



W12\_mp3

## strings.xml

```
1  <resources>
2      <string name="app_name">My Java App</string>
3      <string name="play">Multimedia Play</string>
4      <string name="pl">Play</string>
5      <string name="pau">Pause</string>
6      <string name="stop">Stop</string>
7      <string name="cont">Continue</string>
8      <string name="err">Cannot play</string>
9      <string name="loop">Loop</string>
10 </resources>
```

## zh-rTW\strings.xml

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <resources>
3      <string name="app_name">我的爪哇應用程式</string>
4      <string name="play">多媒體名稱:</string>
5      <string name="pl">播放</string>
6      <string name="pau">暫停</string>
7      <string name="stop">停止</string>
8      <string name="cont">繼續</string>
9      <string name="err">歌曲有錯</string>
10     <string name="loop">重複播放</string>
11 </resources>
```

## activity\_main.xml

```
9      <TextView
10          android:layout_width="wrap_content"
11          android:layout_height="wrap_content"
12          android:text="@string/play"
13          android:id="@+id/res"/>
14
15      <Button
16          android:id="@+id/b1"
17          android:layout_width="wrap_content"
18          android:layout_height="wrap_content"
19          android:layout_below="@+id/res"
20          android:text="@string/pau"/>
21
22      <Button
23          android:id="@+id/b2"
24          android:layout_width="wrap_content"
25          android:layout_height="wrap_content"
26          android:layout_below="@+id/res"
27          android:layout_toRightOf="@+id/b1"
28          android:text="@string/stop"/>
29
30      <CheckBox
31          android:id="@+id/ch1"
32          android:layout_width="wrap_content"
33          android:layout_height="wrap_content"
34          android:layout_below="@+id/res"
35          android:layout_toRightOf="@+id/b2"
36          android:text="@string/loop"/>
37  </RelativeLayout>
```

# MainActivity.java

```
18 public class MainActivity extends AppCompatActivity implements
19     MediaPlayer.OnPreparedListener,
20     MediaPlayer.OnCompletionListener,
21     MediaPlayer.OnErrorListener, View.OnClickListener {
22
23     2 usages
24     TextView rr; Button bt_pau, bt_st; CheckBox ck; MediaPlayer mp; Uri u;
25     protected void onCreate(Bundle savedInstanceState) {
26         super.onCreate(savedInstanceState);
27         setContentView(R.layout.activity_main);
28
29         rr=(TextView) findViewById(R.id.res);
30         bt_pau=(Button) findViewById(R.id.b1);
31         bt_st=(Button) findViewById(R.id.b2);
32         ck=(CheckBox) findViewById(R.id.ch1); ck.setChecked(false);
33         mp=new MediaPlayer(); mp.setOnCompletionListener(this);
34         mp.setOnPreparedListener(this); mp.setOnErrorListener(this);
35         getWindow().addFlags(WindowManager.LayoutParams.FLAG_KEEP_SCREEN_ON);
36         //setRequestedOrientation(ActivityInfo.SCREEN_ORIENTATION_LANDSCAPE); 横置
37         setRequestedOrientation(ActivityInfo.SCREEN_ORIENTATION_PORTRAIT); //直置
38         u= Uri.parse( uriString: "android.resource://" +getPackageName()+"/"+R.raw.welcome);
39         String ss="android.resource://" +getPackageName()+"/R.raw.welcome";
40         rr.setText(getString(R.string.play)+ss); prep();
41         bt_pau.setOnClickListener(this); bt_st.setOnClickListener(this);
42     }
```

```
43 public void onClick(View view) {
44     if(view == bt_pau){
45         if(mp.isPlaying()){
46             mp.pause(); bt_pau.setText(getString(R.string.cont));
47         } else {
48             mp.start(); bt_pau.setText(getString(R.string.pau));
49             bt_st.setEnabled(true);
50         }
51     }
52     if(view == bt_st){
53         mp.pause(); mp.seekTo( msec: 0);
54         bt_pau.setText(getString(R.string.pl)); bt_st.setEnabled(false);
55     }
56     if(ck==view){
57         if (ck.isChecked()) mp.setLooping(true); else mp.setLooping(false);
58     }
59 }
```

1 usage

```
60 void prep(){
61     bt_pau.setText(getString(R.string.pl)); bt_pau.setEnabled(false); bt_st.setEnabled(false);
62     try{
63         mp.reset(); mp.setDataSource(context: this, u); mp.setLooping(ck.isChecked());
64         mp.prepareAsync();
65     } catch (Exception e){
66         Toast.makeText(context: this,getString(R.string.err), Toast.LENGTH_SHORT).show();
67     }
68 }
69
70 public void onCompletion(MediaPlayer mediaPlayer) {
71     mp.seekTo(msec: 0); bt_pau.setText(getString(R.string.pl)); bt_st.setEnabled(false);
72 }
73
74 public boolean onError(MediaPlayer mediaPlayer, int i, int i1) {
75     Toast.makeText(context: this, getString(R.string.err),Toast.LENGTH_SHORT).show();
76     return true;
77 }
78
79 public void onPrepared(MediaPlayer mediaPlayer) { bt_pau.setEnabled(true); }
80 }
```