Eureka!

Dream BIG and go for it =)





Posted on January 3, 2010 ← Previous Next →

Android – Simple ListView using SimpleAdapter

In Android Applications, ListView helps you to display the contents of an array with flexible size. The following example shows you how to create a simple ListView.

- 1. First create a new Android project
- 2. Create the following Java class

```
import java.util.ArrayList;
02 import java.util.HashMap;
   import java.util.List;
0.4
   import android.app.Activity;
06 import android.os.Bundle;
   import android.widget.ListView;
   import android.widget.SimpleAdapter;
09
   public class ListViewA extends Activity {
        /** Called when the activity is first created. */
       @Override
13
       public void onCreate(Bundle savedInstanceState) {
14
            super.onCreate(savedInstanceState);
            setContentView(R.layout.main);
15
```

```
ListView lv= (ListView) findViewById(R.id.listview);
17
18
            // create the grid item mapping
            String[] from = new String[] {"rowid", "col 1", "col 2", "col 3"};
19
            int[] to = new int[] { R.id.item1, R.id.item2, R.id.item3, R.id.item4 };
20
21
            // prepare the list of all records
            List<HashMap<String, String>> fillMaps = new ArrayList<HashMap<String, String>>();
23
            for(int i = 0; i < 10; i++) {</pre>
24
25
                HashMap<String, String> map = new HashMap<String, String>();
26
                map.put("rowid", "" + i);
27
               map.put("col 1", "col 1 item " + i);
                map.put("col 2", "col 2 item " + i);
                map.put("col 3", "col 3 item " + i);
29
                fillMaps.add(map);
31
            // fill in the grid item layout
34
            SimpleAdapter adapter = new SimpleAdapter(this, fillMaps, R.layout.grid item, from,
   to);
            lv.setAdapter(adapter);
```

3. Create the following 2 layouts

main.xml

```
04
        android:orientation="vertical"
05
        android:layout height="fill parent"
        android:layout width="fill parent">
        <!-- Header -->
        <LinearLayout android:id="@+id/header"</pre>
            android:background="#ff347c12"
09
            android:layout height="wrap content"
            android:layout width="fill parent"
11
12
13
            <TextView android:id="@+id/item1"
14
                android:layout height="fill parent"
                android:layout width="wrap content"
15
16
                android:width="20dip"
                android:height="30dip"
17
18
19
            <TextView android:id="@+id/item2"
                android:layout height="fill parent"
                android:layout width="wrap content"
21
                android:text="col 1 h"
                android:width="100dip"
23
24
                android:height="30dip"
25
            <TextView android:id="@+id/item3"
27
                android: layout height="fill parent"
28
                android:layout width="wrap content"
                android:text="col 2 h"
29
                android:width="100dip"
                android:height="30dip"
31
            <TextView android:id="@+id/item4"
                android:layout height="fill parent"
34
                android:layout width="wrap content"
                android:text="col 3 h"
                android:width="100dip"
                android:height="30dip"
39
            />
40
        </LinearLayout>
41
42
        <!-- List Divider -->
43
        <View android:layout width="fill parent"</pre>
```

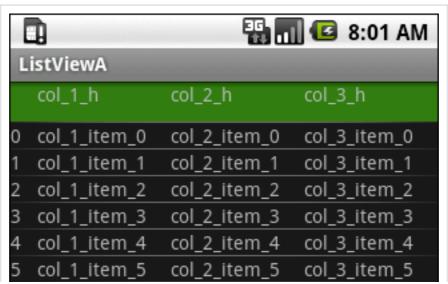
```
android:layout height="1dip"
45
            android:background="?android:attr/listDivider" />
46
        <!-- ListView (grid items) -->
47
        <LinearLayout android:id="@+id/layout"</pre>
48
            android:layout width="wrap content"
49
            android:layout height="fill parent">
            <ListView android:id="@+id/listview"
51
                android:layout height="fill parent"
53
                android:layout width="fill parent">
54
            </ListView>
55
        </LinearLayout>
   </LinearLayout>
```

grid item.xml

```
<?xml version="1.0" encoding="utf-8"?>
01
    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
        android:orientation="horizontal"
        android:layout width="fill parent"
04
        android:layout height="fill parent">
            <TextView android:id="@+id/item1"
                android:text="row id"
                android: layout height="fill parent"
                android:layout width="wrap content"
09
                android:width="20dip"
11
            />
12
            <TextView android:id="@+id/item2"
                android:text="col 1"
13
14
                android:layout height="fill parent"
15
                android:layout width="wrap content"
```

```
android:width="100dip"
17
            />
18
            <TextView android:id="@+id/item3"
                android:text="col 2"
19
20
                android: layout height="fill parent"
                android:layout width="wrap content"
21
                android:width="100dip"
23
            />
24
            <TextView android:id="@+id/item4"
                android:text="col 3"
26
                android:layout height="fill parent"
27
                android:layout width="wrap content"
28
                android:width="100dip"
29
            />
    </LinearLayout>
```

4. Try it!



```
col_2_item_6 col_3_item_6
col_1_item_6
             col_2_item_7 col_3_item_7
col_1_item_7
                           col_3_item_8
col_1_item_8
             col_2_item_8
                           col_3_item_9
col_1_item_9
             col_2_item_9
```

Done =)

Update 2010-03-15 (Suggested by Mike)

If you want change the background color of the rows in the ListView. Take a look at Android – Applying Alternate Row Color in ListView with SimpleAdapter.

About these ads



This entry was posted in **Android** and tagged **Android**, **ListView**, **SimpleAdapter** by **ykyuen**. Bookmark the **permalink**.

130 THOUGHTS ON "ANDROID – SIMPLE LISTVIEW USING SIMPLEADAPTER"



Varun on **February 28, 2010 at 17:26** said:

Hi,

This works beautifully! Thanks!

However, I haven't been able to make these list items clickable. I want to be able to launch a new activity with some params when a user clicks on one of the items.

