

# LEARN - DEVELOP - DEPLOY

- HOME
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- SEARCH
- MEMBERLIST
- PROFILE
- PRIVATE MESSAGE

It is currently Tue Mar 08, 2011 3:44 am

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All times are UTC - 5 hours [ DST ]

## My Random Android Web Search Notes!!!

NEWTOPIC POSTREPLY Page 1 of 1 [ 1 post ]

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[Free Apps for your Droid](#) Find your favorite Android apps, for your Droid at AndroidPIT! [www.androidpit.com/Droid-Apps](http://www.androidpit.com/Droid-Apps)  
[#1 Android Tweet Client](#) Free App for your Android Phone World's Number One Tweet Client. [www.Twidroyd.com](http://www.Twidroyd.com)  
[Bus Snooze - GPS Alarm](#) Never oversleep wake up on time! Now with - Bus Snooze for Android [market.android.com](http://market.android.com)



Author

Message

admin

Post subject: My Random Android Web Search Notes!!!

[Post](#) Posted: Fri Jan 22, 2010 4:30 pm

OFFLINE

Joined: Sun Dec 27, 2009  
1:59 pm  
Posts: 41

Author: Yassin Matan  
President  
Somforce Inc.  
...

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----THIS IS A NEW SITE.....STILL UNDER DEVELOPMENT...ANY HELP WILL BE APPRECIATED----

\*\*\*\*\* IF YOU LIKE WHAT YOU SEE, PLEASE REGISTER AND CONTRIBUTE YOUR OWN LINKS / REFERENCES / NOTES ETC.. \*\*\*\*\*

DONT FORGET TO CHECK OUT THE REST OF THE SITE FOR MORE USEFUL INFO...

I am donating my time to develop a centralized Android Web Notes/Ideas/Tutorials/Code/Documents/References/All Android Web Sites...In ONE place etc  
 These are my own Android web notes I gathered for my App Developments. They are not in any order. I also attached several files that I found on the web that may help you learn more. I will add more

Enjoy.

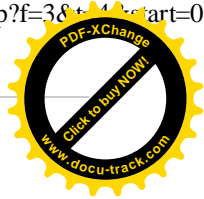
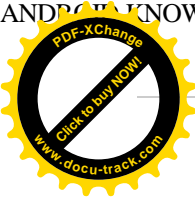
#####

ALL TUTORIALS HOW TO

HOT HOT HOT....just weeks old tutorials  
[http://marakana.com/forums/android/android\\_examples/](http://marakana.com/forums/android/android_examples/)

Also more...  
 BEST ==> Source Code to \_Android Programming Tutorials (Thanks to CommonsGuy at... <http://commonsware.com/AndTutorials/> )  
 You can download each tutorial on the upper right hand corner (Download Source button)  
<http://github.com/commonsqgy/cw-andtutorials>

OTHER TUTORIALS HOW TO  
[http://www.codebeach.com/tag/android,tu ... 70098885/2](http://www.codebeach.com/tag/android,tu...70098885/2)



and

<http://androidcommunity.com/forums/f4/w...-here-137/>

And/or

and mixture of tutorials

<http://saigeethamn.blogspot.com/2009/08...-l-for.html>

More great tutorials

<http://blog.pocketjourney.com/category/tutorials/>

More code and tutorials

<http://www.droidnova.com/category/how-to>

and more

<http://www.dreamincode.net/forums/showforum129.htm>

Google app - API Demos

[http://d.android.com/resources/samples/...\\_index.html](http://d.android.com/resources/samples/..._index.html)

Android 2.1 Development with Eclipse 3.5 - Tutorial...

<http://www.vogella.de/articles/Android/article.html>

Android 2.0 Features Snapshot

<http://www.aboutonlinetips.com/android-...-snapshot/>

Android 2.0 screenshot walkthrough

<http://www.boygeniusreport.com/2009/10/...lkthrough/>

More great tutorials...(see bottom of the site..)

<http://developerlife.com/tutorials/?p=309>

See This new Site...It has many screen demos...

<http://vidarvestnes.blogspot.com/2010/0...mples.html>

Also more nice sample codes/tutorials

<http://www.androidpeople.com/category/android-tutorial/>

Get Android 2.0 Source from here

<http://source.android.com/download>

All Android Phones out there now. Wow, great comparison CHART

<http://www.androphones.com/all-android-phones.php>

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List of some of the Android Development Books out there

-- I have the first 8 books...

I like the first 4 books because they provide....

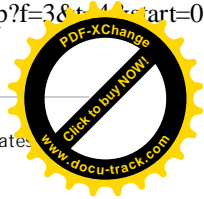
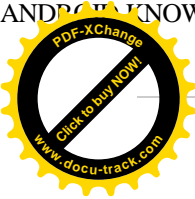
- In depth explanation,
- Sample code,
- Project screen shots,
- Enough projects and code,
- Code Completion in the book,
- Hints and Directions

THE BEST OUT THERE (The first 4 books are the best I have seen)

- 1 Professional Android Application Development (by Reto Meier, published by Wrox)
- 2 Beginning Android (by Mark Murphy, published by Apress)
- 3 The Busy Coder's Guide to Android Development (by Mark Murphy, published by CommonsWare)
- 4 Android Programming Tutorials (by Mark Murphy, published by CommonsWare)

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- 5 Android: A Programmer's Guide (by Jerome DiMarzio, published by McGraw-Hill Osborne Media)
- 6 Android Wireless Application Development (by Shane Condor & Lauren Darcey, published by Addison-Wesley Professional)
- 7 The Busy Coder's Guide to Advanced Android Development (by Mark Murphy, published by CommonsWare)
- 8 Unlocking Android (by Frank Ableson, Charlie Collins, and Robi Sen; published by Manning Publications)
- 9 Pro Android (by Sayed Hashimi, published by Apress)
- 10 Pro Android Games (by Vladimir Silva, published by Apress)
- 11 Android Essentials (by Chris Haseman, published by Apress)



12 Hello, Android (by Ed Burnette, published by Pragmatic Programmers)  
 13 Android Application Development (by Rick Rogers, John Lombardo, Zigurd Mednieks, Blake Meike; published by O'Reilly & Associates)

FREE E-BOOK

[http://commonsware.com/Android/Android-1\\_0-CC.pdf](http://commonsware.com/Android/Android-1_0-CC.pdf)

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Android Live Wallpaper tutorial for Android 2.1...

<http://blog.androgames.net/58/android-l ... -tutorial/>

Android Wall Papers

<http://www.talkandroid.com/wallpapers/>

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 For background image changes from...PORTRAIT to LANDSCAPE

<http://androidcommunity.com/forums/f7/b ... fix-29408/>

LANDSCAPE

Phone = 480 x 320

Image = 480 x 320

and

PORTRAIT

Phone = 320 x 480

Image = 480 x 320

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 JSON TUTORIAL

<http://devstream.stefanklumpp.com/2009/ ... nt-to.html>

Video recording

<http://groups.google.com/group/android- ... f24049c13d>

Image GridView tutorial

<http://developer.android.com/guide/tuto ... dview.html>

Take a picture

<http://stackoverflow.com/questions/4558 ... rom-camera>

CAMERA TAKES IMAGE AND SEND IT TO SERVER

<http://vikram.eggwall.com/computers/watchtower.html>

<http://www.tomgibara.com/android/camera-source>

...and SEE THIS

<http://www.mail-archive.com/android-dev ... 73057.html>

Android transitions- slide in and slide out

USING INCLUDE TAG TO IMPORT OTHER XML FILES FROM THE SAME DIRECTORY

<http://www.inter-fuser.com/2009/07/andr ... slide.html>

Start different activities in separate tabs of a TabHost

<http://www.androidsnippets.org/snippets/68/>

Showing indeterminate progress bar in TabHost activity

<http://stackoverflow.com/questions/1138 ... t-activity>

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Understanding Android Themes and Styles

<http://brainflush.wordpress.com/2009/03 ... nd-styles/>

ListView and ListActivity Demo

<http://maohao.wordpress.com/2009/11/26/ ... vity-demo/>

and

Clickable ListView Items

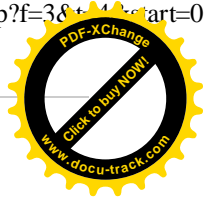
<http://www.androidsnippets.org/snippets/125/>

How to display list of images in ListView in android

<http://stackoverflow.com/questions/4597 ... in-android>

Android: ListView with complex data model

<http://stackoverflow.com/questions/1595 ... data-model>



Display images that are stored on your SD card.

<http://mihaifonoage.blogspot.com/2009/1/...rd-in.html>

How to store images larger than 1 megabyte in Google App Engine

<http://www.rezendi.com/pa/labels/AppEngine.html>

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DYNAMIC UI

<http://www.dreamincode.net/forums/showtopic130521.htm>

AND THIS

<http://caguilartech.blogspot.com/2009/0/...s-and.html>

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Ticketing System Example

<http://www.linux-mag.com/cache/7463/1.html>

and also see

Hands-on: Multiple Activities and Data Persistence in Android

<http://www.linux-mag.com/cache/7498/1.html>

Writing

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MENUS...

Official site

Creating Menus

<http://developer.android.com/guide/topics/ui/menus.html>

How to create an option menu

<http://www.droidnova.com/how-to-create-...u,427.html>

Dynamically change Options Menu Items in Android

<http://thedevelopersinfo.com/2009/10/20/...n-android/>

Menu item creation code

<http://developerlife.com/tutorials/?p=304>

Creating Game Menus in Android

<http://www.droidnova.com/creating-game-...d,518.html>

Getting Started in Android Game Development

<http://blog.vn-dev.net/2010/01/getting-...-game.html>

Android 3D game tutorial

<http://www.droidnova.com/android-3d-gam...i,312.html>

Android Animations 3D flip

<http://www.inter-fuser.com/2009/08/andr...-flip.html>

and more 3d image flip

<http://www.anddev.org/viewtopic.php?p=29493>

more samples of this site

<http://www.inter-fuser.com/>

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The Android Modeller and Code Generator

Create Android apps without programming??? (I have not tested this yet...)

<http://www.lab.telin.nl/~msteen/andromate/>

and also see

<http://www.designerandroid.com/>

and

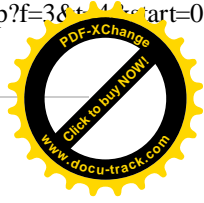
<http://googleresearch.blogspot.com/2009/...droid.html>

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Showing Toast in Android

<http://thedevelopersinfo.com/2009/10/23/...n-android/>

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Databases and Menus

<http://www.dreamincode.net/forums/showtopic130762.htm>

VIEWFLIPPER AND TAB VIEW

<http://www.androidguys.com/2008/08/14/f...our-views/>

<http://www.androidguys.com/2008/08/12/a...namically/>

I THINK BEST VIEW FLIPPER IS HERE

<http://www.inter-fuser.com/2009/07/andr...slide.html>

and this (test flip)

<http://osdir.com/ml/Android-Developers/...02457.html>

MORE APPS

<http://www.androidguys.com/category/ag-...ng-droids/>

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TIP1:

To stop your activity from restarting when phone orientation changes do...

