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Image SlideShow using ViewFlipper in Android

August 17, 2012

By [george](#)

In this article we will create an Android application which rotates through a fixed set of images using ViewFlipper. The application facilitates users to Start or Stop slideshow using a button click.



This application is developed using Eclipse IDE (4.2.0) with ADT plugin (20.0.3) and Android SDK (R20.0.3) .

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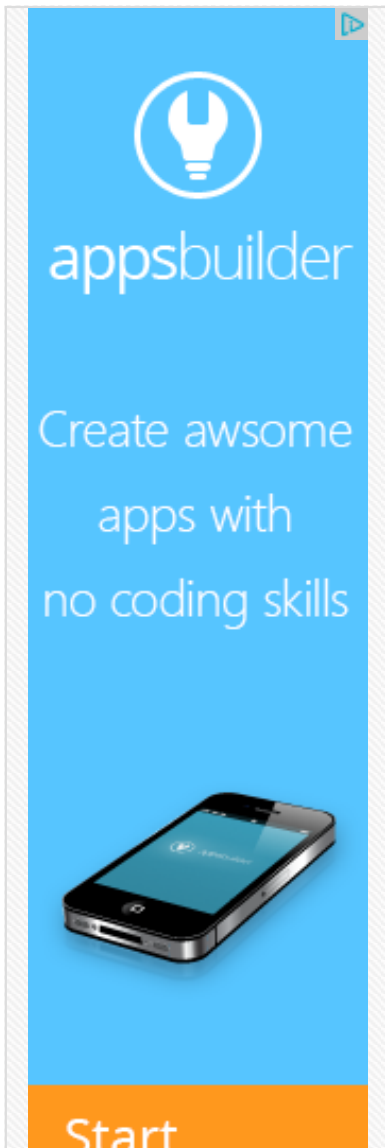


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1. Create new Android application project namely “ViewFlipperDemo”