The code that I've added is as below:

```
lv.setOnItemClickListener(new OnItemClickListener() {
     public void onItemClick(AdapterView adapterView, View view, int
   position, long id) {
       SimpleAdapter adapter = (SimpleAdapter) adapterView.getAdapter();
       ListView currentLv = (ListView) view;
       Object item = adapter.getItem(position);
       //Do some more stuff here and launch new activity
09
10
11
12 });
```

However, the items remain unclickable – I can select them using my the navigation keys but again there is no action that leads it to go to this piece of code.

Please help me here! I need to get this Click Event working...

Thanks,

Varun

Reply↓



ykyuen on February 28, 2010 at 18:25 said:

Hi Varun,

Try to run your program in debug mode and add a break point within the public void on Item Click. The program should pause at the break point if u click the list view item.

Regards,

Kit

Reply↓



Farhan on October 14, 2010 at 16:03 said:

http://mfarhan133.wordpress.com/2010/10/14/list-view-tutorial-for-android/

This Blog will definitely help you and fulfill your requirement.

Reply↓



Tapaswini

on November 15, 2011 at 19:50 said:

```
lv.setOnItemClickListener(new OnItemClickListener() {
    public void onItemClick(AdapterView parent, View view,
      int position, long id) {
      String U id =
  ((TextView) view.findViewById(R.id.ID)).getText().toString();
6 });
```

Reply↓



ykyuen

on **November 15, 2011 at 23:22** said:

Thanks for your code. =)



please help me

how to change the content of of SimpleAdapter after clicking the search button.

Means i want to show data through SimpleAdapter but data depends upon the search result.



ykyuen on **November 21, 2011 at 16:57** said:

i dun have a search button in the example of this post. but if u have a search button, just create a new simpleAdapter and set it to the listview.

Reference: StackOverflow – update listview from simpleAdapter with new data



Mike on **March 15, 2010 at 12:28** said:

Is there a nice way to alternate colors for the odd/even rows?

Reply↓



ykyuen on **March 15, 2010 at 21:21** said:

Hi Mike,

You can apply alternate colors or even more colors on each row. Take a look at Android – Applying Alternate Row Color in ListView with SimpleAdapter

Hope this help =)

Regards,

Kit



Farhan on October 14, 2010 at 16:08 said:

http://mfarhan133.wordpress.com/2010/10/14/list-view-tutorial-for-android/

```
In "Splash.java" add following lines before
"view.setOnClickListener(new OnClickListener() { "
you will get your required result
if(position%2==0){
view.findViewByld(R.id.rlt_main).
setBackgroundColor(Color.Black);
}else{
view.findViewByld(R.id.rlt_main).
setBackgroundColor(Color.Gray);
```



Noelle on June 8, 2010 at 19:44 said:

Hi can you help me out with this?

This is the example from the android developer website, HelloListView.

I'm having some problems over here ->

```
lv.setOnItemClickListener(new OnItemClickListener() {
   public void onItemClick(AdapterView parent, View view, int
  position, long id)
      // When clicked, show a toast with the TextView text
      Toast.makeText(getApplicationContext(), ((TextView)
  view).getText(),
      Toast.LENGTH SHORT).show();
8 });
```

The onltemClickListener and View view having problems. Can you help me out? Thanks!

Reply↓



on June 8, 2010 at 23:07 said:

Hi Noelle,

i am not sure the exact problem but i suggest you could try public void onItemClick(AdapterView adapterView, View view, int position, long id) instead of public void onltemClick(AdapterView parent, View view, int position, long id).

have u ever tried running it in debug mode?

Kit

Reply↓



NaDeem KhaN on **November 22, 2011 at 14:25** said:

Thanks.....

Reply↓



ykyuen on November 22, 2011 at 22:23 said:

You are welcome. =D



Chua Wei Ting on July 6, 2010 at 15:07 said:

Hi there, I have stored data in my sqldatabase and i want to show it out in listview, but i'm not able to.

Do you have a sample of that? Both are textviews.

Reply↓



ykyuen on **July 6, 2010 at 16:00** said:

Hi Wei Ting,

If you want to know how to create a database for android app, you could take a look at this.

Working with the SQLite-Database – Cursors

hope this help. Regards, Kit Reply↓



Chua Wei Ting on July 15, 2010 at 12:16 said:

Hi there, im still not able to show my listview after 3 weeks and i really need an expert's help. Can you email me and take a look at my codes? 😛

chuaisarocker@hotmail.com

Reply↓



Farhan on October 14, 2010 at 16:10 said:

http://mfarhan133.wordpress.com/2010/10/14/list-view-tutorial-for-android/

You can also download the complete source code from here

Reply↓



stelioschar on October 8, 2010 at 17:40 said:

Hello there,

I would like to use this example code, but the items of the list to be a list after an XML Parsing..

In otherwords, i want to parse an XML and after that to make a list like this one you've already made.. :S

Reply↓



ykyuen on October 8, 2010 at 23:24 said:

I hv never done xml parsing in android. see if the following tutorial helps.

Android XML Parsing Tutorial – Using SAXParser

Reply↓



TechnoTalkative

on March 1, 2012 at 19:57 said:

Hey ykyuen,

You can look at this example:

http://www.technotalkative.com/android-sax-parsing-example/



ykyuen

on March 1, 2012 at 23:22 said:

Thanks for your example. =)



Aditya UNhale on January 19, 2011 at 22:16 said:

hi folks, can we add button as well as listview on same layout? m trying but my app stops

Reply↓



ykyuen on **January 24, 2011 at 11:58** said:

Hi Aditya,

i think the following 2 examples could help.

- Android: ListView elements with multiple clickable buttons
- Handling Button clicks in a ListView Row

Kit



asmo on January 24, 2011 at 17:22 said:

Hi!

I am trying to add a ScrollView to your example, but this makes the list use only a fraction of the screen... Do you know how to make this work?