In manifest.xml under Activity put...

android:configChanges="orientation|keyboardHidden"

and in your app

import android.content.res.Configuration;

and implement

@Override

public void onConfigurationChanged(Configuration newConfig) {

// TODO Auto-generated method stub

super.onConfigurationChanged(newConfig);

}

TIP2:

10 User Experience Tips for Successful Android Apps

<http://www.androidtapp.com/10-user-expe...roid-apps/>

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TOUCH SCREEN OR GESTURE TOUCH

<http://www.anddev.org/viewtopic.php?p=29945>

WINDOWS UI BACKGROUNDS

<http://android-developers.blogspot.com/...speed.html>

NICE TUTORIAL

<http://www.2linessoftware.com/2009/01/1...1/#more-23>

<http://www.androidph.com/2008/11/camera-capture.html>

source code

<http://mobileserver.byethost2.com/?p=45>

THIS TUTORIAL IS JUST BEAST. (NETWORK, GPS, CAMERA, RADAR ETC...)

<http://www.androidph.com/2009/02/app-10-beer-radar.html>

RADAR...STEP BY STEP

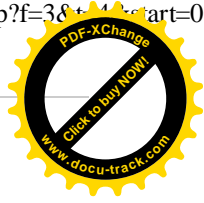
<http://www.androidph.com/2009/02/app-10-beer-radar.html>

SOURCE CODE

[http://mobileserver.byethost2.com/?attachment\\_id=96](http://mobileserver.byethost2.com/?attachment_id=96)

RADAR.

<http://groups.google.com/group/android-...ba87263bb5>



#### MAPS

Best MAP TUTORIAL

<http://mobiforge.com/developing/story/u...ps-android>

and

[http://2009.hfoss.org/Tutorial:Hello\\_Mapview,\\_with\\_GPS](http://2009.hfoss.org/Tutorial:Hello_Mapview,_with_GPS)

OPENGL ANIMATION FOR RADAR.

<http://en.oreilly.com/oscon2009/public/...etail/8108>

CHANGES TO JAVA 1.5 NOTES

[http://page.mi.fu-berlin.de/oezbek/pub/...va\\_1.5.pdf](http://page.mi.fu-berlin.de/oezbek/pub/...va_1.5.pdf)

INTRO TO ANDROID

<http://static.kazed.net/dist/android-pr...andout.pdf>

and

<http://www.datasprings.com/Resources/Ar...eCode.aspx>

Live Camera Previews in Android

<http://www.tomgibara.com/android/camera-source>

SERVICE ORIENTED TUTORIAL (Backgroud services)

<http://developerlife.com/tutorials/?p=300>

Development and remote installation of Java service for the Android Devices (Nice)

<http://www.codeproject.com/KB/mobile/an...pment.aspx>

HOW TO SIGN YOUR ANDROID APP

<http://www.brighthub.com/mobile/google-...40857.aspx>

<http://www.brighthub.com/mobile/google-...40859.aspx>

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BEST...PERIOD...

ASK ANDROID DEVELOPER QUESTIONS HERE

Best forum out there...

<http://www.anddev.org>

and/or

<http://www.stackoverflow.com>

and other forums

<http://androidforums.com/>

more

<http://www.rbgrn.net/content/187-ask-al...tions-here>

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IBM ANDROID SENSORS

<http://www.ibm.com/developerworks/opens...index.html>

SENSOR

BEST SENSOR CODE

<http://www.anddev.org/viewtopic.php?p=22675>

AND

<http://www.anddev.org/viewtopic.php?p=26929>

SAMPLE SENSOR NICE AND CAMPUS SAMPLE AS WELL

[http://www.anddev.org/accessing\\_the\\_acc...9-s45.html](http://www.anddev.org/accessing_the_acc...9-s45.html)

AND

<http://mysticlakesoftware.blogspot.com/>

NICE SENSOR CODE

<http://android.hlidskialf.com/post/andr...n-listener>

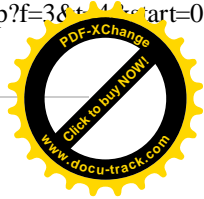
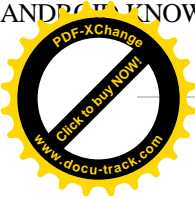
WORKING SENSOR CODE NICE NICE AND DETECT SHAKE

<http://www.anddev.org/viewtopic.php?p=27383>

OFFICIAL SITE FOR SENSOR

<http://code.google.com/p/cellphone-sonar/>

Nice sensors



<http://stuffthathappens.com/blog/2009/0...d-sensors/>

THIS SENSOR IS THE ONE YOU NEED FOR THE APP

<http://www.codeshogun.com/blog/2009/04/...id-part-i/>

Tutorials sensors

<http://www.linuxfordevices.com/c/a/News...-tutorial/>

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Table Layout

<http://developerlife.com/tutorials/?p=307>

PASSING OBJECT FROM ONE ACTIVITY TO ANOTHER.

<http://thinkandroid.wordpress.com/2009/...ctivities/>

THIS SITE HAS MANY THINGS, INCLUDING (PHOTO GALLERY TUTORIAL, SEARCH IT THOUGH ON THE SITE)

<http://www.brighthub.com/mobile/google-...42185.aspx>

The link above is dialogs, but it mentions about photo gallery

REDRAW A VIEW

<http://groups.google.com/group/android-...d35e5e5c15>

calls invalidate method...

Official

<http://developer.android.com/reference/.../View.html>

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Game examples

[http://github.com/eburke/android\\_game\\_examples](http://github.com/eburke/android_game_examples)

Animations

<http://www.inter-fuser.com/2009/08/andr...-flip.html>

<http://www.netmite.com/android/mydroid/...animation/>

Android 3D Flip Animation

<http://www.inter-fuser.com/2009/08/andr...-flip.html>

NICE ICONS, IMAGES, DRAWABLES

<http://www.everaldo.com/crystal/?action=downloads>

and/or

<http://www.screaming-penguin.com/info/a...ables.html>

AND...MORE NICE.....DRAWABLES

<http://www.small-icons.com/index.htm>

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IMAGE GALLERY

<http://www.netmite.com/android/mydroid/...lery.java>

Android Tutorial: Image & Text-Only Buttons

<http://blog.pocketjourney.com/2008/04/3...y-buttons/>

INSTALL APPS ON DEV 1 PHONE

<http://www.anddev.org/debugging-install...t3236.html>

USB DRIVERS WELL ARE FOUND HERE...

ROOTING YOUR G1 DEV 1 PHONE (step by step)

<http://android.noisepages.com/2009/05/p...esusfreke/>

Hot to Root Video

<http://theunlockr.com/2009/10/15/how-to...droid-1-6/>

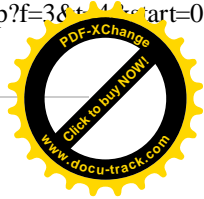
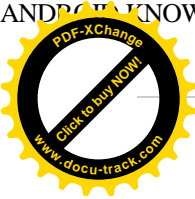
How to Hack Your Android Phone (and Why You Should Bother)

<http://www.readwriteweb.com/archives/ho...phone.php>

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"One" of the BEST ANDROID SITE OUT THERE

<http://www.androidandme.com>



#### ANDROID DEV 1 PHONE RETURN POLICY

<http://www.google.com/support/forum/p/A...86b3&hl=en>

#### FILES

[http://www.anddev.org/working\\_with\\_files-t115-s30.html](http://www.anddev.org/working_with_files-t115-s30.html)

#### NICE FILE ONE

<http://androidforums.com/android-develo...droid.html>

<http://bestsiteinthemultiverse.com/2008...nt-page-1/>

#### CHECK THIS ONE

<http://www.anddev.org/viewtopic.php?p=27514>

and

generic file...

<http://www.daniweb.com/forums/thread123311.html>

#### DELETING FILE IN ANDROID

<http://stackoverflow.com/questions/1248...om-sd-card>

Also this one has good and complete code

<http://www.higherpass.com/java/Tutorial...With-Java/>

#### CHECK FILE EXISTS

<http://www.higherpass.com/java/Tutorial...With-Java/>

#### FILE CODE SAMPLES

WRITING/READING/DELETING/MOVING/APPENDING

<http://www.higherpass.com/java/Tutorial...With-Java/>

#### APPENDING TO A FILE

<http://groups.google.com/group/android-...cbd733bf68>

sample from site

FileOutputStream out

= context.openFileOutput("test.txt", Context.MODE\_APPEND);

AND

RANDOM FILE ACCESS IS WHAT YOU NEED

<http://www.java-tips.org/java-se-tips/j...-file.html>

<http://www.higherpass.com/java/Tutorial...th-Java/2/>

some file ideas

<http://stackoverflow.com/questions/1756...-text-file>

SD card file

<http://www.blog.droidweb.com/?tag=read-files>

Local File system URI

<http://www.techjini.com/blog/2009/01/10...g-content/>

FILE GUI SAMPLE..USE THE DIALOGUE BOX WITH TWO BUTTONS

<http://lysesoft.com/products/andexplorer/index.html>

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#### ACCELEROMETER

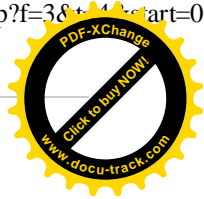
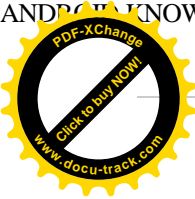
<http://androidforums.com/android-develo...-code.html>

#### SOURCE CODE SAMPES

<http://examples.oreilly.com/9780596521509/>

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ZONE LIST...

Test this code some time...

<http://gitorious.org/easyweb2/packages-...eList.java>

-----

MEDIA CLASS

<http://groups.google.com/group/android-...2adb82663a>

IMAGES

<http://www.developer.com/java/j2me/arti...ndroid.htm>

NICE @@@@

TAKE PICTURE VIA CAMERA AND PUT THEM IN GALLERY

CODE FOR IMAGE GALLERY

Tutorial:Camera and Gallery Demo

[http://2009.hfoss.org/Tutorial:Camera\\_and\\_Gallery\\_Demo](http://2009.hfoss.org/Tutorial:Camera_and_Gallery_Demo)

@@@@

and

OFFIAL

<http://developer.android.com/guide/tuto...llery.html>

THE ABOVE LINK CODE MAY HAVE PROBLEM...

SOLUTION IS

<http://pdf.jpedal.org/java-pdf-blog/bid...ry-problem>

OTHER image gallery

[http://www.anddev.org/gallery\\_with\\_remo...-t769.html](http://www.anddev.org/gallery_with_remo...-t769.html)

Applying Styles and Themes

<http://developer.android.com/guide/topi...hemes.html>

DIALOGUES

NICEST TUTORIAL EVER

[http://www.anddev.org/tutorial\\_modal\\_dialogs-t4325.html](http://www.anddev.org/tutorial_modal_dialogs-t4325.html)

TIMED DIALOGUE POPUP

<http://stackoverflow.com/questions/4542...in-android>

Complex Dialog BOX

<http://www.brighthub.com/mobile/google-...42185.aspx>

more...