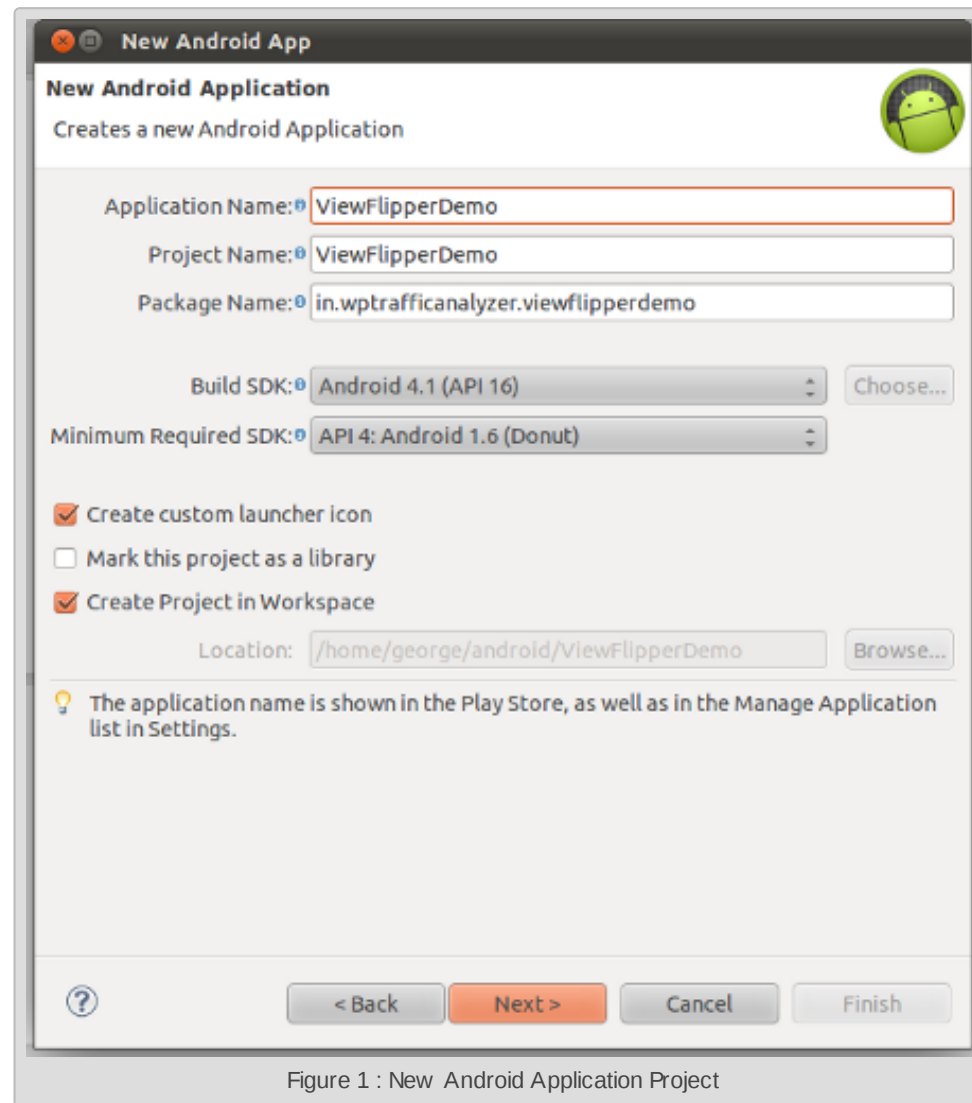


Figure 1 : New Android Application Project

2. Design application launcher icon

This is Module : Student

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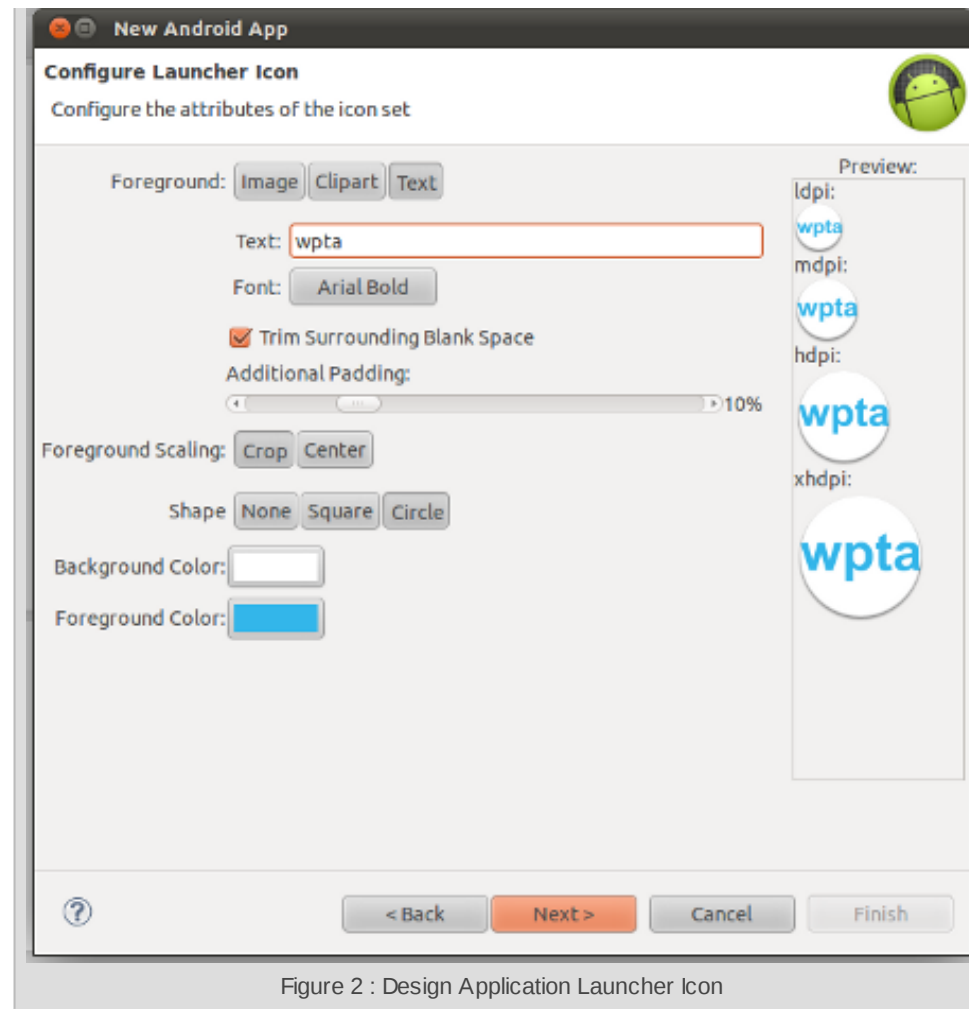