Screenshot:

http://asmo.kortis.to/tiedostot/shot_21012011_160537.png

My changes to the XML:

Reply↓



asmo

on **January 24, 2011 at 17:25** said:

(Forgot to mention: Thanks a lot for a good example!)

Seems that the comment system ate my XML... Basically I replaced the LinearLayout in main.xml line 48 with a ScrollView. Also tried to add the

ScrollView above the LinearLayout so that the SV contains the LL — same output.

Reply↓



asmo on January 24, 2011 at 17:51 said:

My bad, rookie-mistake: I didn't have the android:fillViewport="true" -tag on the scroll view... That took care of it and now it works nicely, scrolling the dynamic list.

Sorry to spam your comments too soon before studying the problem enough.



Reply↓



ykyuen on **January 24, 2011 at 22:47** said:

haha~ no problem Asmo. Good to know that u have make yours code work =)



juro on February 18, 2011 at 14:40 said:

HI,

nice tutorial! it helped me a lot, thanks!

i have just 1 question ... how can i change settings of textviews in grid_item.xml programmatically? like

```
TextView item1 = (TextView)findViewById(R.id.item1);
item1.setTextColor(Color.YELLOW);
```

it throws me NullPointerException if i do that =/

Reply↓



on **February 19, 2011 at 03:19** said:

Did u forget to import the android.graphics.Color

try

```
item1.setTextColor(android.graphics.Color.YELLOW);
```

or you can define your own color in the resource file. Create the res/values/color.xml

```
<?xml version="1.0" encoding="utf-8"?>
2 <resources>
  <color name="orange">#ff5500</color>
  <color name="white">#ffffff</color>
5 </resources>
```

Then you should be able to set the color by

```
2 item1.setTextColor(R.color.orange);
  . . .
```

Reference: Stack Overflow – Android color xml resource file



i solved problem by makeing my own adapter like you did in one other tutorial. problem is, that anything i want to do with TextViews in grid_item.xml, it throws me an NullPointerException,



ykyuen on **February 24, 2011 at 02:29** said:

I didn't meet your problem. i added the setTextColor() function in the in OnltemClickListener as follow.

```
OnItemClickListener itemClickedListener = new
OnItemClickListener() {

public void onItemClick(AdapterView<?> parent, View
view, int position, long id) {

// TODO Auto-generated method stub

TextView item2 =
(TextView)view.findViewById(R.id.item2);

item2.setTextColor(android.graphics.Color.YELLOW);
}

};
```

I guess you have missed sth, are u sure u have imported all the

required class?



on **February 24, 2011 at 09:43** said:

which sdk are u using?



Abhijeet on February 24, 2011 at 15:34 said:

Hi there,

I've created one calendar, on clicking any day of the calendar it will show the list of audio recordings for the day, but now on clicking any one of these recordings it must play it, i'm unable to implement this part. please help me out...

Thanx..



ykyuen on **February 25, 2011 at 23:44** said:

could you tell me more about the problems you met?

Reply↓



Android on March 21, 2011 at 20:40 said:

Nice example, to get through with the listview, like this if we need to check with custom listview of need to go through with multiple listview in a activity means we can go with this link http://android-codes-examples.blogspot.com/2011/03/multiple-listview-and-custom-listview.html



ykyuen on **March 22, 2011 at 01:06** said:

Thanks for your example =)

Reply↓



Alex on May 6, 2011 at 05:59 said:

Hi,

thanks for your code and the explantions. However, I cannot get it to work: it always throws a null-pointer exception in line 35: lv.setAdapter(adapter);

I have copied your code 1:1, and I am not able to find the error... Do I miss something obvious perhaps?

BTW, I am developing on Android 2.2...

Reply↓



Alex

on May 6, 2011 at 06:02 said:

Awww... I am not sure what happened, but suddenly it works ... strange...



Thanks for the great tutorial!

Reply↓



ykyuen on May 6, 2011 at 12:02 said:

Great =)



Juhani on May 22, 2011 at 00:49 said:

Hey, thank you for making this blog entry. I always need to come back an copy your example whenever I need to build a list. This is truly helpful! Thank you!



ykyuen on **May 22, 2011 at 01:02** said:

Hi Juhani,

Good to know that it could help u. As Douglas Merrill said...

Knowledge is not power. The SHARING of knowledge is power...

By the way, ur blog looks great!

Regards,

Kit

Reply↓



Keith on June 23, 2011 at 02:33 said:

great example.. one thing I wuld like to add, say to the last column is a url link. so when I user clicks it it opens the browser...now I'm able to create the link OK with linkify but when I try to apply to the listview it only shows the text of the link but is not an actual link.

Any idea how to apply the link to the 3rd column.

Reply↓



ykyuen on **June 23, 2011 at 15:39** said:

See if the following post help. StackOverflow – Android: How can I add HTML links inside a ListView?

Reply↓



sachin on July 10, 2011 at 13:05 said:

i used hashmap for customized listview but only 5 random items are displaying what is the problem?

```
public class MyCustomListView extends ListActivity {
    /** Called when the activity is first created. */
    @Override

public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.custom_list_view);
```

```
SimpleAdapter adapter = new
   SimpleAdapter (this, list, R. layout.custom row view,
                    new String[] {"name", "height"},
0.9
                    new int[] {R.id.text1, R.id.text2}
10
11
            populateList();
13
            setListAdapter(adapter);
14
15
16
        static final ArrayList<HashMap&gt; list =
17
            new ArrayList<HashMap&gt;();
18
        private void populateList() {
19
20
            HashMap temp = new HashMap();
            temp.put("name", "Chavand");
21
            temp.put("height", "3400ft");
23
            list.add(temp);
24
            HashMap temp1 = new HashMap();
            temp1.put("name", "Durg-Dhakoba");
25
26
            temp1.put("height", "3900ft & 4100ft");
27
            list.add(temp1);
28
            HashMap temp2 = new HashMap();
            temp2.put("name", "Hadsar");
29
            temp2.put("height", "3200ft");
31
            list.add(temp2);
            HashMap temp3 = new HashMap();
            temp3.put("name","Jivdhan");
34
            temp3.put("height", "3754ft");
            list.add(temp3);
            HashMap temp4 = new HashMap();
            temp4.put("name", "Korigad");
            temp4.put("height", "3000ft");
            list.add(temp4);
39
            HashMap temp5 = new HashMap();
            temp.put("name", "Lohgad");
41
42
            temp.put("height", "3400ft");
            list.add(temp5);
43
            HashMap temp6 = new HashMap();
44
            temp.put("name", "Malhargad");
45
```

Reply↓



ykyuen on **July 10, 2011 at 14:45** said:

you need to add more textview in main.xml and grid_item.xml.