<http://android.ifies.org/tutorial/2009/...le-dialogs>

<http://developer.android.com/guide/topi...stomDialog>

<http://bestsiteinthemultiverse.com/2009...n-example/>

<http://developmentality.net/post/229136...x-tutorial>

AND

with STYLES

[http://www.anddev.org/bosicc\\_custom\\_ale...t7928.html](http://www.anddev.org/bosicc_custom_ale...t7928.html)

<http://androidsamples.blogspot.com/2009...arser.html>

HOW TOs MANY THINGS...INTERESTING

[http://www.frickingnutz.com/files/android\\_pdf/FAQs.pdf](http://www.frickingnutz.com/files/android_pdf/FAQs.pdf)

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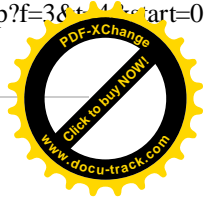
SCREEN TO SCREEN WITH BUTTON

[http://www.anddev.org/screen\\_to\\_next\\_sc...t5341.html](http://www.anddev.org/screen_to_next_sc...t5341.html)

Scrolling with button

<http://bestsiteinthemultiverse.com/2009...n-example/>

SPLASH SCREEN GOOD\*\*\*



<http://www.droidnova.com/how-to-create-...n,561.html>

GOOD ANDROID TUTORIAL SITE

<http://www.dreamincode.net/forums/index...pic=130264>

BEST...

Go Public with Your Android Application: Signing and Deployment

<http://www.devx.com/wireless/Article/39972/1954>

SIGNING AND PUBLISHING YOUR APP

<http://www.brighthub.com/mobile/google-...40899.aspx>

and/or

<http://www.dreamincode.net/forums/showtopic131121.htm>

UI WIDGET GUIDE

<http://www.droiddraw.org/widgetguide.html>

Layout Tricks: Using ViewStubs

<http://d.android.com/resources/articles...stubs.html>

DYNAMIC UIs

<http://www.dreamincode.net/forums/showtopic130521.htm>

GOOD UI DESIGNS

<http://mobiforge.com/designing/story/un...-1-layouts>

Layouts / over lay textview over an image

<http://www.curious-creature.org/2009/02...-tricks-1/>

and

<http://www.curious-creature.org/2009/03...ze-part-1/>

THIS IS TOO NICE OF A LAYOUT SITE PROGRAMMING

Also

<http://www.netmite.com/android/mydroid/...ckage.html>

ANDROID SEND MAIL...

<http://www.vidyut.com/sunit/android/and...dmail.html>

Service Enabled Android

<http://developerlife.com/tutorials/?p=289>

TOUCH SCREENS

<http://www.warriorpoint.com/blog/2009/0...ch-screen/>

Just Interesting

<http://www.madfellas.com/blog/index.cfm...s--Amazing>

Clickable Lists

<http://www.androidsnippets.org/snippets/125/>

An introduction to Text-To-Speech in Android

<http://android-developers.blogspot.com/...ch-in.html>

<http://android-mobile-device.com/2009/0...n-android/>

TAKE A PICTURE

<http://www.damonkohler.com/2009/02/android-recipes.html>

this above code can be used to integrate in the ARMitPro to take a picture as the phone is flipped upside down and send it via email or sms.

ALSO, this site has many more examples

GPS LOCATION, etc

VIBRATE

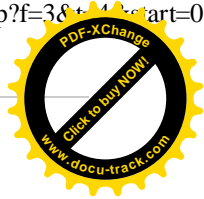
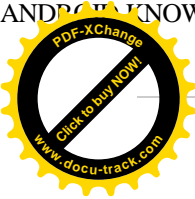
SENSORS

SMS

SILENT RINGER...enable or disable ringer

NICE GPS WHERE ARE MY FRIENDS PROGRAMMING

<http://blogscoped.com/archive/2008-12-15-n14.html>



--HERE also set ringer and some other ideas  
<http://gitorious.org/easyweb2/packages-...tings.java>  
 -----

ANDROID DEEP INSIDE PAPER  
<http://www.openexpo.ch/fileadmin/docume...ntemps.pdf>

SOUNDS.

OFFICIAL AUDIO API  
<http://docs.androidside.com/docs/refere...nager.html>

and  
<http://tkcodesharing.blogspot.com/2009/...sound.html>

More sound reference  
<http://stackoverflow.com/questions/6286...ndroid-app>

and  
<http://www.google.com/search?hl=en&q=an...f&oq=&aqi=>

Custom Audio Streaming with MediaPlayer  
<http://blog.pocketjourney.com/2008/04/0...diaplayer/>

MUSIC PLAYER APPLICATION / SAMPLE CODE / PROJECT (Nice)  
<http://www.helloandroid.com/tutorials/m...yer-part-i>

WATCHOUT...  
 SOUND FIX FOR ANDROID 2.0  
<http://groups.google.com/group/android-...c?lnk=raot>

AUDIO STREAMING  
<http://blog.pocketjourney.com/2008/04/0...diaplayer/>

GAME SOUND CODE  
<http://groups.google.com/group/android-...96bf87eb8e>

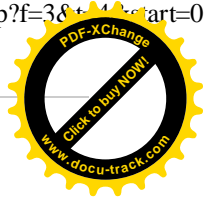
Adding sound and music to an android game  
<http://karanar.net/?p=25>

#####

EXTRAS TO SEARCH  
 - TransitionDrawable...transition backgrounds  
<http://groups.google.com/group/android-...2?lnk=raot>

Playing with Graphics  
<http://www.droidnova.com/playing-with-g...i,147.html>

-----  
 SENSOR CODE  
 package org.android.sample;  
  
 import android.app.Activity;  
 import android.content.Context;  
 import android.content.Intent;  
 import android.hardware.SensorEvent;  
 import android.hardware.SensorEventListener;  
 import android.hardware.SensorManager;  
 import android.hardware.Sensor;  
 import android.os.Bundle;  
  
 import android.widget.TextView;  
  
 public class HelloAccelerometer extends Activity{



```
private TextView mTxtView;

private SensorManager mSensorManager;

@Override
protected void onCreate(Bundle savedInstanceState) {
    // TODO Auto-generated method stub
    super.onCreate(savedInstanceState);

    mSensorManager = (SensorManager) getSystemService(Context.SENSOR_SERVICE);
    mSensorManager.registerListener(mSensorListener, mSensorManager.getDefaultSensor(Sensor.TYPE_ACCELEROMETER),
    SensorManager.SENSOR_DELAY_FASTEST);
    mTxtView = new TextView(this);
    setContentView(mTxtView);
}

public void updateTV(float p_x, float p_y, float p_z)
{
    mTxtView.setText("x: "+p_x+", y: "+p_y+", z: "+p_z);
}

private final SensorEventListener mSensorListener = new SensorEventListener() {

    public void onSensorChanged(SensorEvent se)
    {
        float x = se.values[0];
        float y = se.values[1];
        float z = se.values[2];
        updateTV(x, y, z);
    }

    public void onAccuracyChanged(Sensor sensor, int accuracy) {}
};

@Override
protected void onResume()
{
    super.onResume();
    mSensorManager.registerListener(mSensorListener, mSensorManager.getDefaultSensor(Sensor.TYPE_ACCELEROMETER),
    SensorManager.SENSOR_DELAY_FASTEST);
}

@Override
protected void onStop()
{
    mSensorManager.unregisterListener(mSensorListener);
    super.onStop();
}
}
```

#####

USING INCLUDE TAG TO IMPORT OTHE XML FILES FROM THE SAME DIRECTORY

<http://www.inter-fuser.com/2009/07/andr...slide.html>

BELOW IS PART OF THE SITE.

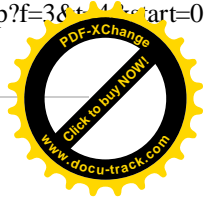
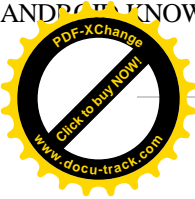
Define a layout with a ViewFlipper

First of all we are going to edit the main.xml layout file in the res/layout directory of the our new android application here it is:

```
view sourceprint?01.<?xml version="1.0" encoding="utf-8"?>
02.<ViewFlipper xmlns:android="http://schemas.android.com/apk/res/android"
03.android:id="@+id/flipper"
04.android:layout_width="fill_parent"
05.android:layout_height="fill_parent"
06.>
07.<include android:id="@+id/first" layout="@layout/first_view" />
08.<include android:id="@+id/second" layout="@layout/second_view" />
09.</ViewFlipper>
```

You can see that we have defined a layout using the ViewFlipper. In the ViewFlipper we've included two views; our first view and our second view. Initially ViewFlipper will show our first child view. We haven't defined these child views yet so lets do that. First we need to create our first view. In the res/layout directory create a new file called first\_view.xml. Now add this xml to the file:

=====



SSH CLIENT... OPEN SOURCE  
<http://connectbot.googlecode.com/svn-hi...ivity.java>

#####

STOP ACTIVITIES RESTARTING  
 ...  
<http://www.anddev.org/viewtopic.php?p=31198>

Thanks for helping out. It figured it out, referring to the exact same site you pointed me to.

I just added a XML:

android:configChanges="orientation"

to my main Activity in the Android Manifest and overrode the onConfigurationChanged(Configuration newConfig) in the corresponding Activity like this:  
 Java:

```
@Override
public void onConfigurationChanged(Configuration newConfig) {
    // TODO Auto-generated method stub
    super.onConfigurationChanged(newConfig);
}
```

Works neatly.  
 Awesome  
 #####  
 MORE ORIENTATION ACTIVITY RESTARTING ISSUE

This one...  
<http://www.anddev.org/viewtopic.php?p=31198>

<http://stackoverflow.com/questions/5847...ose-values>

ALSO...

You can rotate the emulator via...CTRL+F12...

Make use of LOG.d statement for the logcat ADB debugs...

read this for orientation locking...under the screen orientation.  
<http://android-developers.blogspot.com/...-apps.html>

this may be some..  
<http://www.anddev.org/viewtopic.php?p=13371>

MAY BE SOLUTION  
[http://www.anddev.org/detect\\_if\\_orienta...t8689.html](http://www.anddev.org/detect_if_orienta...t8689.html)

#####=====

Test Tabs and activities here with out a map...  
<http://www.androidsnippets.org/snippets/68/>

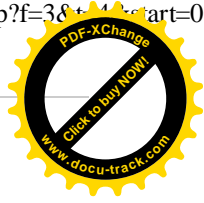
=====  
 adding tabs on a click of a button  
 TAB BACKGROUND AS WELL  
<http://www.coderanch.com/t/444206/Andro...-one-after>

Changing Check Box background  
<http://www.designerandroid.com/?cat=3>  
 =====

dynamic tabs... maybe  
<http://www.androidguys.com/2008/08/12/a...namically/>  
[http://www.anddev.org/solvedactivity\\_wi...t9405.html](http://www.anddev.org/solvedactivity_wi...t9405.html)

THIS ONE  
<http://whyandroid.com/android/162-addin...cally.html>  
 =====

2tabs with browser activities.



<http://www.androidguys.com/2008/12/05/t...h-intents/>

=====

Tab with activity to refresh activity

<http://groups.google.com/group/android-...84bbee2040>

==

CUSTOM AND NICE TABS

<http://devtcg.blogspot.com/2008/03/adva...-demo.html>

===

NICE TAB...THIS ONE SEE..