Figure 2 : Design Application Launcher Icon

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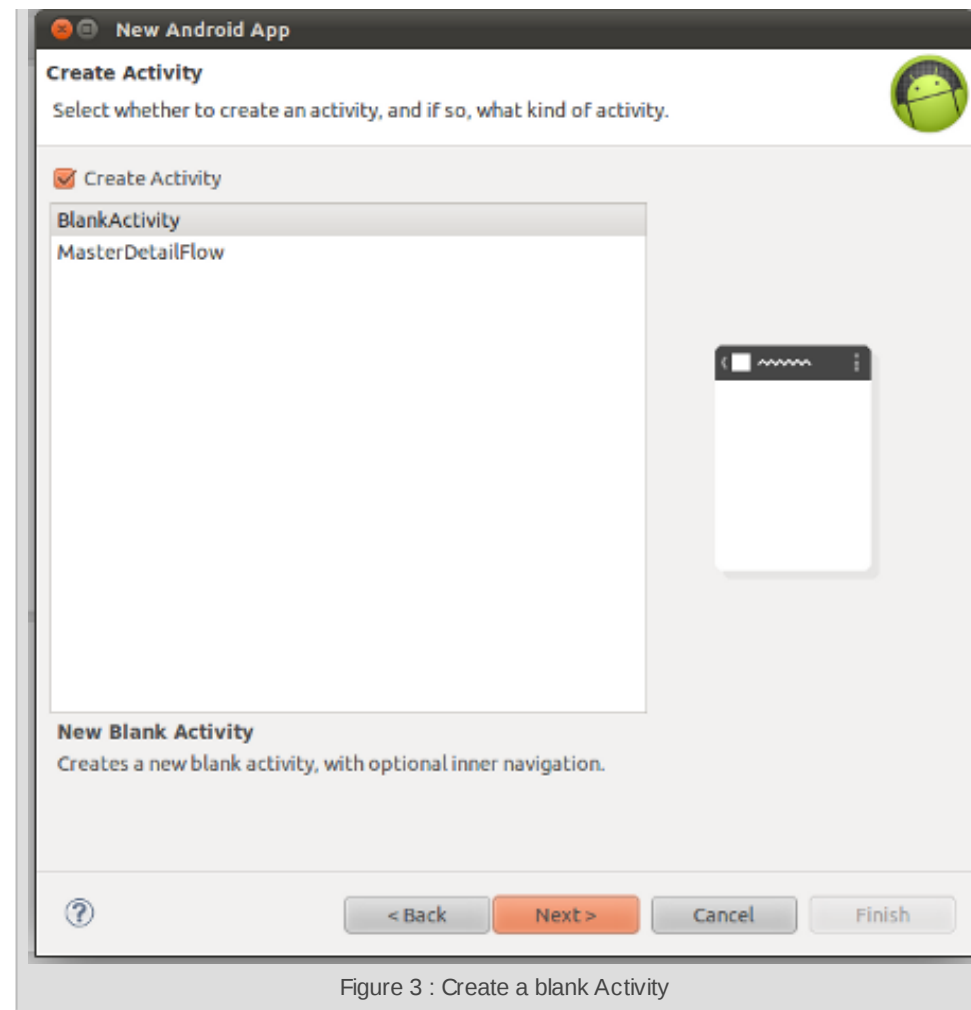


