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Image Gallery Example in Android

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Posted by [Sushant](#) on July 2, 2012, filed in: [Android Beginner Tutorials](#), [Android Development](#)



This example shows how create Image Gallery in android.

Algorithm:

- 1.) Create a new project by File-> New -> Android Project name it ImageGalleryExample.
- 2.) Add some sample .png image files to res/drawables folder.
- 3.) Write following into main.xml file:

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent">
5
6   <ImageSwitcher android:id="@+id/switcher"
7     android:layout_width="match_parent"
8     android:layout_height="match_parent"
9     android:layout_alignParentTop="true"
10    android:layout_alignParentLeft="true"
11  />
12
13  <Gallery android:id="@+id/gallery"
14    android:background="#55000000"
```

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About Author

```

15     android:layout_width="match_parent"
16     android:layout_height="60dp"
17     android:layout_alignParentBottom="true"
18     android:layout_alignParentLeft="true"
19
20     android:gravity="center_vertical"
21     android:spacing="16dp"
22 />
23
24 </RelativeLayout>

```

4.) Run for output.

Steps:

1.) Create a project named ImageGalleryExample and set the information as stated in the image.

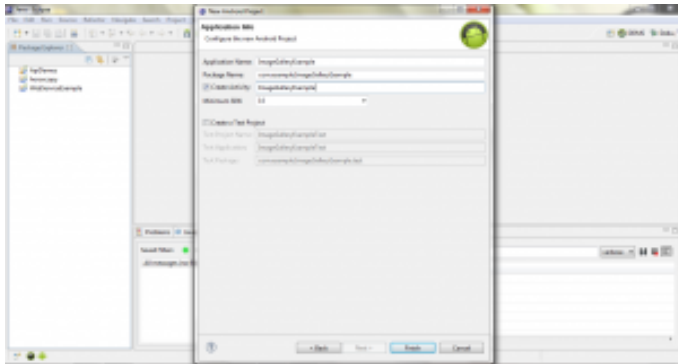
Build Target: Android 4.0

Application Name: ImageGalleryExample

Package Name: com.example.ImageGalleryExample

Activity Name: ImageGalleryExample

Min SDK Version: 14



2.) Open ImageGalleryExample.java file and write following code there:

```

1 package com.example.ImageGalleryExample;
2
3 import android.app.Activity;
4 import android.content.Context;
5 import android.os.Bundle;
6 import android.view.View;
7 import android.view.ViewGroup;
8 import android.view.Window;
9 import android.view.animation.AnimationUtils;

```



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```

10 import android.widget.AdapterView;
11 import android.widget.BaseAdapter;
12 import android.widget.Gallery;
13 import android.widget.Gallery.LayoutParams;
14 import android.widget.ImageSwitcher;
15 import android.widget.ImageView;
16 import android.widget.ViewSwitcher;
17
18 public class ImageGalleryExample extends Activity implements
19     AdapterView.OnItemClickListener, ViewSwitcher.ViewFactory {
20
21     @Override
22     public void onCreate(Bundle savedInstanceState) {
23         super.onCreate(savedInstanceState);
24         requestWindowFeature(Window.FEATURE_NO_TITLE);
25
26         setContentView(R.layout.main);
27
28         mSwitcher = (ImageSwitcher) findViewById(R.id.switcher);
29         mSwitcher.setFactory(this);
30         mSwitcher.setInAnimation(AnimationUtils.loadAnimation(this,
31             android.R.anim.fade_in));
32         mSwitcher.setOutAnimation(AnimationUtils.loadAnimation(this,
33             android.R.anim.fade_out));
34
35         Gallery g = (Gallery) findViewById(R.id.gallery);
36         g.setAdapter(new ImageAdapter(this));
37         g.setOnItemClickListener(this);
38     }
39
40     public void onItemClick(AdapterView<?> parent, View v, int position, long
41         mSwitcher.setImageResource(mImageIds[position]));
42     }
43
44     public void onNothingSelected(AdapterView<?> parent) {
45     }
46
47     public View makeView() {
48         ImageView i = new ImageView(this);
49         i.setBackgroundColor(0xFF000000);
50         i.setScaleType(ImageView.ScaleType.FIT_CENTER);
51         i.setLayoutParams(new ImageSwitcher.LayoutParams(LayoutParams.MATCH_PARE
52             LayoutParams.MATCH_PARENT));
53         return i;
54     }
55
56     private ImageSwitcher mSwitcher;
57
58     public class ImageAdapter extends BaseAdapter {
59         public ImageAdapter(Context c) {
60             mContext = c;

```



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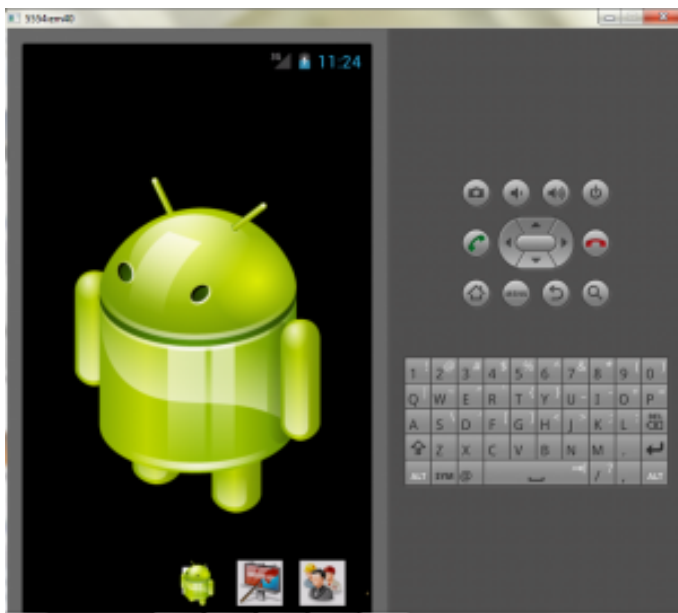
```

61     }
62
63     public int getCount() {
64         return mThumbIds.length;
65     }
66
67     public Object getItem(int position) {
68         return position;
69     }
70
71     public long getItemId(int position) {
72         return position;
73     }
74
75     public View getView(int position, View convertView, ViewGroup parent) {
76         ImageView i = new ImageView(mContext);
77
78         i.setImageResource(mThumbIds[position]);
79         i.setAdjustViewBounds(true);
80         i.setLayoutParams(new Gallery.LayoutParams(
81             LayoutParams.WRAP_CONTENT, LayoutParams.WRAP_CONTENT));
82         i.setBackgroundResource(R.drawable.picture_frame);
83         return i;
84     }
85
86     private Context mContext;
87
88 }
89
90 private Integer[] mThumbIds = {
91     R.drawable.sample_thumb_0, R.drawable.sample_thumb_1,
92     R.drawable.sample_thumb_2, R.drawable.sample_thumb_3};
93
94 private Integer[] mImageIds = {
95     R.drawable.sample_0, R.drawable.sample_1, R.drawable.sample_2,
96     R.drawable.sample_3};
97
98 }

```

3.) Compile and build the project.

Output



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One Response



Chetan Sharma

August 7, 2012 at 6:07 am

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