<http://wshaban.blogspot.com/2008/04/cre...noird.html>

=====

using

[syntax="java"]

ts1.setIndicator("Using Current Location");

ts1.setContent(new TabHost.TabContentFactory(){

public View createTabContent(String tag)

{

MapView mv=(MapView)AddNewLocationBookmark.this.findViewById(R.id.current\_location\_map);

return mv;

}

});

now it works

=====

This one

<http://www.anddev.org/viewtopic.php?p=31151>

<http://vkroz.wordpress.com/2009/07/03/p...-tab-view/>

tabs/maps....and icons in tabs

<http://osdir.com/ml/handhelds.android.d...00161.html>

GPS user tracker

<http://www.calvin.edu/~jpr5/android/tracker.html>

#####

Preferences Saving

<http://thedevelopersinfo.com/2009/11/19...n-android/>

File System

<http://thedevelopersinfo.com/2009/11/26...n-android/>

Image Savings

<http://thedevelopersinfo.com/2009/12/18...n-android/>

Boot up start applications

<http://thedevelopersinfo.com/2009/12/18...n-android/>

Hiding the title bar

<http://thedevelopersinfo.com/2009/10/16...n-android/>

Email sending in Android

<http://thedevelopersinfo.com/2009/10/22...n-android/>

-----

IMAGESVIEW

GALLERY

<http://mobiforge.com/designing/story/un...more-views>

SET RINGTONE IN CODE

<http://stackoverflow.com/questions/1271...y-activity>

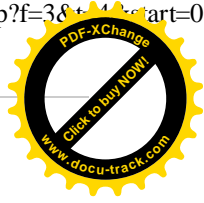
<http://stackoverflow.com/questions/6232...ngs-screen>

VOLUME

<http://stackoverflow.com/questions/6286...ndroid-app>

=====

SoundPool



[http://www.anddev.org/using\\_soundpool\\_i ... t3115.html](http://www.anddev.org/using_soundpool_i...t3115.html)  
[http://groups.google.com/group/android- ... 7537&pli=1](http://groups.google.com/group/android-...7537&pli=1)

#### MAP AND MORE FEATURES

<http://www.anddev.org/viewtopic.php?p=20172>

#### How to take picture in your code

[http://www.brighthub.com/mobile/google- ... 43414.aspx](http://www.brighthub.com/mobile/google-...43414.aspx)

#### Customizing TABS

[http://tholix.com/blog/2009/01/customiz ... icons.html](http://tholix.com/blog/2009/01/customiz...icons.html)

#### TO KNOW

##### UNDOCUMENTED BUTTON IMAGES

button background image stretch

[http://www.anddev.org/tutorial\\_buttons\\_ ... t4369.html](http://www.anddev.org/tutorial_buttons_...t4369.html)

##### BACKGROUND ORIENTATION CHANGE.

also handling rotation events and handing on to data

[http://groups.google.com/group/android- ... 2a01bdfde5](http://groups.google.com/group/android-...2a01bdfde5)

Put the portrait one in res/layout. Put the landscape one in res/layout-land. Name them both the same (e.g., main.xml). And, "poof", it works.

I have three recent blog posts up on AndroidGuys, covering how to handle rotation events. Here's the third, which has links to the first two:

<http://androidguys.com/?p=2723>

##### Timeout screen lock code

[http://stackoverflow.com/questions/5766 ... -idle-time](http://stackoverflow.com/questions/5766...-idle-time)

=====

#### SOUNDPOOL CLASS

#####

Yeah there's something you need to know about SoundPool: Init well before playing - that is, you need to know way ahead of time what sounds you will be using because it doesn't work well to play immediately after initializing. I think they attempt to initialize asynchronously or something because I had problems when I tried to load and play back to back like you're trying there.

When I use SoundPool, I load everything upon creation of the instance of the game then trigger the plays whenever I need them. Here's my current code for SoundPoolSoundManager:

```
public class SoundPoolSoundManager implements SoundManager {
    private static final String TAG = "SoundPoolSoundManager";
```

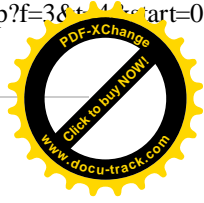
```
    public static final int SOUND_1 = 1;
```

```
    private boolean enabled = true;
    private Context context;
    private SoundPool soundPool;
    private HashMap<Integer, Integer> soundPoolMap;
```

```
    public SoundPoolSoundManager(Context context) {
        this.context = context;
    }
```

```
    public void reInit() {
        init();
    }
```

```
    public void init() {
```



```

if (enabled) {
    Log.d(TAG, "Initializing new SoundPool");
    //re-init sound pool to work around bugs
    release();
    soundPool = new SoundPool(SOUNDPool.STREAMS,
        AudioManager.STREAM_MUSIC, 100);
    soundPoolMap = new HashMap<Integer, Integer>();
    soundPoolMap.put(SOUND_1, soundPool.load(context, R.raw.sound1,
        1));
    Log.d(TAG, "SoundPool initialized");
}
}

public void release() {
    if (soundPool != null) {
        Log.d(TAG, "Closing SoundPool");
        soundPool.release();
        soundPool = null;
        Log.d(TAG, "SoundPool closed");
        return;
    }
}

public void playSound(int sound) {
    if (soundPool != null) {
        Log.d(TAG, "Playing Sound " + sound);
        AudioManager mgr = (AudioManager)
            context.getSystemService(Context.AUDIO_SERVICE);
        int streamVolume = mgr.getStreamVolume(AudioManager.STREAM_MUSIC);
        Integer soundId = soundPoolMap.get(sound);
        if (soundId != null) {
            soundPool.play(soundPoolMap.get(sound), streamVolume,
                streamVolume, 1, 0, 1f);
        }
    }
}

public void setEnabled(boolean enabled) {
    this.enabled = enabled;
}

```

}

#####  
 SET VOLUME HIGH  
 VOLUME SETTING SLIDER  
 AUDIO MANAGER

<http://code.google.com/p/app-soundmanag...olume.java>

THE WHOLE PROJECT

<http://code.google.com/p/app-soundmanag...#trunk/res>

-----  
 SMSPOPUP

<http://code.google.com/p/android-smspop...ce/browse/>

screen shots

<http://code.google.com/p/android-smspopup/>

-----

To set a message usig BUILDER...see line 429-430

<http://code.google.com/p/app-soundmanag...tings.java>

PREFERENCES

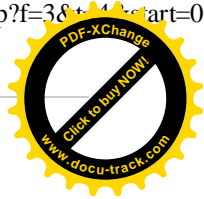
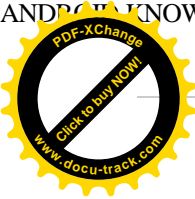
The code you need for TAB2

<http://thedevelopersinfo.com/2009/11/25...n-android/>

<http://stackoverflow.com/questions/5314...erence-sum>

<http://www.androidcompetencycenter.com/...eferences/>





TEST PREF

<http://www.androidsnippets.org/snippets/34/>

#####  
#####  
I need to set the volume high before I sound the siren

Adjusting Audio Manager

<http://www.anddev.org/viewtopic.php?p=31831>

=====

Google Map Navigations

<http://www.anddev.org/viewtopic.php?p=26435>

SATELLITE VIEW

<http://www.anddev.org/viewtopic.php?p=28954>

--

Code:

```
myMapView = (MapView) findViewById(R.id.myGMap);
geoPoint = new GeoPoint((int) (latitude * 1000000), (int) (longitude * 1000000));
myMapView.setSatellite(false);
```

Sample MAP ACTIVITY...

the link above..download the code...

---

CAPTURE CURRENT LOCATION BY CLICK...LONGTITUDE AND LADITUTE

<http://www.anddev.org/viewtopic.php?p=28140>

also see

<http://www.anddev.org/viewtopic.php?p=24007>

FRIEND FINDER CODE

[http://www.anddev.org/the\\_friend\\_finder...i-t93.html](http://www.anddev.org/the_friend_finder...i-t93.html)

=====

CRAZY LONG LOGIN SCREEN PROCESS

<http://www.anddev.org/viewtopic.php?p=20994>

-----

Using ProgressDialog in Android Activity

<http://thedevelopersinfo.com/2009/10/16...-activity/>

and

Using Handler for long-time operations in Android

<http://thedevelopersinfo.com/2009/10/19...n-android/>

more...

PROGRESS SHOW AND DISMISS

```
myProgressDialog = ProgressDialog.show(YOURCLASSNAME.this,
    "Please wait...", "Doing Extreme Calculations...", true);
```

then...after done operation...call

```
myProgressDialog.dismiss();
```

CELLID

[http://www.anddev.org/poor\\_mans\\_gps\\_-c...-t257.html](http://www.anddev.org/poor_mans_gps_-c...-t257.html)

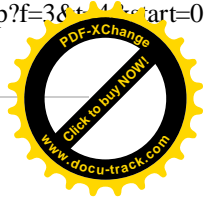
=====

KEYGUARD LOCK

<http://www.androidsoftwaredeveloper.com...-keyguard/>

see the managekeyguard link

here see the enable and disable methods



<http://www.google.com/codesearch/p?hl=e...d-smstopup\googlecode\com>

=====

RADAR RADAR RADAR#####

<http://code.google.com/p/apps-for-andro...runk/Radar>  
[http://www.anddev.org/panoramio\\_and\\_rad...t2920.html](http://www.anddev.org/panoramio_and_rad...t2920.html)

need entry in main.xml

<http://code.google.com/p/apps-for-andro.../radar.xml>

people who implemented RADAR

<http://groups.google.com/group/android-...ba87263bb5>

-----

MAP WITH PHOTOES OF ALL OVER THE WORLD

<http://www.panoramio.com/>

COOL WATCH PHONE

<http://www.coolest-gadgets.com/page/46/>

=====

I THINK BEST PREFERENCE EXAMPLE

<http://www.old.kaloer.com/android-preferences/>

=====

LANDSCAPE TO PORTRAIT background image change

customize background image based on device..

<http://stackoverflow.co>

=====

How to send the coords of a location via URL from the phone...

In MAP code, get the lat+long

Then append them like this...

<http://maps.google.com/maps?q=40.148143...5588378906> between the lat and long append "+" in the middle

TRICK

How to get the coordinates (lat and long) from the browser in Maps.google.com

- 1) first find the location via address using google maps
- 2) then once the location is found and your location is in the center,
- 3) paste this code in the browser address bar and enter... (---> javascript:void(prompt("gApplication.getMap().getCenter());) <-----)

source

[http://www.tech-recipes.com/rx/2403/goo...de\\_values/](http://www.tech-recipes.com/rx/2403/goo...de_values/)

=====

Keyguard lock

<http://www.androidsnippets.org/snippets/43/>

THIS IS ALL THE LITTLE THINGS NEEDED

<http://www.androidsnippets.org/>

Get the phone's LAST KNOWN LOCATION

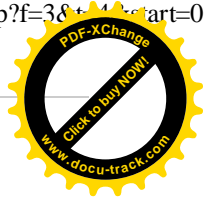
<http://www.androidsnippets.org/snippets/21/>

POWER MANAGER

<http://www.anddev.org/viewtopic.php?p=32873>

=====

CELLID.JAVA



<http://www.devx.com/wireless/Article/40524/0/page/1>

BEST BEST CELL ID

ERRICSON CELLID TUTORIALS

<https://labs.ericsson.com/apis/mobile-l...on-android>

<https://labs.ericsson.com/apis/mobile-l...umentation>

-----

Image Gallery

<http://www.androidsnippets.org/snippets/25/>

...and

<http://android-er.blogspot.com/2009/08/...idget.html>

...and

Tutorial:Camera and Gallery Demo

[http://2009.hfoss.org/Tutorial:Camera\\_and\\_Gallery\\_Demo](http://2009.hfoss.org/Tutorial:Camera_and_Gallery_Demo)

[http://2009.hfoss.org/Tutorial:Camera/Gallery\\_Part\\_II](http://2009.hfoss.org/Tutorial:Camera/Gallery_Part_II)

...and

<http://androidsamples.blogspot.com/2009...ages.html>

Overlaying images...Transparent images

<http://stackoverflow.com/questions/9619...in-android>

-----

BASIC SMS SENDING

This one

<http://mobiforge.com/developing/story/s...ng-android>

then

...