Reply↓



ren on July 20, 2011 at 21:28 said:

do you know how to do a listview showing multiple imageviews in it??



ykyuen on **July 21, 2011 at 00:58** said:

I think the following examples should help

- Android ListView 3 Custom ListView
- Android How do I do a lazy load of images in ListView

Reply↓



Paresh N Mayani on November 10, 2011 at 01:32 said:

Hey ykyuen,

Thanx for providing this helpful example. You just need to refer whole android ListView category:

http://pareshnmayani.wordpress.com/category/android/listview/

I am really glad that this information is helpful to someone 🐸





ykyuen on **November 10, 2011 at 02:21** said:

Hi Paresh,

Thanks for your link and i am sure it would be useful for others. =)

Regards,

Kit



RTAC on July 23, 2011 at 05:47 said:

Hi, I have a question regarding the handling of the listview, I have a project where I show a set of objects (images, text, buttons) but from what I suppose I have a set of 3 buttons in the listview and I want to click on any buttons and these give me back an event, but I see the contents of the listview methods do not work, when clicking on them fails. I used simpleadapter and I tried to take the focus listview

below shows the code.

```
public class Framemain extends ListActivity {
       /** Called when the activity is first created. */
        @Override
       public void onCreate(Bundle savedInstanceState) {
04
            super.onCreate(savedInstanceState);
            setContentView(R.layout.main);
            int n=6;
            String []titulo = new String[n];
10
            String []genero = new String[n];
            String []descripcion = new String[n];
            String []paisorigen = new String[n];
            String []lenguaje = new String[n];
13
            String []director = new String[n];
14
15
            String []actores = new String[n];
16
            String []clasificacion = new String[n];
            String []duracion = new String[n];
17
18
            String []paginaweb = new String[n];
19
            String []cine = new String[n];
           int[]imagenes= new int[n];
21
            String[]valoraciones= new String [n];
23
       imagenes[0]=R.drawable.p1;
       imagenes[1] = R.drawable.p2;
24
       imagenes[2]=R.drawable.p3;
       imagenes[3]=R.drawable.p4;
27
       imagenes[4]=R.drawable.p5;
       imagenes[5]=R.drawable.p6;
29
       try {
   InputStream is = getResources().openRawResource(R.raw.peliculas);
   BufferedReader bf= new BufferedReader (new InputStreamReader (is));
31
       while (bf.ready()) {
            for (int i=0; i<n; i++) {</pre>
34
                titulo[i]=bf.readLine();
                genero[i]=bf.readLine();
                descripcion[i]=bf.readLine();
                paisorigen[i]=bf.readLine();
```

```
lenguaje[i]=bf.readLine();
                director[i] = bf.readLine();
39
                actores[i]=bf.readLine();
                clasificacion[i]=bf.readLine();
41
                duracion[i]=bf.readLine();
                paginaweb[i]=bf.readLine();
43
44
                cine[i]=bf.readLine();
45
                valoraciones[i]=bf.readLine();
            }//fin del for
            }//fin del while
47
        }//fin del try
49
        catch (Exception e) {
           Log.v("Error de Exception", "no funco");
        ArrayList<HashMap> arreglo=new ArrayList<HashMap>();
54
        for (int i=0; i<n; i++) {</pre>
        HashMap map=new HashMap();
        map.put("titulo", titulo[i]);
       map.put("imagen", imagenes[i]);
59
       map.put("descripcion", descripcion[i]);
        arreglo.add(map);
   }//map
61
        String[] from={"titulo", "imagen", "descripcion"};
63
        int[] to={R.id.titulo, R.id.imagenpelicula, R.id.descripcion};
64
65
        SimpleAdapter adapter=new SimpleAdapter(
                        this.getApplicationContext(),
67
                         arreglo,
                        R.layout.content,
69
                         from,
                         to);
72
        //cambiarimagen();
73
74
        final ListView 1 = (ListView) findViewById(R.id.ListView);
75
        1.setAdapter(adapter);
76
```

and this is the main.xml and there is the content.xml: can you help me? Reply↓ **RTAC** on **July 23, 2011 at 05:49** said: the main.xml Reply↓



ykyuen on **July 23, 2011 at 08:31** said:

If you want to use button in listview, you can follow the example below.

Handling Button clicks in a ListView Row

Reply↓

Pingback: androidtutorialbyal.com » Blog Archive » List View Tutorial For Android



Sourav Mukherjee on October 14, 2011 at 15:13 said:

Hi.

I am geting a erroer "Cannot cast from View to ListView" for this line of code

ListView Iv= (ListView)findViewByld(R.id.listview);

Plz....can u help me

Reply↓



ykyuen on **October 14, 2011 at 23:18** said:

try to clean the project an build again. if still does not work, can u give me the exception stack trace? and what android sdk are u using?





Sourav Mukherjee

on October 15, 2011 at 13:07 said:

Thanks......lt works...



ykyuen

on October 15, 2011 at 13:12 said:

Great =D



GotiBandhu Huda on November 9, 2011 at 22:53 said:

This is nice post. Its help me lot and this link

http://mindstick.com/Articles/802aac4e-b9ef-499e-a20b-f0d0fd56ae11/?

