Demo32-MediaPlayer音频播放

1. activity\_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="match\_parent"

android:layout\_height="match\_parent" >

<Button

android:id="@+id/play"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Play" />

<Button

android:id="@+id/pause"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Pause" />

<Button

android:id="@+id/stop"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Stop" />

</LinearLayout>

1. MainActivity.java

**import** android.Manifest;  
**import** android.content.pm.PackageManager;  
**import** android.media.MediaPlayer;  
**import** android.os.Environment;  
**import** android.support.v4.app.ActivityCompat;  
**import** android.support.v4.content.ContextCompat;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.Toast;  
  
**import** java.io.File;  
  
**public class** MainActivity **extends** AppCompatActivity **implements** View.OnClickListener{  
  
 **private** MediaPlayer **mediaPlayer** = **new** MediaPlayer();  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 Button play = (Button) findViewById(R.id.***play***);  
 Button pause = (Button) findViewById(R.id.***pause***);  
 Button stop = (Button) findViewById(R.id.***stop***);  
 play.setOnClickListener(**this**);  
 pause.setOnClickListener(**this**);  
 stop.setOnClickListener(**this**);  
 **if** (ContextCompat.*checkSelfPermission*(MainActivity.**this**, Manifest.permission.***WRITE\_EXTERNAL\_STORAGE***) != PackageManager.***PERMISSION\_GRANTED***) {  
 ActivityCompat.*requestPermissions*(MainActivity.**this**, **new** String[]{ Manifest.permission. ***WRITE\_EXTERNAL\_STORAGE*** }, 1);  
 } **else** {  
 initMediaPlayer(); *// 初始化MediaPlayer* }  
 }  
  
 **private void** initMediaPlayer() {  
 **try** {  
 *// File file = new File(Environment.getExternalStorageDirectory(), "music.mp3");* **mediaPlayer**.setDataSource(Environment.*getExternalStorageDirectory*()+**"/waterdrop.mp3"**); *// 指定音频文件的路径* **mediaPlayer**.prepare(); *// 让MediaPlayer进入到准备状态* } **catch** (Exception e) {  
 e.printStackTrace();  
 }  
 }  
  
 @Override  
 **public void** onRequestPermissionsResult(**int** requestCode, String[] permissions, **int**[] grantResults) {  
 **switch** (requestCode) {  
 **case** 1:  
 **if** (grantResults.**length** > 0 && grantResults[0] == PackageManager.***PERMISSION\_GRANTED***) {  
 initMediaPlayer();  
 } **else** {  
 Toast.*makeText*(**this**, **"拒绝权限将无法使用程序"**, Toast.***LENGTH\_SHORT***).show();  
 finish();  
 }  
 **break**;  
 **default**:  
 }  
 }  
  
 @Override  
 **public void** onClick(View v) {  
 **switch** (v.getId()) {  
 **case** R.id.***play***:  
 **if** (!**mediaPlayer**.isPlaying()) {  
 **mediaPlayer**.start(); *// 开始播放* }  
 **break**;  
 **case** R.id.***pause***:  
 **if** (**mediaPlayer**.isPlaying()) {  
 **mediaPlayer**.pause(); *// 暂停播放* }  
 **break**;  
 **case** R.id.***stop***:  
 **if** (**mediaPlayer**.isPlaying()) {  
 **mediaPlayer**.reset(); *// 停止播放* initMediaPlayer();  
 }  
 **break**;  
 **default**:  
 **break**;  
 }  
 }  
  
 @Override  
 **protected void** onDestroy() {  
 **super**.onDestroy();  
 **if** (**mediaPlayer** != **null**) {  
 **mediaPlayer**.stop();  
 **mediaPlayer**.release();  
 }  
 }  
  
}

1. AndroidManifest.xml加入权限

<uses-permission android:name="android.permission.WRITE\_EXTERNAL\_STORAGE" />