<http://stackoverflow.com/questions/9689...ry-message>

This sample shows how to send an SMS message to a mobile phone.

...

```
public void SmsMessageSend()
{
```

```
SmsMessage smsMessage = new SmsMessage();
```

```
//Set the message body and recipient.
```

```
smsMessage.Body = "Would you like to meet for lunch?";
```

```
smsMessage.To.Add(new Recipient("John Doe", "2065550199"));
```

```
smsMessage.RequestDeliveryReport = true;
```

```
//Send the SMS message.
```

```
smsMessage.Send();
```

```
return;
```

```
}
```

```
*****
```

```
..
```

```
sms
```

<http://thinkandroid.wordpress.com/2010/...plication/>

```
--
```

```
SmsManager sm = SmsManager.getDefault();
```

```
// here is where the destination of the text should go
```

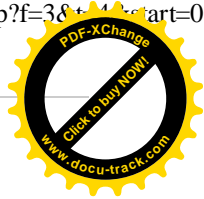
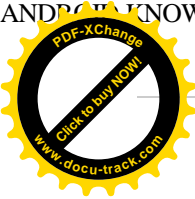
```
String number = "6508570720";
```

```
sm.sendTextMessage(number, null, "Test SMS Message", null, null);
```

Need manifest permission

```
<uses-permission android:name="android.permission.SEND_SMS"></uses-permission>
```

-----



JAVA MAIL - ADNROID MAIL  
download these jars first  
<http://code.google.com/p/javamail-andro...loads/list>

\*\*\*\*\*  
Nice Java Mail tutorial  
Small Email program code  
<http://www.builderau.com.au/program/jav...936.00.htm>

Sending Email on Android by SMTP (Gmail) Example Class  
<http://snippplr.com/view/16644/sending-e...ple-class/>

Java Mail sending mail  
<http://stackoverflow.com/questions/2020...ndroid-app>

...  
<http://groups.google.com/group/android-...a1b6957a9#>

THIS  
<http://davanum.wordpress.com/2007/12/22...-via-smtp/>

Good mail SMTP  
<http://k9mail.googlecode.com/issues/att...sport.java>

-----  
CELLID  
WOW--- CELL ID WITH MANY INFORMATION EXTRACTED.  
<http://gears.googlecode.com/svn/trunk/g...vider.java>

GOOD CELLID  
<http://svn2.assembla.com/svn/AndroidLoc...ation.java>

CELL ID..ANOTHER ONE  
<http://davanum.wordpress.com/2007/12/01...cellidlac/>

GOOD CELL ID  
<http://mobiforge.com/developing/story/a...ing-cellid>

-----  
How to get all 6 neighborhood cell ids on Android  
6 CellIds  
<http://stackoverflow.com/questions/1693...on-android>

#####

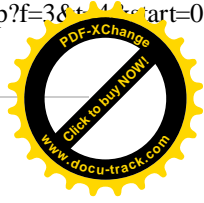
WATCH OUT THIS ONLY WORKS WITH ERICSON PHONES

ERICSON CELLID 3.9Mil Unique Ids.  
package com.ericsson;

-----  
MobileLocationDemoActivity.java

```
import java.io.ByteArrayOutputStream;
import java.io.IOException;
import java.io.InputStream;
import java.net.HttpURLConnection;
import java.net.MalformedURLException;
```

```
import org.apache.http.HttpEntity;
import org.apache.http.HttpResponse;
import org.apache.http.client.HttpClient;
import org.apache.http.client.methods.HttpGet;
import org.apache.http.impl.client.DefaultHttpClient;
import org.json.JSONException;
import org.json.JSONObject;
```



```
import android.app.Activity;
import android.content.Context;
import android.os.Bundle;
import android.telephony.TelephonyManager;
import android.telephony.gsm.GsmCellLocation;
import android.util.Log;
import android.view.Gravity;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

public class MobileLocationDemoActivity extends Activity {

    private final static String API_KEY = "INSERT KEY HERE";

    private TelephonyManager tm;
    private GsmCellLocation location;
    private int cid, lac, mcc, mnc, cellPadding;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.main);

        tm = (TelephonyManager) getSystemService(Context.TELEPHONY_SERVICE);

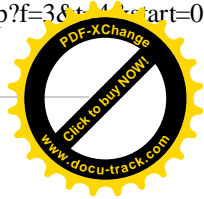
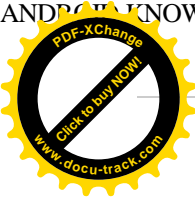
        /**
         * Setup a listener for the UpdateCellButton. Pressing this button will fetch
         * the current cell info from the phone.
         */
        final Button UpdateCellButton = (Button) findViewById(R.id.UpdateCellButton);
        UpdateCellButton.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                location = (GsmCellLocation) tm.getCellLocation();
                cid = location.getCid();
                lac = location.getLac();

                /**
                 * Mcc and mnc is concatenated in the networkOperatorString. The first 3
                 * chars is the mcc and the last 2 is the mnc.
                 */
                String networkOperator = tm.getNetworkOperator();
                if (networkOperator != null && networkOperator.length() > 0) {
                    try {
                        mcc = Integer.parseInt(networkOperator.substring(0, 3));
                        mnc = Integer.parseInt(networkOperator.substring(3));
                    } catch (NumberFormatException e) {
                    }
                }

                /**
                 * Check if the current cell is a UMTS (3G) cell. If a 3G cell the cell id
                 * padding will be 8 numbers, if not 4 numbers.
                 */
                if (tm.getNetworkType() == TelephonyManager.NETWORK_TYPE_UMTS) {
                    cellPadding = 8;
                } else {
                    cellPadding = 4;
                }

                /**
                 * Update the GUI with the current cell's info
                 */
                ((TextView) findViewById(R.id.TextView01)).setText("CellID: "
                    + getPaddedHex(cid, cellPadding));
                ((TextView) findViewById(R.id.TextView02)).setText("Lac: "
                    + getPaddedHex(lac, 4));
                ((TextView) findViewById(R.id.TextView03)).setText("Mcc: "
                    + getPaddedInt(mcc, 3));
                ((TextView) findViewById(R.id.TextView04)).setText("Mnc: "
                    + getPaddedInt(mnc, 2));
            }
        });

        /**
```



```

* Setup a listener for the GetPositionButton. When pressing this button the
* cell info is sent to the server and hopefully we will get a longitude and
* latitude back.
*/
final Button GetPositionButton = (Button) findViewById(R.id.GetPositionButton);
GetPositionButton.setOnClickListener(new View.OnClickListener() {
    public void onClick(View v) {

        String strResult;

        /**
         * Seems that cid and lac shall be in hex. Cid should be padded with zero's
         * to 8 numbers if UMTS (3G) cell, otherwise to 4 numbers. Mcc padded to 3
         * numbers. Mnc padded to 2 numbers.
         */
        try {
            // Update the current location
            updateLocation(getPaddedHex(cid, cellPadding), getPaddedHex(lac, 4),
                getPaddedInt(mnc, 2), getPaddedInt(mcc, 3));
            strResult = "Position updated!";
        } catch (IOException e) {
            strResult = "Error!\n" + e.getMessage();
        }

        // Show an info Toast with the results of the updateLocation
        // call.
        Toast t = Toast.makeText(getApplicationContext(), strResult,
            Toast.LENGTH_LONG);
        t.setGravity(Gravity.CENTER_VERTICAL, 0, 0);
        t.show();
    }
});

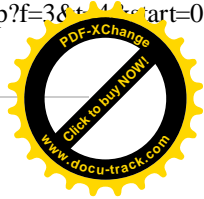
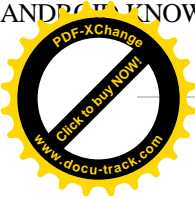
/**
 * Convert an int to an hex String and pad with 0's up to minLen.
 */
String getPaddedHex(int nr, int minLen) {
    String str = Integer.toHexString(nr);
    if (str != null) {
        while (str.length() < minLen) {
            str = "0" + str;
        }
    }
    return str;
}

/**
 * Convert an int to String and pad with 0's up to minLen.
 */
String getPaddedInt(int nr, int minLen) {
    String str = Integer.toString(nr);
    if (str != null) {
        while (str.length() < minLen) {
            str = "0" + str;
        }
    }
    return str;
}

/**
 *
 */
private void updateLocation(String cid, String lac, String mnc, String mcc)
    throws IOException {
    InputStream is = null;
    ByteArrayOutputStream bos = null;
    byte[] data = null;
    try {

        // Build the url
        StringBuilder uri = new StringBuilder("http://cellid.labs.ericsson.net/");
        // Set this param to xml to get the server response in XML instead
        // of json
        uri.append("json");
        uri.append("/lookup?cellid=").append(cid);
        uri.append("&mnc=").append(mnc);
        uri.append("&mcc=").append(mcc);
    }
}

```



```

uri.append("&lat=").append(lat);
uri.append("&key=").append(API_KEY);

// Create an HttpGet request
HttpGet request = new HttpGet(uri.toString());

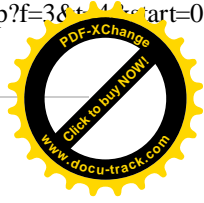
// Send the HttpGet request
HttpClient httpClient = new DefaultHttpClient();
HttpResponse response = httpClient.execute(request);

// Check the response status
int status = response.getStatusLine().getStatusCode();
if (status != HttpURLConnection.HTTP_OK) {
    switch (status) {
        case HttpURLConnection.HTTP_NO_CONTENT:
            throw new IOException("The cell could not be " + "found in the database");
        case HttpURLConnection.HTTP_BAD_REQUEST:
            throw new IOException("Check if some parameter "
+ "is missing or misspelled");
        case HttpURLConnection.HTTP_UNAUTHORIZED:
            throw new IOException("Make sure the API key is " + "present and valid");
        case HttpURLConnection.HTTP_FORBIDDEN:
            throw new IOException("You have reached the limit"
+ "for the number of requests per day. The "
+ "maximum number of requests per day is " + "currently 500.");
        case HttpURLConnection.HTTP_NOT_FOUND:
            throw new IOException("The cell could not be found" + "in the database");
        default:
            throw new IOException("HTTP response code: " + status);
    }
}

// The response was ok (HTTP_OK) so lets read the data
HttpEntity entity = response.getEntity();
is = entity.getContent();
bos = new ByteArrayOutputStream();
byte buf[] = new byte[256];
while (true) {
    int rd = is.read(buf, 0, 256);
    if (rd == -1)
        break;
    bos.write(buf, 0, rd);
}
bos.flush();
data = bos.toByteArray();
if (data != null) {
    try {
        // Parse the Json data
        JSONObject position = new JSONObject(new String(data))
        .getJSONObject("position");

        // update the GUI items with the received position info
        ((TextView) findViewById(R.id.position_longitude)).setText("Longitude: "
+ position.getDouble("longitude"));
        ((TextView) findViewById(R.id.position_latitude)).setText("Latitude: "
+ position.getDouble("latitude"));
        ((TextView) findViewById(R.id.position_name)).setText("Name: "
+ position.getString("name"));
        ((TextView) findViewById(R.id.position_accuracy)).setText("Accuracy: "
+ position.getDouble("accuracy"));
    } catch (JSONException e) {
        e.printStackTrace();
    } catch (Exception e) {
        e.printStackTrace();
    }
} catch (MalformedURLException e) {
    Log.e("ERROR", e.getMessage());
} catch (IllegalArgumentException e) {
    throw new IOException(
"URL was incorrect. Did you forget to set the API_KEY?");
} finally {
    // make sure we clean up after us
    try {
        if (bos != null)
            bos.close();
    } catch (Exception e) {
    }
}