Using%20ListView%20in%20Android%20Application

also helped me to complete my task.

Thanks!!

Reply↓



ykyuen on **November 10, 2011 at 02:22** said:

Thanks for your link. =)

Reply↓



Michael on November 28, 2011 at 03:34 said:

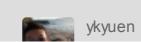
Hello! I hope you can help me.

I have two activities, first is main (with ListView and HashMap) and second is an activity with EditText in it.

My task is to get string from EditText in second activity and put it on ListView in the first one.

I know how to use Intents and all that stuff, but I have a little problem. It's only possible to add one unique item into ListView. For example, when I'm adding second item, I get two identical items. When I'm adding third item, ListView has three same items. All items contain the data of last added item. Here's some code:

```
@Override
   public void onActivityResult(int requestCode, int resultCode, Intent
   data) {
     super.onActivityResult(requestCode, resultCode, data);
     switch (requestCode) {
04
       case (STATIC INTEGER VALUE) : {
         if (resultCode == Activity.RESULT OK)
            String Route = data.getStringExtra("route");
            String Destination = data.getStringExtra("destination");
            String Time = data.getStringExtra("time");
           map.put("time", Time);
10
           map.put("route", Route);
           map.put("destination", Destination);
13
            fillMaps.add(map);
14
            SpecialAdapter adapter = new SpecialAdapter(this, fillMaps,
   R.layout.grid item, from, to);
            list.setAdapter(adapter);
15
16
           else if (resultCode == Activity.RESULT CANCELED) {
             //Do nothing
17
18
19
          break;
21
```





how about this

```
@Override
   public void onActivityResult(int requestCode, int resultCode,
   Intent data) {
     super.onActivityResult(requestCode, resultCode, data);
     switch (requestCode) {
04
        case (STATIC INTEGER VALUE) : {
          if (resultCode == Activity.RESULT OK) {
            String Route = data.getStringExtra("route");
            String Destination =
   data.getStringExtra("destination");
            String Time = data.getStringExtra("time");
09
            // create a new map object for every new record
            HashMap<String, String> map = new HashMap<String,</pre>
11
   String>();
12
            map.put("time", Time);
           map.put("route", Route);
13
           map.put("destination", Destination);
14
15
            fillMaps.add(map);
            SpecialAdapter adapter = new SpecialAdapter(this,
16
   fillMaps, R.layout.grid item, from, to);
            list.setAdapter(adapter);
17
          } else if (resultCode == Activity.RESULT CANCELED) {
              //Do nothing
19
21
          break;
22
23
24 }
```



Michael

on November 28, 2011 at 19:03 said:

This seems helpful, thanks a bunch!



ykyuen on **November 28, 2011 at 20:52** said:

good to know that it could help. =)



Sanath on December 1, 2011 at 16:21 said:

try this one http://sanathnandasiri.blogspot.com/2011/11/how-to-work-with-androidlistview.html

also include working source code



ykyuen on **December 1, 2011 at 16:33** said:

Hi Sanath, Thanks for your code. =)

Reply↓



sanath on **December 5, 2011 at 00:05** said:

if it has problems or any optimization please inform me...



ykyuen on **December 6, 2011 at 02:48** said:

sure. =)

Pingback: Burak ÖZKAN » Blog Arşivi » Android – Custom Listview Ayraç Ekleme



ads on January 25, 2012 at 14:31 said:

Once the list is loaded, is it possible to fill the remaining space of parent layout with empty list row elements?

Reply↓



ykyuen on **January 26, 2012 at 02:18** said:

In my example, i used a for loop to fill in the listview

if you want to fill in the remaining space of the parent layout, you could add more items in the fillMaps object. but it is difficult to get the exact number of rows to fill in the remaining space becoz android phones has varied screen size.

Reply↓



Ads

on January 26, 2012 at 02:40 said:

Yep its really difficult as we have to calculate the height of the listview and list_element height, then we should try filling the list i guess.

Will post soon if i got solution. Thanks for ur good blog!!!!.



ykyuen on **January 26, 2012 at 02:45** said:

You are welcome. hope you can find a solution soon. =)



Gaya

on **February 20, 2012 at 13:37** said:

Hi,

As your example how you can fill with data getting from edittexts using add button with increment rows?

I can show UI like this,

TextView1 EditText1

TextView2 EditText2

Button1

ListView with two columns

Please help me...



on **February 20, 2012 at 17:25** said:

Hi Gaya,

In my example, i only show some static data in the listview. If you want to allow user to add the listview item, probably you need a sqlite db to store the input data and need a form for getting the user input. The following example should be a nice reference for you.

Android developers – Notepad Tutorial

Allarola developers – Notepad Tutor

Hope this help.

Kit



Gautam on March 1, 2012 at 01:20 said:

Hi ykyuen,

I am using a special adapter which extends simpleadapter. In my code I am looping through my collection which is in an ArrayList object. I get the desired items and put them into an hashmap object. Finally I add that hashmap into another arraylist and provide it to the specialadapter, similar to what you have done..Now my PROBLEM is I am getting an "ArrayIndexOutOfBound" error when the code

reaches the getView() in the simpleadapter, due to which there is a force close. Now I am not able to figure out which array gets out of bounds...Please clear my confusion..

Thanking you, Gautam.

Reply↓



ykyuen on **March 1, 2012 at 17:06** said:

Maybe you could add some watchers and break points in debug mode and see which variable causes the ArraylndexOutOfBound error.



```
0x60C6E2FF, 0x80B9D3EE, 0x909FB6CD };
     public SpecialAdapter(Context context, List<HashMap>
   items, int resource, String[] from, int[] to)
        super(context, items, resource, from, to);
      @Override
09
10
     public View getView(int position, View convertView,
   ViewGroup parent)
11
12
        HashMap hm=(HashMap) super.getItem(position);
        View view = super.getView(position, convertView,
13
   parent); //<==== This the line where I get</pre>
   Arrayindexoutofbounds.....
14
15
16
        return view;
17
```

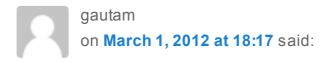
Now I dont understand why it happens...



on March 1, 2012 at 18:09 said:

Will it throw the Arrayindexoutofbounds error if you comment the

```
//HashMap hm=(HashMap) super.getItem(position);
```



Yes it throws the same even on comment...See I am using the CalendarView and on a particular DAY click I fetch corresponding data from DB, loop it, put it in hashmap and populate it in listview... listview.setAdapter(adapter) also works fine..But when it comes to getView() I dont understand what index postion in the listview goes outOfBounds.....