Figure 3 : Create a blank Activity

4. Enter MainActivity Details

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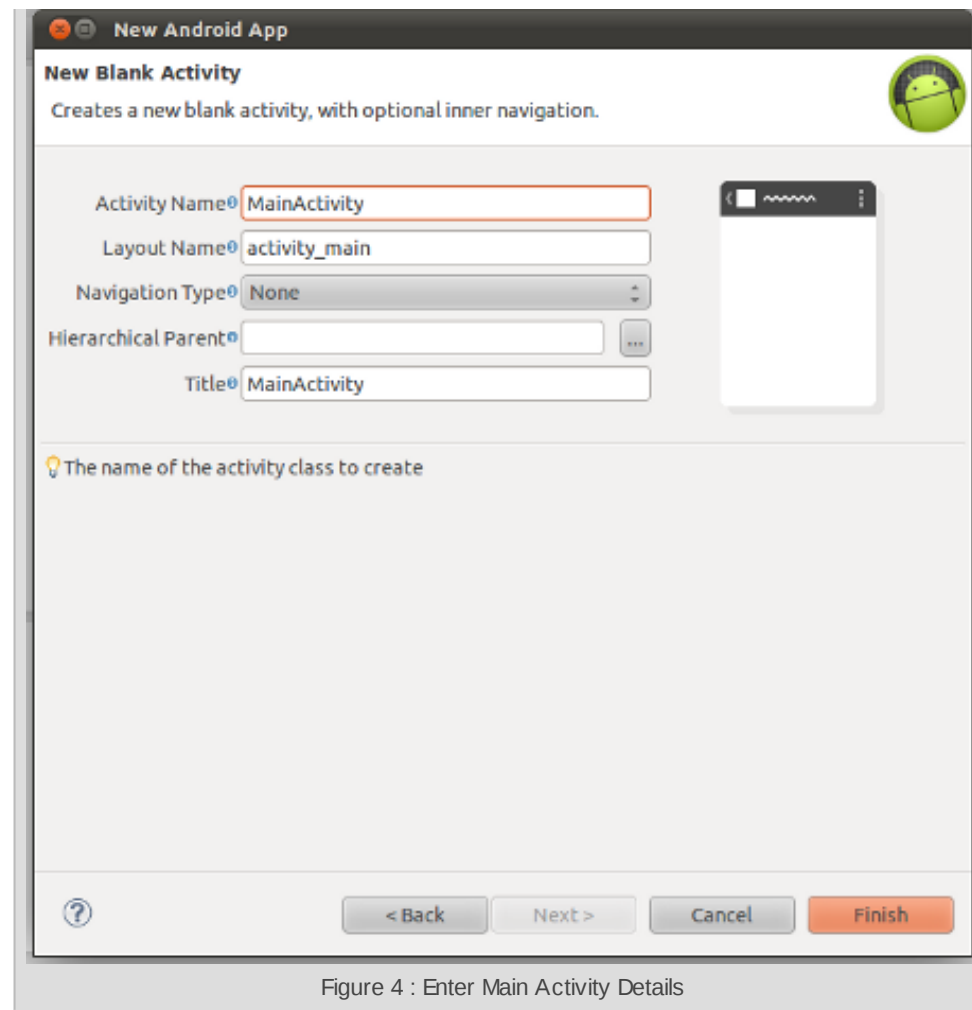


Figure 4 : Enter Main Activity Details

5. Create new folder res/drawable and download the given below file and extract it to the folder res/drawable folder



Download Images

6. Update the file res/values/strings.xml

```
1 <resources>
2
3     <string name="app_name">ViewFlipperDemo</string>
```

```

4      <string name="hello_world">Hello world!</string>
5      <string name="menu_settings">Settings</string>
6      <string name="title_activity_main">ViewPager Demo</string>
7
8      <string name="str_img1">Image1</string>
9      <string name="str_img2">Image2</string>
10     <string name="str_img3">Image3</string>
11     <string name="str_img4">Image4</string>
12     <string name="str_img5">Image5</string>
13
14     <string name="str_btn_start">Start SlideShow</string>
15     <string name="str_btn_stop">Stop SlideShow</string>
16
17 </resources>

```

7. Update the file res/values/styles.xml

```

1 <resources>
2 <style name="AppTheme" parent="android:Theme" />
3 </resources>

```

8. Update the file res/values-v11/styles.xml

```

1 <resources>
2 <style name="AppTheme" parent="android:Theme.Holo" />
3 </resources>

```

9. Update the file res/values-v14/styles.xml

```

1 <resources>
2 <style name="AppTheme" parent="android:Theme.Holo" />
3 </resources>

```

10. Update the layout file res/layout/activity_main.xml

```

1 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res."
2   xmlns:tools="http://schemas.android.com/tools"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent" >
5
6   <Button
7       android:id="@+id/btn"
8       android:layout_width="fill_parent"