```



```
try {
    if (is != null)
        is.close();
    } catch (Exception e) {
    }
}
}
}
}
```

-----  
layout/main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">

    <TextView android:text="CellID: " android:id="@+id/TextView01"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <TextView android:text="Lac: " android:id="@+id/TextView02"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <TextView android:text="Mcc: " android:id="@+id/TextView03"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <TextView android:text="Mnc: " android:id="@+id/TextView04"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <Button android:text="Update cell" android:id="@+id/UpdateCellButton"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"/>

    <TextView android:text="Latitude: " android:id="@+id/position_latitude"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <TextView android:text="Longitude: " android:id="@+id/position_longitude"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <TextView android:text="Name: " android:id="@+id/position_name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

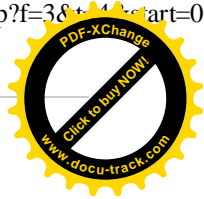
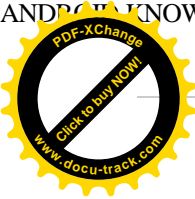
    <TextView android:text="Accuracy: " android:id="@+id/position_accuracy"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <Button android:text="Get position" android:id="@+id/GetPositionButton"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"/>
</LinearLayout>
```

-----  
AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.ericsson"
    android:versionCode="1"
    android:versionName="1.0">
    <application android:icon="@drawable/icon" android:label="@string/app_name" android:debuggable="true">
        <activity android:name=".MobileLocationDemoActivity"
            android:label="@string/app_name">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
    <uses-sdk android:minSdkVersion="3" />
```





```
<uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION"></uses-permission>
<uses-permission android:name="android.permission.INTERNET"></uses-permission>
</manifest>
```

```
#####
```

LinuxJournal intro to Android  
<http://www.linuxjournal.com/article/10453>

```
#####
```

JAVA SMTP MAIL  
<http://k9mail.googlecode.com/issues/att...sport.java>

```
--
```

```
package com.android.email.mail.transport;
```

```
import java.io.BufferedInputStream;
import java.io.BufferedOutputStream;
import java.io.IOException;
import java.io.OutputStream;
import java.net.InetAddress;
import java.net.InetSocketAddress;
import java.net.Socket;
import java.net.SocketAddress;
import java.net.URI;
import java.net.URISyntaxException;
import java.security.GeneralSecurityException;
import java.security.SecureRandom;
import java.util.ArrayList;
import java.util.List;
```

```
import javax.net.ssl.SSLContext;
import javax.net.ssl.TrustManager;
import javax.net.ssl.SSLException;
```

```
import android.util.Config;
import android.util.Log;
```

```
import com.android.email.Email;
import com.android.email.PeekableInputStream;
import com.android.email.codec.binary.Base64;
import com.android.email.mail.Address;
import com.android.email.mail.AuthenticationFailedException;
import com.android.email.mail.Message;
import com.android.email.mail.MessagingException;
import com.android.email.mail.Store;
import com.android.email.mail.Transport;
import com.android.email.mail.CertificateValidationException;
import com.android.email.mail.Message.RecipientType;
import com.android.email.mail.store.TrustManagerFactory;
```

```
public class SmtptTransport extends Transport {
    public static final int CONNECTION_SECURITY_NONE = 0;

    public static final int CONNECTION_SECURITY_TLS_OPTIONAL = 1;

    public static final int CONNECTION_SECURITY_TLS_REQUIRED = 2;

    public static final int CONNECTION_SECURITY_SSL_REQUIRED = 3;

    public static final int CONNECTION_SECURITY_SSL_OPTIONAL = 4;
```

```
String mHost;
```

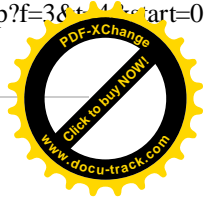
```
int mPort;
```

```
String mUsername;
```

```
String mPassword;
```

```
int mConnectionSecurity;
```

```
boolean mSecure;
```



```

Socket mSocket;

PeekableInputStream mIn;

OutputStream mOut;

/**
 * smtp://user:password@server:port CONNECTION_SECURITY_NONE
 * smtp+tls://user:password@server:port CONNECTION_SECURITY_TLS_OPTIONAL
 * smtp+tls+://user:password@server:port CONNECTION_SECURITY_TLS_REQUIRED
 * smtp+ssl+://user:password@server:port CONNECTION_SECURITY_SSL_REQUIRED
 * smtp+ssl://user:password@server:port CONNECTION_SECURITY_SSL_OPTIONAL
 */
@param _uri
*/
public SmtptTransport(String _uri) throws MessagingException {
    URI uri;
    try {
        uri = new URI(_uri);
    } catch (URISyntaxException use) {
        throw new MessagingException("Invalid SmtptTransport URI", use);
    }

    String scheme = uri.getScheme();
    if (scheme.equals("smtp")) {
        mConnectionSecurity = CONNECTION_SECURITY_NONE;
        mPort = 25;
    } else if (scheme.equals("smtp+tls")) {
        mConnectionSecurity = CONNECTION_SECURITY_TLS_OPTIONAL;
        mPort = 25;
    } else if (scheme.equals("smtp+tls+")) {
        mConnectionSecurity = CONNECTION_SECURITY_TLS_REQUIRED;
        mPort = 25;
    } else if (scheme.equals("smtp+ssl+")) {
        mConnectionSecurity = CONNECTION_SECURITY_SSL_REQUIRED;
        mPort = 465;
    } else if (scheme.equals("smtp+ssl")) {
        mConnectionSecurity = CONNECTION_SECURITY_SSL_OPTIONAL;
        mPort = 465;
    } else {
        throw new MessagingException("Unsupported protocol");
    }

    mHost = uri.getHost();

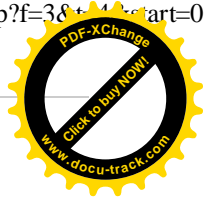
    if (uri.getPort() != -1) {
        mPort = uri.getPort();
    }

    if (uri.getUserInfo() != null) {
        String[] userInfoParts = uri.getUserInfo().split(":", 2);
        mUsername = userInfoParts[0];
        if (userInfoParts.length > 1) {
            mPassword = userInfoParts[1];
        }
    }

    public void open() throws MessagingException {
        try {
            SocketAddress socketAddress = new InetSocketAddress(mHost, mPort);
            if (mConnectionSecurity == CONNECTION_SECURITY_SSL_REQUIRED ||
                mConnectionSecurity == CONNECTION_SECURITY_SSL_OPTIONAL) {
                SSLContext sslContext = SSLContext.getInstance("TLS");
                boolean secure = mConnectionSecurity == CONNECTION_SECURITY_SSL_REQUIRED;
                sslContext.init(null, new TrustManager[] {
                    TrustManagerFactory.get(mHost, secure)
                }, new SecureRandom());
                mSocket = sslContext.getSocketFactory().createSocket();
                mSocket.connect(socketAddress, SOCKET_CONNECT_TIMEOUT);
                mSecure = true;
            } else {
                mSocket = new Socket();
                mSocket.connect(socketAddress, SOCKET_CONNECT_TIMEOUT);
            }

            // RFC 1047
            mSocket.setSoTimeout(SOCKET_READ_TIMEOUT);

```



```

mIn = new PeekableInputStream(new BufferedInputStream(mSocket.getInputStream(), 1024));
mOut = mSocket.getOutputStream();

// Eat the banner
executeSimpleCommand(null);

String localhost = "localhost.localdomain";
try {
    InetAddress localAddress = InetAddress.getLocalHost();
    if (!localAddress.isLoopbackAddress()) {
        // The loopback address will resolve to 'localhost'
        // some mail servers only accept qualified hostnames, so make sure
        // never to override "localhost.localdomain" with "localhost"
        // TODO - this is a hack. but a better hack than what was there before
        localhost = localAddress.getHostName();
    }
} catch (Exception e) {
    if (Config.LOGD) {
        if (Email.DEBUG) {
            Log.d(Email.LOG_TAG, "Unable to look up localhost");
        }
    }
}

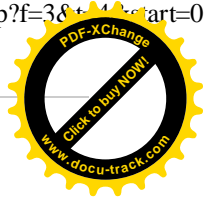
List<String> results = executeSimpleCommand("EHLO " + localhost);

/*
 * TODO may need to add code to fall back to HELO I switched it from
 * using HELO on non STARTTLS connections because of AOL's mail
 * server. It won't let you use AUTH without EHLO.
 * We should really be paying more attention to the capabilities
 * and only attempting auth if it's available, and warning the user
 * if not.
 */
if (mConnectionSecurity == CONNECTION_SECURITY_TLS_OPTIONAL
    || mConnectionSecurity == CONNECTION_SECURITY_TLS_REQUIRED) {
    if (results.contains("STARTTLS")) {
        executeSimpleCommand("STARTTLS");

        SSLContext sslContext = SSLContext.getInstance("TLS");
        boolean secure = mConnectionSecurity == CONNECTION_SECURITY_TLS_REQUIRED;
        sslContext.init(null, new TrustManager[] {
            TrustManagerFactory.get(mHost, secure)
        }, new SecureRandom());
        mSocket = sslContext.getSocketFactory().createSocket(mSocket, mHost, mPort,
            true);
        mIn = new PeekableInputStream(new BufferedInputStream(mSocket.getInputStream(),
            1024));
        mOut = mSocket.getOutputStream();
        mSecure = true;
    }
    /*
     * Now resend the EHLO. Required by RFC2487 Sec. 5.2, and more specifically,
     * Exim.
     */
    results = executeSimpleCommand("EHLO " + localhost);
} else if (mConnectionSecurity == CONNECTION_SECURITY_TLS_REQUIRED) {
    throw new MessagingException("TLS not supported but required");
}

/*
 * result contains the results of the EHLO in concatenated form
 */
boolean authLoginSupported = false;
boolean authPlainSupported = false;
for (String result : results)
{
    if (result.matches(".*AUTH.*LOGIN.*$") == true)
    {
        authLoginSupported = true;
    }
    if (result.matches(".*AUTH.*PLAIN.*$") == true)
    {
        authPlainSupported = true;
    }
}