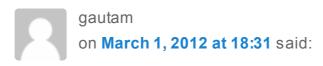


on March 1, 2012 at 18:25 said:

I think the problem is now(TYPO: should be NOT) on your SpecialAdapater class.

does your IDE supports debug perspective which allows you to adding break points and watches on the code and vaiables?

check the whole error dump, you should be able to find which line of code cause the error.



Yes after doing all that Ive came to the conclusion that the line "View view = super.getView(position, convertView, parent); "gives the error... Have you had any hands on using a CalendarView in your app any time...I mean what I am doing might be a very basic thing to do in calendars...Do you have any experience as to how it can be done...???



ykyuen on **March 1, 2012 at 18:36** said:

O Sorry, i think i have a typo in my previous comment. i mean the problem is NOT on your SpecialAdapater class.

And i haven't worked with CalendarView before. Actually i created this example 2 years ago with SDK 1.6. Sorry that i can't help

much. gautam on March 1, 2012 at 18:38 said: Ok thanks for your time...



ykyuen on **March 1, 2012 at 18:43** said:

You are welcome. hope you can solve the problem soon. =)



Neil on March 4, 2012 at 09:37 said:

Hi Kit

I have successfully adapted your code for my project, thanks.

Now I want to programatically change font size of the text views but I am unable to figure out how to reference them.

Any suggestions?

Reply↓



on March 5, 2012 at 10:22 said:

you can set the font size by the setTextSize() function.

or edit the xml as follow.

```
<TextView android:id="@+id/item1"
2
    android: layout height="fill parent"
    android:layout_width="wrap_content"
  android:width="20dip"
    android:height="30dip"
6
   android:textSize="30sp"
```



on March 15, 2012 at 16:59 said:

Thanks Kit, I understand the setTextSize() function call, I just can't work out how to reference the TextView at run time. Everything I have tried returns a null pointer.



ykyuen on **March 15, 2012 at 18:26** said:

how did you called the setTextSize()? could you post that line of code?



tee-lek on March 14, 2012 at 20:14 said:

Hi! Kit

The autoCompleteView can put values to ListView?

if can do it. How can i do

Thanks

Reply↓



ykyuen on March 15, 2012 at 01:02 said:

Do you mean AutoCompleteTextView?

I didn't quite get what you mean, the list view is for displaying a list of items and the AutoCompleteTextView is for user to enter a value.

Do you mean letting the user enter a value in the AutoCompleteTextView and then save it to the listview?

Reply↓



tee-lek on March 15, 2012 at 10:10 said:

Hi Yes I mean to AutoCompleteTextView. Now i have a value in the AutoCompleteTextView(ArrayList Type) and then save it to the listview?

Thanks

(Sorry my language very weakness)



ykyuen on **March 15, 2012 at 14:23** said:

In that case, you need to collect the user input and save this to a sqlite database.

i think the following tutorial is useful for you

Android developers – Notepad Tutorial

and you could use AutoCompleteTextView when collecting user input.

The listview shown in this blog post only displays static data. after you could save the user input into database. you should be able to retrieve the data from it and show them in listview.

hope the above info could help. =)



tee-lex on **March 15, 2012 at 14:56** said:

Big Thanks for your info. I'll try to follow the Notepad Tutorial before Λ Λ



ykyuen on March 15, 2012 at 14:58 said:

You are welcome. =)



Abhishek on March 25, 2012 at 15:40 said:

I tried all the suggest method here to capture the click event to get the row content and display them in a toast but still no success ⁽²⁾.

Please help.

Reply↓



Abhishek on March 25, 2012 at 18:06 said:

Thank for you sample, I corrected my code mistake your example is prefect.

Reply↓



on March 25, 2012 at 19:34 said:

good to know you have solved the problem. =)



Phillip on May 31, 2012 at 04:18 said:

One thing that is unclear to me: Does Android environment look for a file named grid_item.xml or does it simply use the TextView objects from this file based upon the TextView id's as they are populated in the Java code?

Reply↓



ykyuen on **May 31, 2012 at 11:29** said:

Those xml files are specified in the code which are R.layout.main and R.layout.grid_item.

Reply↓

Pingback: listview aus json (serverdata) generieren - Android-Hilfe.de

Pingback: ListView e database - Forum Android Italiano



Machado on August 10, 2012 at 10:23 said:

Thanks for the post, simple and clear worth much to my project. looked much like this for example. Thank you strength.

Reply↓



ykyuen on August 10, 2012 at 10:26 said:

Thanks for your comment. =D

Reply↓



Mxx on **October 7, 2012 at 03:11** said:

I was trying to set percentage by layout width and weight but in grid all is going to append (2) please help



ykyuen on October 9, 2012 at 20:51 said:

could the following solution solve your problem? StackOverflow – Percentage width in a RelativeLayout

