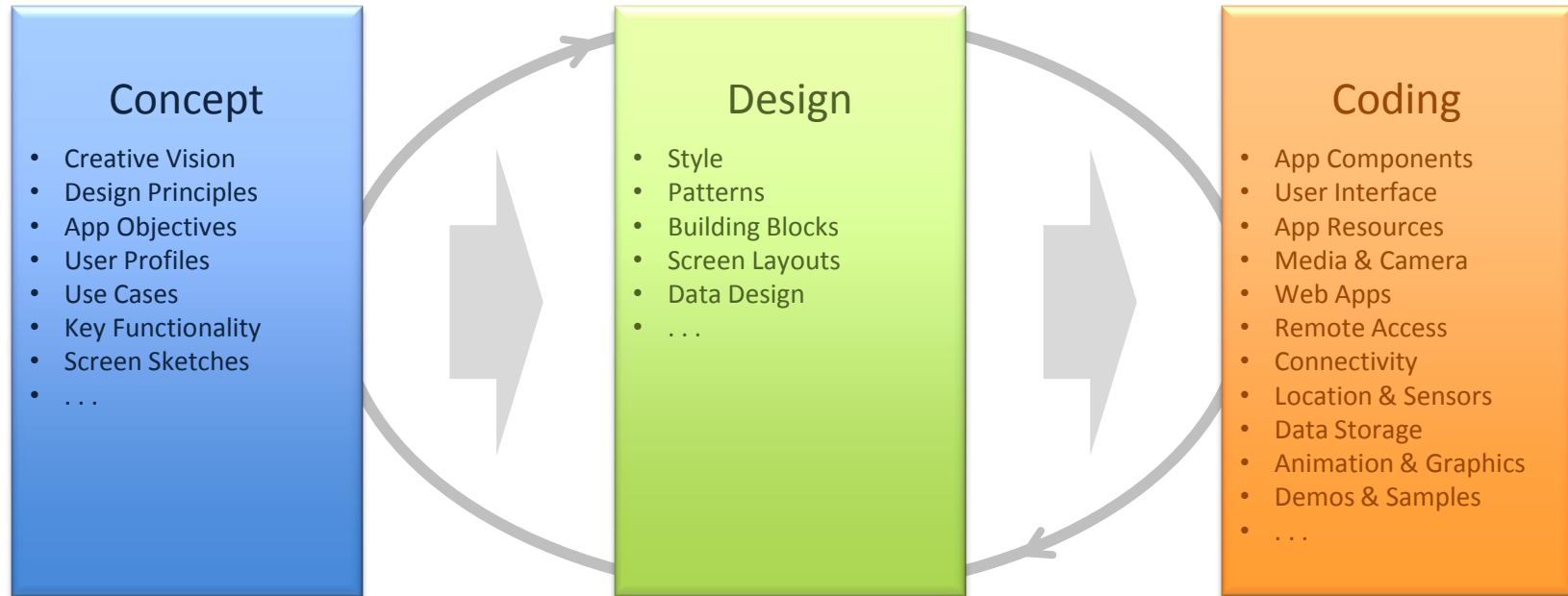
Animation and Graphics

Property Animation
View Animation
Canvas and Drawables
OpenGL
Hardware Acceleration
•
•
•

API Demo Groups

API Demos → ↓ Course	Access- ibility	Ani- mation	App	Content	Graphics	Media	NFC	OS	Pref- erence	Text	Views
App Components			●	●				●			
User Interface	●		●						●	●	●
App Resources				●							
Media & Camera					●	●					
Web Apps											●
Remote Access											●
Connectivity							●	●			
Location & Sensors								●			
Data Storage				●					●		
Animation & Graphics		●			●						

Application Development



Researching Design and Code Patterns

- System Knowledge
- Keywords
- Research

Developers Website

Developers ▾ | Design | **Develop** | Distribute

Training | **API Guides** | Reference | Tools

API Demos Worksheet

	Home Screen Primary Group	Secondary Group	Tertiary Group	Demo Name
App Components				
App Fundamentals	Accessibility			Accessibility Node Provider
Activities	Accessibility			Accessibility Node Querying
Services	Accessibility			Accessibility Service
Content Providers	Animation			Custom View
Intents and Intent Filter	Animation			Bouncing Balls
Processes and Threads	Animation			Cloning
Permissions	Animation			Custom Evaluator
App Widgets	Animation			Default Layout Animations
	Animation			Events
	Animation			Hide-Show Animations
	Animation			Layout Animations
	Animation			Loading
	Animation			Multiple Properties
	Animation			Reversing
	Animation			Seeking
	Animation			View Flip
	App	Action Bar		Action Bar Mechanics
	App	Action Bar		Action Bar Tabs
	App	Action Bar		Action Bar Usage
	App	Action Bar		Action Bar Settings Action Bar
	App	Action Bar		Display Options
	App	Activity		Animation