```



```

        if (mUsername != null && mUsername.length() > 0 && mPassword != null
            && mPassword.length() > 0) {
            if (authPlainSupported) {
                saslAuthPlain(mUsername, mPassword);
            }
            else if (authLoginSupported) {
                saslAuthLogin(mUsername, mPassword);
            }
            else {
                throw new MessagingException("No valid authentication mechanism found.");
            }
        } catch (SSLException e) {
            throw new CertificateValidationException(e.getMessage(), e);
        } catch (GeneralSecurityException gse) {
            throw new MessagingException(
                "Unable to open connection to SMTP server due to security error.", gse);
        } catch (IOException ioe) {
            throw new MessagingException("Unable to open connection to SMTP server.", ioe);
        }
    }

    public void sendMessage(Message message) throws MessagingException {
        close();
        open();
        Address[] from = message.getFrom();
        boolean possibleSend = false;
        try {
            executeSimpleCommand("MAIL FROM: " + "<" + from[0].getAddress() + ">");
            for (Address address : message.getRecipients(RecipientType.TO)) {
                executeSimpleCommand("RCPT TO: " + "<" + address.getAddress() + ">");
            }
            for (Address address : message.getRecipients(RecipientType.CC)) {
                executeSimpleCommand("RCPT TO: " + "<" + address.getAddress() + ">");
            }
            for (Address address : message.getRecipients(RecipientType.BCC)) {
                executeSimpleCommand("RCPT TO: " + "<" + address.getAddress() + ">");
            }
            message.setRecipients(RecipientType.BCC, null);
            executeSimpleCommand("DATA");
            // TODO byte stuffing
            message.writeTo(
                new EOLConvertingOutputStream(
                    new BufferedOutputStream(mOut, 1024)));

            possibleSend = true; // After the "\r\n." is attempted, we may have sent the message
            executeSimpleCommand("\r\n.");
        } catch (Exception e) {
            MessagingException me = new MessagingException("Unable to send message", e);
            me.setPermanentFailure(possibleSend);
            throw me;
        }
        finally
        {
            close();
        }

    }

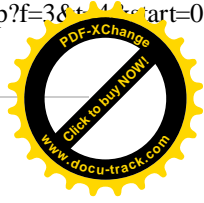
    public void close() {
        try {
            mIn.close();
        } catch (Exception e) {

        }
        try {
            mOut.close();
        } catch (Exception e) {

        }
        try {
            mSocket.close();
        } catch (Exception e) {

        }
        mIn = null;
    }

```



```

mOut = null;
mSocket = null;
}

private String readLine() throws IOException {
    StringBuffer sb = new StringBuffer();
    int d;
    while ((d = mIn.read()) != -1) {
        if (((char)d) == '\r') {
            continue;
        } else if (((char)d) == '\n') {
            break;
        } else {
            sb.append((char)d);
        }
    }
    String ret = sb.toString();
    if (Email.DEBUG) {
        Log.d(Email.LOG_TAG, "SMTP <<< " + ret);
    }

    return ret;
}

private void writeLine(String s) throws IOException {
    if (Email.DEBUG) {
        Log.d(Email.LOG_TAG, "SMTP >>> " + s);
    }
    mOut.write(s.getBytes());
    mOut.write("\r");
    mOut.write("\n");
    mOut.flush();
}

private void checkLine(String line) throws MessagingException
{
    if (line.length() < 1)
    {
        throw new MessagingException("SMTP response is 0 length");
    }
    char c = line.charAt(0);
    if ((c == '4') || (c == '5')) {
        throw new MessagingException(line);
    }
}

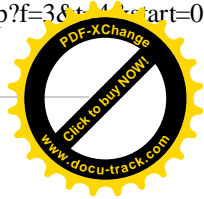
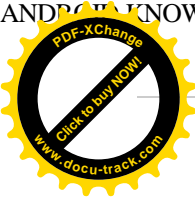
private List<String> executeSimpleCommand(String command) throws IOException, MessagingException {
    List<String> results = new ArrayList<String>();
    if (command != null) {
        writeLine(command);
    }

    boolean cont = false;
    do
    {
        String line = readLine();
        checkLine(line);
        if (line.length() >= 4)
        {
            results.add(line);
            if (line.charAt(3) == '-')
            {
                cont = true;
            }
        }
        else
        {
            cont = false;
        }
    } while (cont);
    return results;
}

}

// C: AUTH LOGIN
// S: 334 VXNlcm5hbWU6
// C: d2VsZG9u

```



```
// S: 334 UGFzc3dvcmQ6
// C: dzNsZDBu
// S: 235 2.0.0 OK Authenticated
//
// Lines 2-5 of the conversation contain base64-encoded information. The same conversation, with base64 strings decoded, reads:
//
//
// C: AUTH LOGIN
// S: 334 Username:
// C: weldon
// S: 334 Password:
// C: w3ld0n
// S: 235 2.0.0 OK Authenticated
```

```
private void saslAuthLogin(String username, String password) throws MessagingException,
AuthenticationFailedException, IOException {
    try {
        executeSimpleCommand("AUTH LOGIN");
        executeSimpleCommand(new String(Base64.encodeBase64(username.getBytes())));
        executeSimpleCommand(new String(Base64.encodeBase64(password.getBytes())));
    }
    catch (MessagingException me) {
        if (me.getMessage().length() > 1 && me.getMessage().charAt(1) == '3') {
            throw new AuthenticationFailedException("AUTH LOGIN failed (" + me.getMessage()
+ ")");
        }
        throw me;
    }
}
```

```
private void saslAuthPlain(String username, String password) throws MessagingException,
AuthenticationFailedException, IOException {
    byte[] data = ("\000" + username + "\000" + password).getBytes();
    data = new Base64().encode(data);
    try {
        executeSimpleCommand("AUTH PLAIN " + new String(data));
    }
    catch (MessagingException me) {
        if (me.getMessage().length() > 1 && me.getMessage().charAt(1) == '3') {
            throw new AuthenticationFailedException("AUTH PLAIN failed (" + me.getMessage()
+ ")");
        }
        throw me;
    }
}
```

#####

SEND NOTIFICATION FROM A SERVICE

<http://stackoverflow.com/questions/1207...in-android>

=====

There are only 10 types of people in the world...  
Those who know binary and those who don't.

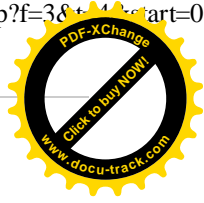
#####

<http://www.anddev.org/viewtopic.php?p=26603>

Camera Image Capture...G00000000000D

...

```
import android.app.Activity;
import android.app.AlertDialog;
import android.content.Context;
import android.content.Intent;
import android.graphics.Canvas;
import android.graphics.Paint;
import android.graphics.PixelFormat;
import android.graphics.Rect;
import android.net.Uri;
import android.os.Handler;
import android.os.Message;
import android.os.Bundle;
import android.provider.MediaStore.Images;
```



```
import android.provider.MediaStore.Video;
import android.view.Menu;
import android.view.MenuItem;
import android.view.SurfaceHolder;
import android.view.SurfaceView;
import android.view.KeyEvent;
import android.view.Window;
import android.hardware.Camera;
import android.hardware.Camera.PictureCallback;
import android.hardware.Camera.ShutterCallback;

import android.util.Log;

public class CameraApiTest extends Activity implements SurfaceHolder.Callback
{
    private static final String TAG = "CameraApiTest";
    Camera mCamera;
    boolean mPreviewRunning = false;
    Context context;
    public void onCreate(Bundle icle)
    {
        super.onCreate(icle);
        requestWindowFeature(Window.FEATURE_NO_TITLE);
        Log.e(TAG, "onCreate");

        getWindow().setFormat(PixelFormat.TRANSLUCENT);

        setContentView(R.layout.camera_api_test);
        mSurfaceView = (SurfaceView)findViewById(R.id.surface);

        mSurfaceHolder = mSurfaceView.getHolder();
        mSurfaceHolder.addCallback(this);
        mSurfaceHolder.setType(SurfaceHolder.SURFACE_TYPE_PUSH_BUFFERS);
    }

    public boolean onCreateOptionsMenu(android.view.Menu menu) {
        MenuItem item = menu.add(0, 0, 0, "goto gallery");
        item.setOnMenuItemClickListener(new MenuItem.OnMenuItemClickListener() {
            public boolean onMenuItemClick(MenuItem item) {
                Uri target = Uri.parse("content://media/external/images/media");
                Intent intent = new Intent(Intent.ACTION_VIEW, target);
                startActivity(intent);
                return true;
            }
        });
        return true;
    }

    @Override
    protected void onRestoreInstanceState(Bundle savedInstanceState)
    {
        super.onRestoreInstanceState(savedInstanceState);
    }

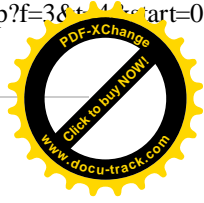
    Camera.PictureCallback mPictureCallback = new Camera.PictureCallback() {
        public void onPictureTaken(byte[] data, Camera c) {
            Log.e(TAG, "PICTURE CALLBACK: data.length = " + data.length);
            mCamera.startPreview();
        }
    };

    public boolean onKeyDown(int keyCode, KeyEvent event)
    {
        if (keyCode == KeyEvent.KEYCODE_BACK) {
            return super.onKeyDown(keyCode, event);
        }

        if (keyCode == KeyEvent.KEYCODE_SPACE) {
            mCamera.takePicture(shutterCallback, rawCallback, mPictureCallback);
            return true;
        }

        return false;
    }

    ShutterCallback shutterCallback = new ShutterCallback() {
```



```

public void onShutter() {
    // TODO Do something when the shutter closes.
}

};

PictureCallback rawCallback = new PictureCallback() {
    public void onPictureTaken(byte[] _data, Camera _camera) {
        // TODO Do something with the image RAW data.
    }
};

protected void onResume()
{
    Log.e(TAG, "onResume");
    super.onResume();
}

protected void onSaveInstanceState(Bundle outState)
{
    super.onSaveInstanceState(outState);
}

protected void onStop()
{
    Log.e(TAG, "onStop");
    super.onStop();
}

public void surfaceCreated(SurfaceHolder holder)
{
    Log.e(TAG, "surfaceCreated");
    mCamera = Camera.open();
    //mCamera.startPreview();
}

public void surfaceChanged(SurfaceHolder holder, int format, int w, int h)
{
    Log.e(TAG, "surfaceChanged");

    // XXX stopPreview() will crash if preview is not running
    if (mPreviewRunning) {
        mCamera.stopPreview();
    }

    Camera.Parameters p = mCamera.getParameters();
    p.setPreviewSize(w, h);
    mCamera.setParameters(p);
    try{
        mCamera.setPreviewDisplay(holder);
    }catch(Exception e)
    {
        new AlertDialog.Builder(context).setTitle("Error")
        .setMessage(e.getMessage())
        .setPositiveButton("OK", null).show();
    }
    mCamera.startPreview();
    mPreviewRunning = true;
}

public void surfaceDestroyed(SurfaceHolder holder)
{
    Log.e(TAG, "surfaceDestroyed");
    mCamera.stopPreview();
    mPreviewRunning = false;
    mCamera.release();
}

private SurfaceView mSurfaceView;
private SurfaceHolder mSurfaceHolder;
}

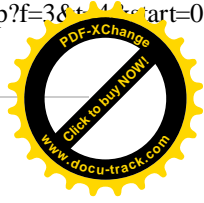
.....

SAVE CAMERA IMAGE
http://stackoverflow.com/questions/1910...ure-intent
.....

private void saveFullImage() {
    Intent intent = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);

```





```
File file = new File(Environment.getExternalStorageDirectory(), "test.jpg");
outputFileUri = Uri.fromFile(file);
intent.putExtra(MediaStore.EXTRA_OUTPUT, outputFileUri);
startActivityForResult(intent, TAKE_PICTURE);
}
```

```
@Override
protected void onActivityResult(int requestCode, int resultCode, Intent data) {
    if ((requestCode == TAKE_PICTURE) && (resultCode == Activity.RESULT_OK)) {
        // Check if the result includes a thumbnail Bitmap
        if (data == null) {
            // TODO Do something with the full image stored
            // in outputFileUri. Perhaps copying it to the app folder
        }
    }
}
```

.....  
 CAMERA IMAGE CAPTURE...GOOD  
<http://stackoverflow.com/questions/1567...he-gallery>

