



实施方案 自定义适配器

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context="com.jvtc.ad.demo03.MainActivity">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="南昌景点介绍"
        android:background="#ccbbaa"
        android:textSize="24sp"
        android:gravity="center"
        android:padding="10dp"/>

    <ListView
        android:id="@+id/lv1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="#aabbcc"
        android:divider="#aaaaaa"
        android:dividerHeight="2dp"/>

</LinearLayout>
```

item.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="horizontal"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <ImageView
        android:id="@+id/img_photo"
        android:layout_width="100dp"
```



```
android:layout_height="75dp"  
android:src="@drawable/twg"/>
```

```
<TextView  
    android:id="@+id/tv_name"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_toRightOf="@id/img_photo"  
    android:layout_marginTop="10dp"  
    android:layout_marginLeft="8dp"  
    android:text="滕王阁"  
    android:textSize="20sp"/>
```

```
<RatingBar  
    android:id="@+id/rating1"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignBottom="@id/tv_name"  
    android:layout_alignParentRight="true"  
    android:layout_margin="5dp"  
    style="@style/Widget.AppCompat.RatingBar.Small"  
    android:isIndicator="false"  
    android:rating="3.5"/>
```

```
<TextView  
    android:id="@+id/tv_info"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="江南三大名楼之首江南三大名楼之首江南三大名楼之  
首江南三大名楼之首"  
    android:textColor="#0000ee"  
    android:textSize="12sp"  
    android:layout_marginTop="15dp"  
    android:singleLine="true"  
    android:ellipsize="end"  
    android:layout_below="@+id/tv_name"  
    android:layout_alignLeft="@id/tv_name" />  
</RelativeLayout>
```

activity_content.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_content"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:orientation="vertical"
    tools:context="com.jvtc.ad.demo03.ContentActivity">
    <TextView
        android:id="@+id/con_name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="24sp"/>
    <ImageView
        android:id="@+id/con_photo"
        android:layout_width="match_parent"
        android:layout_height="240dp" />
    <TextView
        android:id="@+id/con_info"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />
    <RatingBar
        android:id="@+id/con_rating"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />
</LinearLayout>
```



Scenery.java

```
package com.jvtc.ad.demo03;

import java.io.Serializable;

public class Scenery implements Serializable{
    private int imgId;
    private String name;
    private String info;
    private float rate;

    public Scenery() {
    }

    public Scenery(int imgId, String name, String info, float rate) {
        this.imgId = imgId;
        this.name = name;
        this.info = info;
        this.rate =rate;
    }

    public int getImgId() {
        return imgId;
    }

    public void setImgId(int imgId) {
        this.imgId = imgId;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getInfo() {
        return info;
    }

    public void setInfo(String info) {
        this.info = info;
    }
}
```



```
}

public float getRate() {
    return rate;
}

public void setRate(float rate) {
    this.rate = rate;
}

@Override
public String toString() {
    return "Scenery{" +
        "imgId=" + imgId +
        ", name='" + name + '\'' +
        ", info='" + info + '\'' +
        ", rate=" + rate +
        '}' ;
}
}
```

Dao.java

```
package com.jvtc.ad.demo03;

import android.util.Log;

import java.io.Serializable;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map;

public class Dao implements Serializable{
    private List<Scenery> myList;
    private int n=6;

    public Dao() {
        myList=new ArrayList<>();
        int [] imgPhoto={R.drawable.twg,R.drawable.bdsr,R.drawable.hwf,
            R.drawable.xssl,R.drawable.wsg,R.drawable.ml};
        String [] stName={"滕王阁","八大山人纪念馆","罕王峰",
            "象山森林公园","西山万寿宫","梅岭"};
    }
}
```



String [] stInfo={"江南三大名楼之首","集收藏、陈列、研究、宣传为一体",

"青山绿水，风景多彩，盛夏气候凉爽",

"避暑、休闲、疗养、度假的最佳场所","江南著名道教宫观和游览胜地",

"山势嵯峨，层峦叠翠，四时秀色，气候宜人"};

float [] rate={3.5f, 4f, 4.5f, 4f, 3.5f, 3f};

for (int i=0;i<n;i++){

myList.add(new

Scenery(imgPhoto[i], stName[i], stInfo[i], rate[i]));

}

}

public Scenery getScenery(int index){

return myList.get(index);

}

public int getN() {

return n;

}

public void remove(Scenery scenery){

myList.remove(scenery);

n--;

}

public void modifyRate(int index, float rate){

Scenery scenery=myList.get(index);

scenery.setRate(rate);

Log.i("test", scenery.toString());

myList.set(index, scenery);

}

}



MainActivity.java