Reply↓

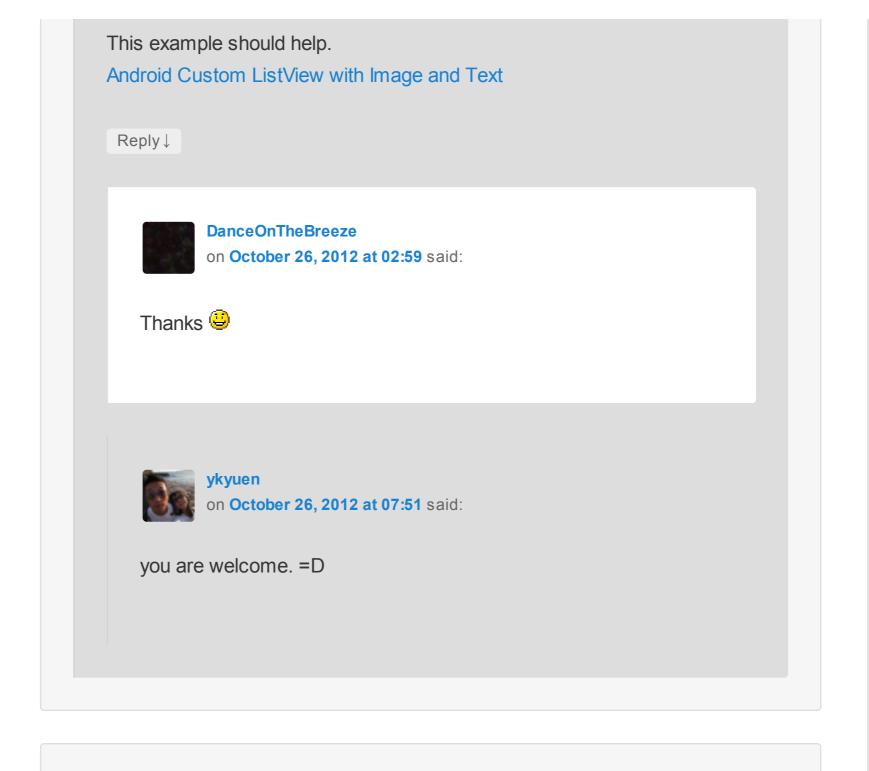


DanceOnTheBreeze on October 19, 2012 at 23:48 said:

Hi, I have managed to put Strings across to the list view xml but how do I get images across? SimpleAdapter adapter = new SimpleAdapter(this, fillMaps, R.layout.grid item, from, to); – in this bit instead of from and to I have my Strings, but don't know what type an image should be. Thanks in advance for any help 😉



vkvuen on October 25, 2012 at 22:36 said:





Harish on November 1, 2012 at 21:27 said:

hi,

i need to display the multiples colors in list view. like stock market app is coming when ever it is increase it is showing green symbol & red color will come under decrease, how we can do ??please help me out...

Reply↓



ykyuen
on November 3, 2012 at 14:33 said:

The following example should help.

StackOverflow – Android ListView Text Color

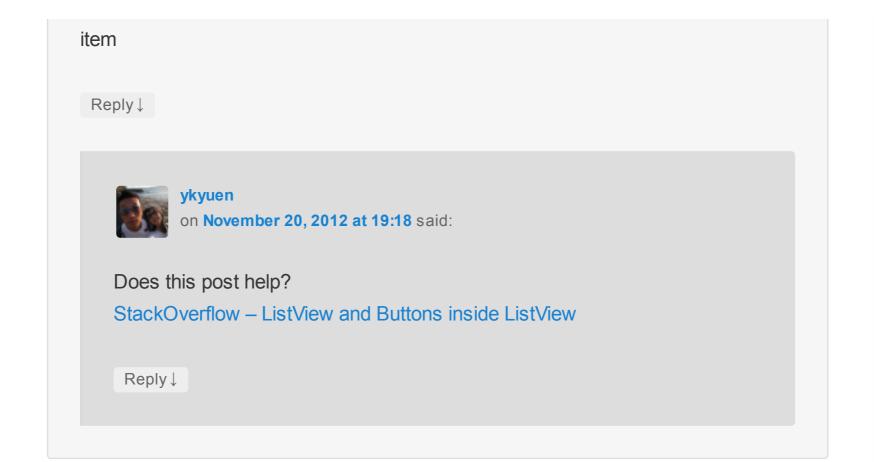
Reply↓



satya on **November 17, 2012 at 19:16** said:

i prepared a list ,every item of list also carried one one list,and in second list's item when i click

is connect to different activity. how can connect different activity in second list's





max on **December 7, 2012 at 22:35** said:

thanks a lot for these example!!!!!!!!!!! ©

Reply↓



ykyuen
on December 8, 2012 at 22:15 said:

```
You are welcome. =)

Reply↓
```



Recca Phan on December 8, 2012 at 03:17 said:

I have this code, In the following code i stored all the list data in an array called words[] and attached to listview using simple ArrayAdapter. So how to bring the database instead for the array to display the Search Functionality to ListView:

```
public class LookupActivity extends Activity {
        // List view
       private ListView lv;
04
       // Listview Adapter
       ArrayAdapter adapter;
09
        // Search EditText
10
       EditText inputSearch;
12
        // ArrayList for Listview
       ArrayList< HashMap&gt; productList;
13
14
        DatabaseHandler mDB;
16
        @Override
       public void onCreate(Bundle savedInstanceState) {
17
            super.onCreate(savedInstanceState);
```

```
setContentView(R.layout.maintim);
20
           // Listview Data
21
           String words[] ={"Kungfu", "Long"};
24
           lv = (ListView) findViewById(R.id.list view);
           inputSearch = (EditText) findViewById(R.id.inputSearch);
26
           // Adding items to listview
           adapter = new ArrayAdapter(this, R.layout.list item,
   R.id.word, words);
           lv.setAdapter(adapter);
29
           / * *
             * Enabling Search Filter
             * */
34
           inputSearch.addTextChangedListener(new TextWatcher() {
               public void onTextChanged(CharSequence cs, int arg1, int
   arg2, int arg3) {
                    // When user changed the Text
                    LookupActivity.this.adapter.getFilter().filter(cs);
41
               public void beforeTextChanged(CharSequence arg0, int
   arg1, int arg2,
                        int arg3) {
43
                    // TODO Auto-generated method stub
44
45
46
                public void afterTextChanged(Editable arg0) {
47
48
                    // TODO Auto-generated method stub
49
51
```



ykyuen on **December 8, 2012 at 22:21** said:

You could take a look on the following tutorials about working with database in android.