Good Image capture  
<http://www.anddev.org/viewtopic.php?p=26603>

camera sdk1.1  
[http://www.anddev.org/tutorial\\_for\\_capt...t6489.html](http://www.anddev.org/tutorial_for_capt...t6489.html)

write image on sdcard  
<http://www.coderanch.com/t/436286/Andro...d-emulator>

Camera  
 code  
<http://osdir.com/ml/AndroidDevelopers/2...01824.html>

more camera..MAY BE COMPLETE  
<http://stackoverflow.com/questions/9511...iew-widget>

BEST CAMERA APP EVER#####  
<http://github.com/commonsguy/cw-advandr...ra/Picture>

THIS CAMERA ONE IS ALSO GOOOOOOOOD  
<http://snippets.dzone.com/posts/show/8683>

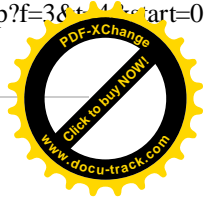
#####

Try THIS CAMERA FIRST

...

```
import java.io.IOException;
```

```
import android.app.Activity;
import android.content.Context;
import android.content.Intent;
import android.graphics.PixelFormat;
import android.hardware.Camera;
import android.os.Bundle;
import android.util.Log;
import android.view.KeyEvent;
import android.view.MotionEvent;
import android.view.SurfaceHolder;
import android.view.SurfaceView;
import android.view.View;
import android.view.Window;
import android.view.WindowManager;
import android.view.View.OnClickListener;
import android.view.View.OnTouchListener;
```



```

public class CamaraView extends Activity implements SurfaceHolder.Callback,
OnClickListener {
    static final int FOTO_MODE = 0;
    private static final String TAG = "CameraTest";
    Camera mCamera;
    boolean mPreviewRunning = false;
    private Context mContext = this;
    private String mExpNumber;

    public void onCreate(Bundle icle) {
        super.onCreate(icle);

        Log.e(TAG, "onCreate");

        Bundle extras = getIntent().getExtras();
        mExpNumber = extras.getString("EXP_NUMBER");

        getWindow().setFormat(PixelFormat.TRANSLUCENT);
        requestWindowFeature(Window.FEATURE_NO_TITLE);
        getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
            WindowManager.LayoutParams.FLAG_FULLSCREEN);
        setContentView(R.layout.camera);
        mSurfaceView = (SurfaceView) findViewById(R.id.surface_camera);
        mSurfaceView.setOnClickListener(this);
        mSurfaceHolder = mSurfaceView.getHolder();
        mSurfaceHolder.addCallback(this);
        mSurfaceHolder.setType(SurfaceHolder.SURFACE_TYPE_PUSH_BUFFERS);
    }

    @Override
    protected void onRestoreInstanceState(Bundle savedInstanceState) {
        super.onRestoreInstanceState(savedInstanceState);
    }

    Camera.PictureCallback mPictureCallback = new Camera.PictureCallback() {
        public void onPictureTaken(byte[] imageData, Camera c) {

            if (imageData != null) {

                Intent mIntent = new Intent();

                FileUtilities.StoreByteImage(mContext, imageData,
                    50, mExpNumber);
                mCamera.startPreview();

                setResult(FOTO_MODE,mIntent);
                finish();

            }
        }
    };

    protected void onResume() {
        Log.e(TAG, "onResume");
        super.onResume();
    }

    protected void onSaveInstanceState(Bundle outState) {
        super.onSaveInstanceState(outState);
    }

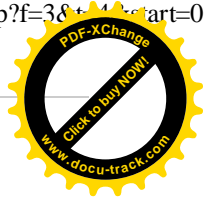
    protected void onStop() {
        Log.e(TAG, "onStop");
        super.onStop();
    }

    public void surfaceCreated(SurfaceHolder holder) {
        Log.e(TAG, "surfaceCreated");
        mCamera = Camera.open();
    }

    public void surfaceChanged(SurfaceHolder holder, int format, int w, int h) {
        Log.e(TAG, "surfaceChanged");

        // XXX stopPreview() will crash if preview is not running
    }

```



```

if (mPreviewRunning) {
    mCamera.stopPreview();
}

Camera.Parameters p = mCamera.getParameters();
p.setPreviewSize(w, h);
mCamera.setParameters(p);
try {
    mCamera.setPreviewDisplay(holder);
} catch (IOException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
mCamera.startPreview();
mPreviewRunning = true;
}

public void surfaceDestroyed(SurfaceHolder holder) {
    Log.e(TAG, "surfaceDestroyed");
    mCamera.stopPreview();
    mPreviewRunning = false;
    mCamera.release();
}

private SurfaceView mSurfaceView;
private SurfaceHolder mSurfaceHolder;

public void onClick(View arg0) {

    mCamera.takePicture(null, mPictureCallback, mPictureCallback);

}

```

-----

AndroidManifest.xml. T

```
<uses-permission android:name="android.permission.CAMERA"/>
```

[http://www.brighthub.com/mobile/google- ... 4.aspx?p=2](http://www.brighthub.com/mobile/google-...4.aspx?p=2)

```

...
xml file for above
// This is the XML file to use in the Camera Activity
setContentView(R.layout.camera);

```

camera.xml

```

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent" android:layout_height="fill_parent"
    android:orientation="vertical">
    <SurfaceView android:id="@+id/surface_camera"
        android:layout_width="fill_parent" android:layout_height="10dip"
        android:layout_weight="1">
    </SurfaceView>
</LinearLayout>

```

.....  
CREATE THIS CODE IN A DIFFERENT CLASS FILE like FileUtilities called in the code above....

```

Store Image
// This code shows the way to store an image from a byte[] array.

```

```

public static boolean StoreByteImage(Context mContext, byte[] imageData, int quality, String expName) {

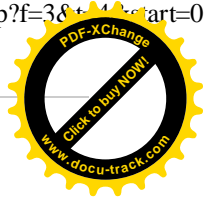
    File sdImageMainDirectory = "/sdcard/myImages";
    FileOutputStream fileOutputStream = null;
    String nameFile;
    try {

```

```

        BitmapFactory.Options options=new BitmapFactory.Options();

```



```
options.inSampleSize = 5;

Bitmap myImage = BitmapFactory.decodeByteArray(imageData, 0,
imageData.length,options);

fileOutputStream = new FileOutputStream(
sdImageMainDirectory.toString() + "/" + nameFile + ".jpg");

BufferedOutputStream bos = new BufferedOutputStream(
fileOutputStream);

myImage.compress(CompressFormat.JPEG, quality, bos);

bos.flush();
bos.close();

} catch (FileNotFoundException e) {
// TODO Auto-generated catch block
e.printStackTrace();
} catch (IOException e) {
// TODO Auto-generated catch block
e.printStackTrace();
}

return true;
}
```

#####  
 SEND IMAGE AS MMS  
[http://www.brighthub.com/mobile/google- ... 2#comments](http://www.brighthub.com/mobile/google-... 2#comments)

Thanks a million for the quick response.

So see if I understand this correctly, here is what I am doing...

I am using your code...found here...<http://snippets.dzone.com/user/Jbeer>

1) CamaraView --- class  
 2) FileUtilities --- class with (storeByteImage) method.  
 in this storeByteImage method, image is saved as .jpg.

So now I am creating another method that is to send the MMS with the image like this.

```
//HE said need to enter the extra...to address etc...find how to send mms first.
public void sendMMS() {

String url = "/sdcard/myImages/myimage.jpg";

Intent sendIntent = new Intent(Intent.ACTION_SEND);
sendIntent.setType("image/jpeg");
sendIntent.putExtra(Intent.EXTRA_SUBJECT, "My Picture");
sendIntent.putExtra("sms_body", "here put the body");
sendIntent.putExtra(Intent.EXTRA_STREAM, Uri.fromFile(url));

}
```

??? What size image will your program save? so the SendMMS can send it properly.  
 -----

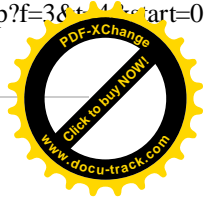
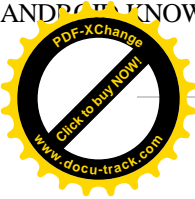
Also, for the GridView

I need my pictures to look like this...  
<http://developer.android.com/guide/tuto ... dview.html>

Instead of hardcoding the images, how can I read the images in a specific directory for this app.

Thanks alot again, I really appreciate it.

Yassin



---MMS  
<http://www.netmite.com/android/mydroid/...ivity.java>

\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$  
 MMS GOOD SITE SEE THIS ONE  
<http://jtribe.blogspot.com/2008/12/send...droid.html>

#####  
 =====

#### AUDIO RECORDER

-----  
<http://www.benmccann.com/dev-blog/android...-tutorial/>

.....

package com.benmccann.android.hello;

import java.io.File;  
 import java.io.IOException;

import android.media.MediaRecorder;  
 import android.os.Environment;

/\*\*  
 \* @author <a href="http://www.benmccann.com">Ben McCann</a>  
 \*/

public class AudioRecorder {

final MediaRecorder recorder = new MediaRecorder();  
 final String path;

/\*\*  
 \* Creates a new audio recording at the given path (relative to root of SD card).  
 \*/

public AudioRecorder(String path) {  
 this.path = sanitizePath(path);  
}

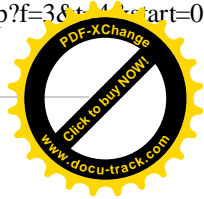
private String sanitizePath(String path) {  
 if (!path.startsWith("/")) {  
 path = "/" + path;  
 }  
 if (!path.contains(".")) {  
 path += ".3gp";  
 }  
 return Environment.getExternalStorageDirectory().getAbsolutePath() + path;  
}

/\*\*  
 \* Starts a new recording.  
 \*/  
 public void start() throws IOException {  
 String state = android.os.Environment.getExternalStorageState();  
 if (!state.equals(android.os.Environment.MEDIA\_MOUNTED)) {  
 throw new IOException("SD Card is not mounted. It is " + state + ".");  
 }  
 }

// make sure the directory we plan to store the recording in exists  
 File directory = new File(path).getParentFile();  
 if (!directory.exists() && !directory.mkdirs()) {  
 throw new IOException("Path to file could not be created.");  
 }  
}

recorder.setAudioSource(MediaRecorder.AudioSource.MIC);  
 recorder.setOutputFormat(MediaRecorder.OutputFormat.THREE\_GPP);  
 recorder.setAudioEncoder(MediaRecorder.AudioEncoder.AMR\_NB);  
 recorder.setOutputFile(path);  
 recorder.prepare();  
 recorder.start();  
}

/\*\*  
 \* Stops a recording that has been previously started.  
 \*/



```
public void stop() throws IOException {
    recorder.stop();
    recorder.release();
}

}
```

AND

Hi, the cause is that the source above is not an android 'application', just a helper class. So it just can't run by itself.

You have to do something like this:

```
public class MyActivity extends Activity {
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.main);

        final AudioRecorder recorder = new AudioRecorder("/audiometer/temp");
        recorder.start();

        //....wait a while
        recorder.stop();
    }
}
```

#####

Not Android...

Useful collection of Web Links (Just for the technical head geeks)

<http://www.swview.org/links>

Attachments:

[tutorial.pdf](#) [904.94 KiB]  
Downloaded 86 times

[Android\\_Slides.ppt](#) [267 KiB]  
Downloaded 75 times

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