```
package com.jvtc.ad.demo03;

import android.content.Context;
import android.content.DialogInterface;
import android.content.Intent;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.BaseAdapter;
import android.widget.ImageView;
import android.widget.ListView;
import android.widget.RatingBar;
import android.widget.TextView;
import android.widget.Toast;
import java.io.Serializable;

public class MainActivity extends AppCompatActivity {
    private ListView lv;
    private MyAdapter myAdapter;
    private Dao dao;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        lv=(ListView)findViewById(R.id.lv1);
        /* //调试: 测试对象类 Scenery
        Scenery scenery=new Scenery(R.drawable.twg, "滕王阁", "江南三大
名楼之首");
        Log.i("test", scenery.toString());
        //调试: 测试业务类 Dao
        Dao dao=new Dao();
        Log.i("test", dao.getScenery(3).toString());*/
        dao=new Dao();
        myAdapter=new MyAdapter(this);
        lv.setAdapter(myAdapter);
    }
}
```



```
private class MyAdapter extends BaseAdapter {
    private LayoutInflater inflater=null;
    public MyAdapter(Context context) {
        inflater=LayoutInflater.from(context);
    }

    @Override
    public int getCount() {
        return dao.getN();
    }

    @Override
    public Scenery getItem(int position) {
        return dao.getScenery(position);
    }

    @Override
    public long getItemId(int position) {
        return position;
    }

    @Override
    public View getView(final int position, View convertView,
    ViewGroup parent) {
        Scenery scenery=getItem(position);
        View item=inflater.inflate(R.layout.item,null);

        ImageView
imgPhoto=(ImageView)item.findViewById(R.id.img_photo);
        TextView tvName=(TextView)item.findViewById(R.id.tv_name);
        TextView tvInfo=(TextView)item.findViewById(R.id.tv_info);
        RatingBar
rating1=(RatingBar)item.findViewById(R.id.rating1);

        imgPhoto.setImageResource(scenery.getImgId());
        tvName.setText(scenery.getName());
        tvInfo.setText(scenery.getInfo());
        rating1.setRating(scenery.getRate());
        rating1.setOnRatingBarChangeListener(new
RatingBar.OnRatingBarChangeListener() {
            @Override
            public void onRatingChanged(RatingBar ratingBar, float
rating, boolean fromUser) {
                dao.modifyRate(position,rating);
            }
        });
    }
}
```




```
    }
    });

    item.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent intent=new
Intent(MainActivity.this,ContentActivity.class);
            //intent.putExtra("flag",position);
            Bundle bundle=new Bundle();
            bundle.putSerializable("data",dao);
            bundle.putInt("flag",position);
            intent.putExtras(bundle);
            startActivity(intent);
        }
    });

    item.setOnLongClickListener(new View.OnLongClickListener()
{
    @Override
    public boolean onLongClick(View v) {
        AlertDialog.Builder builder=new
AlertDialog.Builder(MainActivity.this);
        builder.setTitle("删除提示");
        builder.setMessage("一旦删除,无法恢复!");
        builder.setIcon(R.drawable.exit);
        builder.setPositiveButton("确定", new
DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int
which) {
                dao.remove(dao.getScenery(position));
                myAdapter.notifyDataSetChanged();
            }
        });
        builder.setNegativeButton("取消",null);
        builder.create().show();
        return false;
    }
});
return item;
}
}
}
```



ContentActivity.java

```
package com.jvtc.ad.demo03;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.ImageView;
import android.widget.RatingBar;
import android.widget.TextView;
import android.widget.Toast;

public class ContentActivity extends AppCompatActivity {
    private TextView conName, conInfo;
    private ImageView conPhoto;
    private RatingBar conRating;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_content);

        Intent intent=getIntent();
        Bundle bundle=intent.getExtras();
        int index=bundle.getInt("flag",0);
        //Toast.makeText(this, "No"+index, Toast.LENGTH_SHORT).show();
        Dao dao=(Dao)bundle.getSerializable("data");
        Scenery scenery=dao.getScenery(index);

        //Toast.makeText(this, scenery.toString(), Toast.LENGTH_SHORT).show();
        initView();
        conName.setText(scenery.getName());
        conInfo.setText(scenery.getInfo());
        conPhoto.setImageResource(scenery.getImgId());
        conRating.setRating(scenery.getRate());
    }
    private void initView() {
        conName=(TextView)findViewById(R.id.con_name);
        conInfo=(TextView)findViewById(R.id.con_info);
        conPhoto=(ImageView) findViewById(R.id.con_photo);
        conRating=(RatingBar)findViewById(R.id.con_rating);
    }
}
```