Web Search

Google android action bar backward compatibility

Web Images Maps Shopping More Search tools

About 54,200 results (0.31 seconds)

android - Strategies for Honeycomb & backward compatibility - Stackoverflow.com - /strategies-for-honeycomb-backward-co...
5 answers · Jan 28, 2011
So we've seen the preview sdk and the neat new stuff like ActionBar and Android backward compatibility but still utilise latest API features ...

How to make Android 4.0 apps backwards compatible? - Stackoverflow.com - /how-to-make-android-4-0-apps-backwards-compatible...
1 answer · Jan 25, 2012
There is the Android compatibility library but I was looking for a more...

marketimparts.com - /android-action-bar-backward-compatibility...
by Don Cowan - Feb 6, 2012 - G...
Action Bar backward compatibility classes invoke ...

Sample Projects

New Android Sample Project

Select Sample

Select which sample to create

- AccelerometerPlay
- ActionBarCompat
- AndroidBeamDemo
- ApiDemos
- ApiDemos > tests
- AppNavigation
- BackupRestore
- BasicGLSurfaceView
- BluetoothChat
- BluetoothHDP

Project Name: AccelerometerPlay

< Back Next > Finish

Code Pattern Elements

Classes →

Methods →

```

* Copyright (C) 2010 The Android Open Source Project
package com.example.android.apis.app;

import com.example.android.apis.R;

/**
 * This demonstrates the use of action bar tabs and how they interact
 * with other action bar features.
 */
public class ActionBarTabs extends Activity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        setContentView(R.layout.action_bar_tabs);
    }

    public void onAddTab(View v) {
        final ActionBar bar = getActionBar();
        final int tabCount = bar.getTabCount();
        final String text = "Tab " + tabCount;
        bar.addTab(bar.newTab()
            .setText(text)
            .setTabListener(new TabListener(new TabContentFragment(text))));
    }
}

```

Resources

Variables,
Assemblies
& Calculations

Returns & Parameters

Sequencing

Adding Code to Your Android App

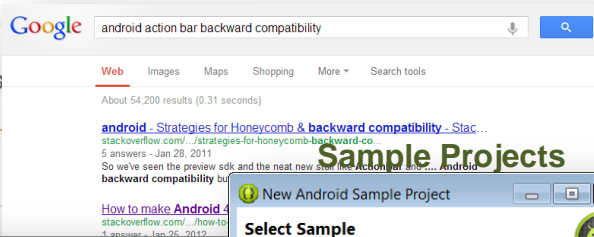
Developers Website



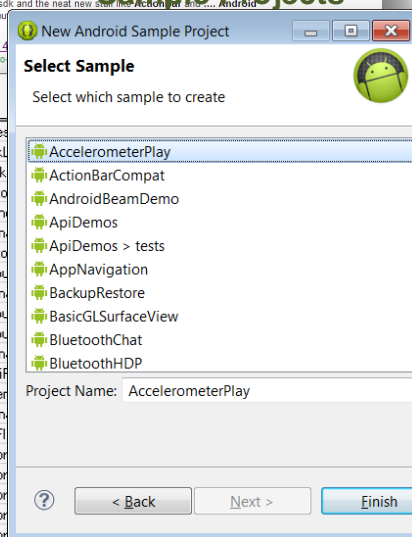
API Demos

App Component	Home Screen Primary Group	Secondary Group	Tertiary Group	Demo Name
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	App	Action Bar		Action Bar Tabs
	App	Action Bar		Action Bar Usage
	App	Action Bar		Action Provider
	App	Action Bar		Display Options
	App	Activity		Animation

Web Search



Sample Projects



- Design Patterns
- Code Samples
- Documentation

- FirstAppProjectEnhancement
 - Android 4.1.2
 - Android Dependencies
 - src
 - gen [Generated Java Files]
 - assets
 - bin
 - libs
 - res
 - drawable-hdpi
 - drawable-ldpi
 - drawable-mdpi
 - drawable-xhdpi
 - layout
 - menu
 - values
 - values-v11
 - values-v14
 - AndroidManifest.xml
 - ic_launcher-web.png
 - proguard-project.txt

Accessibility Settings