- Android Developers Saving Data in SQL Databases
- A simple example using Android's SQLite database, exposes data from Cursor to a ListView.

Reply↓



Recca Phan on **December 8, 2012 at 23:56** said:

thanks a lot if i have problem, can't i ask you ???



ykyuen on **December 9, 2012 at 01:14** said:

sure you can~ but i haven't done any android development for a long time. i am still on the sdk 1.6 level. =P



Recca Phan on **December 9, 2012 at 01:32** said:

i'm just on the sdk 1.5 LOL @))



ykyuen on **December 9, 2012 at 01:35** said:

haha~ i would try my best to help if i could~



Recca Phan on **December 9, 2012 at 02:15** said:

thanks so much 'now i have a problem...i had bring the database to display to ListView, but i wanna search it. Example: when you type "a" will show...

Apply

Cat

(...)

i do it but have a problem that i don't know what it is ⁽²⁾), can you help me???

This is code:

```
import android.app.Activity;
002 import android.database.Cursor;
003 import android.os.Bundle;
004 import android.text.Editable;
005 import android.text.TextWatcher;
006 import android.widget.ArrayAdapter;
007 import android.widget.EditText;
008 import android.widget.ListView;
009 import android.widget.SimpleCursorAdapter;
    public class AndroidSQLite extends Activity {
011
013 private SQLiteAdapter mySQLiteAdapter;
014 //Search EditText
    EditText inputSearch;
015
    //Listview Adapter
017
018 ArrayAdapter adapter;
019
      /** Called when the activity is first created. */
      @Override
021
```

```
public void onCreate(Bundle savedInstanceState) {
023
           super.onCreate(savedInstanceState);
024
           setContentView(R.layout.main);
           ListView listContent =
     (ListView) findViewById(R.id.contentlist);
           inputSearch = (EditText)
    findViewById(R.id.inputSearch);
028
029
            * Create/Open a SQLite database
               and fill with dummy content
031
               and close it
034
          mySQLiteAdapter = new SQLiteAdapter(this);
          mySQLiteAdapter.openToWrite();
           mySQLiteAdapter.deleteAll();
           mySQLiteAdapter.insert("Apply");
039
          mySQLiteAdapter.insert("Boy");
041
          mySQLiteAdapter.insert("Cat");
          mySQLiteAdapter.insert("Dog");
043
          mySQLiteAdapter.insert("Egg");
044
          mySQLiteAdapter.insert("Fish");
045
          mySQLiteAdapter.insert("Girl");
          mySQLiteAdapter.insert("Hand");
          mySOLiteAdapter.insert("Ice-scream");
047
          mySQLiteAdapter.insert("Jet");
          mySQLiteAdapter.insert("Kite");
049
          mySQLiteAdapter.insert("Lamp");
          mySQLiteAdapter.insert("Man");
051
          mySQLiteAdapter.insert("Nose");
          mySQLiteAdapter.insert("Orange");
054
          mySQLiteAdapter.insert("Pen");
          mySQLiteAdapter.insert("Queen");
          mySQLiteAdapter.insert("Rain");
          mySQLiteAdapter.insert("Sugar");
          mySQLiteAdapter.insert("Tree");
059
          mySQLiteAdapter.insert("Umbrella");
```

```
mySQLiteAdapter.insert("Van");
          mySQLiteAdapter.insert("Water");
061
          mySQLiteAdapter.insert("X'mas");
          mySQLiteAdapter.insert("Yellow");
063
064
          mySQLiteAdapter.insert("Zoo");
          mySQLiteAdapter.close();
           * Open the same SQLite database
069
            * and read all it's content.
071
            * /
          mySQLiteAdapter = new SQLiteAdapter(this);
          mySQLiteAdapter.openToRead();
074
          Cursor cursor = mySQLiteAdapter.queueAll();
          startManagingCursor(cursor);
          String[] from = new
    String[]{SQLiteAdapter.KEY CONTENT};
          int[] to = new int[]{R.id.text};
079
          SimpleCursorAdapter cursorAdapter =
081
           new SimpleCursorAdapter(this, R.layout.row,
    cursor, from, to);
          listContent.setAdapter(cursorAdapter);
084
          mySQLiteAdapter.close();
           * Enabling Search Filter
089
            * */
091
          inputSearch.addTextChangedListener(new
    TextWatcher() {
               public void onTextChanged(CharSequence cs, int
    arg1, int arg2, int arg3) {
                  // When user changed the Text
094
                  AndroidSQLite.this.adapter.getFilter().fil
```

```
097
               public void beforeTextChanged(CharSequence
    arg0, int arg1, int arg2,
099
                       int arg3) {
100
                   // TODO Auto-generated method stub
101
102
103
104
               public void afterTextChanged(Editable arg0) {
                   // TODO Auto-generated method stub
105
106
           });
107
108
109
```



ykyuen on **December 9, 2012 at 11:06** said:

Android Adding Search Functionality to ListView



Recca Phan on **December 9, 2012 at 23:21** said:

Oops!!! Page not found.



on **December 9, 2012 at 23:34** said:

updated



Recca Phan on **December 10, 2012 at 00:10** said:

i did this tutorial but it don't use database to display to ListView, it uses string. I don't know how to use database in this code ⁽²⁾ (



on **December 10, 2012 at 00:12** said:

that is for the search function



ameer on December 8, 2012 at 14:20 said:

This link will help you to solve the prob u have

http://learnandroidfree.blogspot.in/2012/11/listview-in-android-with-text-and-image.html

http://learnandroidfree.blogspot.in/2012/11/custom-android-listviews-table-view-in.html

Reply↓



on December 8, 2012 at 22:22 said:

Thanks for the links. =)

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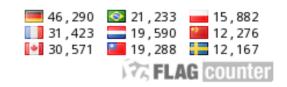
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