```

```

9         android:layout_height="wrap_content"
10        android:text="@string/str_btn_start"
11    />
12
13    <ViewFlipper
14        android:id="@+id/flipper1"
15        android:layout_width="fill_parent"
16        android:layout_height="wrap_content"
17        android:flipInterval="3000"
18        android:inAnimation="@android:anim/slide_in_left"
19        android:outAnimation="@android:anim/slide_out_right"
20        android:layout_centerInParent="true"
21    >
22
23        <ImageView
24            android:src="@drawable/img1"
25            android:layout_width="match_parent"
26            android:layout_height="match_parent"
27            android:contentDescription="@string/str_img1"
28            android:layout_gravity="center_horizontal"
29        />
30
31        <ImageView
32            android:src="@drawable/img2"
33            android:layout_width="match_parent"
34            android:layout_height="match_parent"
35            android:contentDescription="@string/str_img2"
36            android:layout_gravity="center_horizontal"
37        />
38
39        <ImageView
40            android:src="@drawable/img3"
41            android:layout_width="match_parent"
42            android:layout_height="match_parent"
43            android:contentDescription="@string/str_img3"
44            android:layout_gravity="center_horizontal"
45        />
46
47        <ImageView
48            android:src="@drawable/img4"
49            android:layout_width="wrap_content"
50            android:layout_height="wrap_content"
51            android:contentDescription="@string/str_img4"
52            android:layout_gravity="center_horizontal"
53        />
54
55        <ImageView

```



```

56         android:src="@drawable/img5"
57         android:layout_width="match_parent"
58         android:layout_height="match_parent"
59         android:contentDescription="@string/str_img5"
60         android:layout_gravity="center_horizontal"
61     />
62 </ViewFlipper>
63
64 </RelativeLayout>

```

11. Update the class MainActivity in the file src/in/wptrafficanalyzer/viewflipperdemo/MainActivity.java

```

1  package in.wptrafficanalyzer.viewflipperdemo;
2
3  import android.app.Activity;
4  import android.os.Bundle;
5  import android.view.Menu;
6  import android.view.View;
7  import android.view.View.OnClickListener;
8  import android.widget.Button;
9  import android.widget.ViewFlipper;
10
11  public class MainActivity extends Activity {
12
13      int mFlipping = 0 ; // Initially flipping is off
14      Button mButton ; // Reference to button available in the layout
15
16      @Override
17      public void onCreate(Bundle savedInstanceState) {
18          super.onCreate(savedInstanceState);
19          setContentView(R.layout.activity_main);
20
21          /** Click event handler for button */
22          OnClickListener listener = new OnClickListener() {
23
24              @Override
25              public void onClick(View v) {
26                  ViewFlipper flipper = (ViewFlipper) findViewById(R.id.viewflipper);
27
28                  if(mFlipping==0){
29                      /** Start Flipping */
30                      flipper.startFlipping();
31                      mFlipping=1;
32                      mButton.setText(R.string.str_btn_stop);
33                  }

```

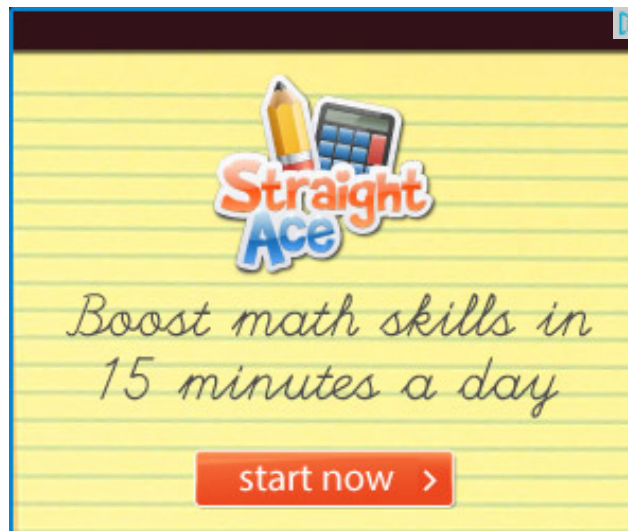


```

34         else{
35             /** Stop Flipping */
36             flipper.stopFlipping();
37             mFlipping=0;
38             mButton.setText(R.string.str_btn_start);
39         }
40     }
41 };
42
43     /** Getting a reference to the button available in the re:
44     mButton = (Button) findViewById(R.id.btn);
45
46     /** Setting click event listener for the button */
47     mButton.setOnClickListener(listener);
48
49 }
50
51 @Override
52 public boolean onCreateOptionsMenu(Menu menu) {
53     getMenuInflater().inflate(R.menu.activity_main, menu);
54     return true;
55 }
56 }

```

12. Screenshot of the application in execution



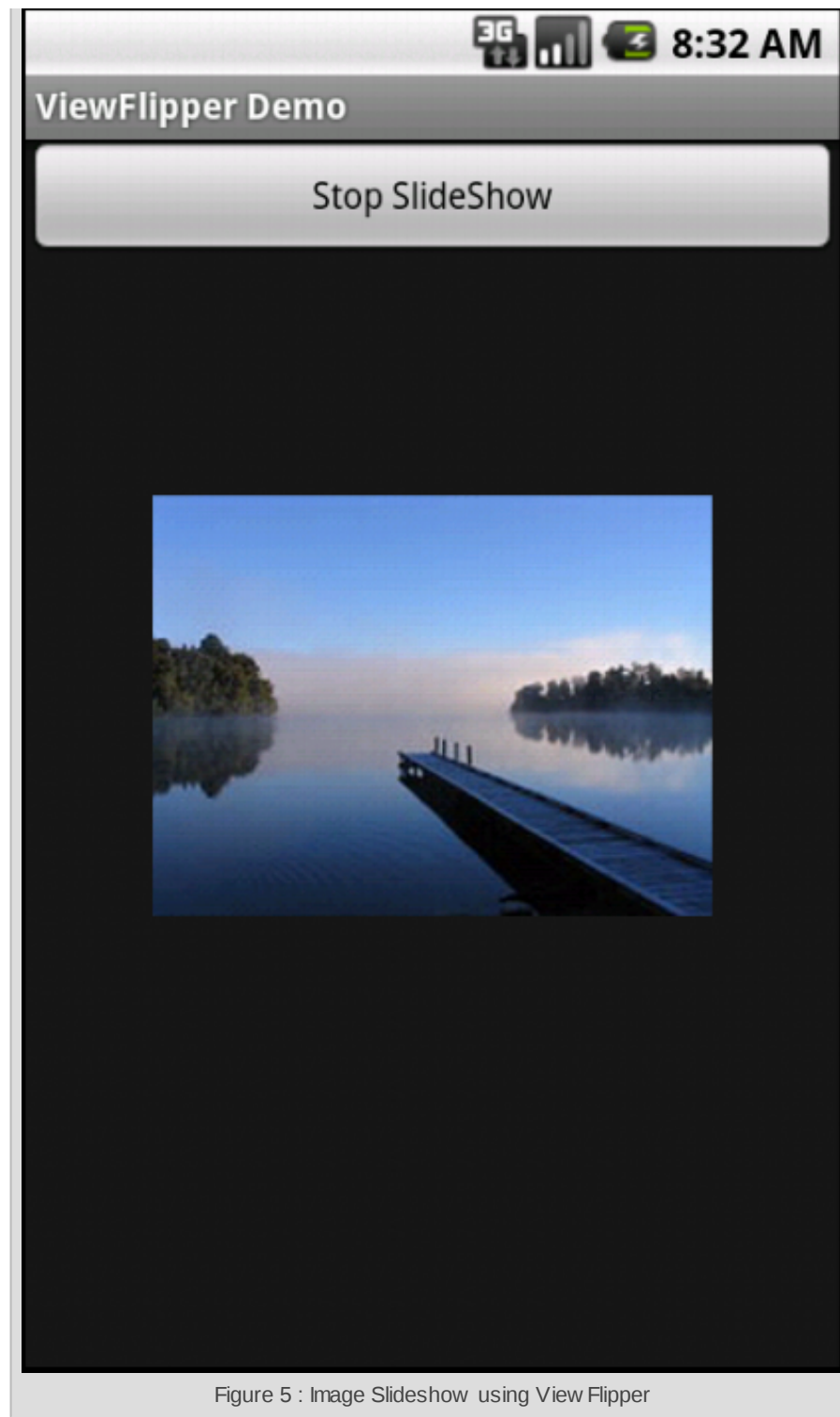


Figure 5 : Image Slideshow using View Flipper

13. Download



Download Full Source Code

14. Reference

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

Android Knowledge Quiz

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sumaya on September 3, 2012 at 7:23 pm

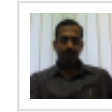
is it possible to create the first page with logo just for some second



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[george](#) on September 4, 2012 at 11:30 am



For this, you can create some splash screen as discussed in the article [Showing Splash Screen in Full Screen Mode using CountdownTimer in Android](#)

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