



链滴

[Android]RecyclerView结合CardView的用法

作者: [lixiang0](#)

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本文的目标是学会RecyclerView结合CardView的初步使用方法。

1.首先添加依赖项

在build.gradle文件的dependencies节点中添加一下代码：

```
compile 'com.android.support:appcompat-v7:24.1.1'
compile 'com.android.support:design:24.1.1'
compile 'com.android.support:support-v4:24.1.1'
compile 'com.android.support:cardview-v7:24.1.1'
```

2.设计布局

2.1 Layout_item 的布局

这是单个Item的CardView布局，内容只有一个TextView显示文本。

```
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/
android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/cardview"

    android:layout_margin="8dp"
    android:layout_height="80dp"
    android:layout_width="match_parent">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textAppearance="?android:attr/textAppearanceLarge"
        android:text="text"
        android:id="@+id/tv_item" />
</android.support.v7.widget.CardView>
```

2.2主布局

主布局用于显示RecyclerView。

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    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"
    tools:context="pub.cpp.demos.MainActivity">

<android.support.v7.widget.RecyclerView
    android:id="@+id/my_recycler_view"
    android:scrollbars="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    app:layout_behavior="@string/appbar_scrolling_view_behavior"
/>
```

```
</RelativeLayout>
```

3.添加适配器

```
package pub.cpp.demos;

import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

/**
 * Created by xzh on 8/10/2016.
 */
public class MyAdapter extends RecyclerView.Adapter<MyAdapter.ViewHolder>{
    String data[];
    public MyAdapter(String[] data){
        this.data=data;
    }

    @Override
    public MyAdapter.ViewHolder onCreateViewHolder(ViewGroup parent, int viewType) {
        View v= LayoutInflater.from(parent.getContext()).inflate(R.layout.layout_item,parent,false)

        return new ViewHolder(v);
    }

    @Override
    public void onBindViewHolder(ViewHolder holder, int position) {
        holder.tv_viewHolder.setText(data[position]);
    }

    @Override
    public int getItemCount() {
        return data.length;
    }

    public class ViewHolder extends RecyclerView.ViewHolder{
        public TextView tv_viewHolder;
        public ViewHolder(View itemView) {
            super(itemView);
            tv_viewHolder= (TextView) itemView.findViewById(R.id.tv_item);
        }
    }
}
```

4.显示

设置Activity显示逻辑

```
package pub.cpp.demos;

import android.support.v7.app.AppCompatActivity;
```

```
import android.os.Bundle;
import android.support.v7.widget.LinearLayoutManager;
import android.support.v7.widget.RecyclerView;

public class MainActivity extends AppCompatActivity {
    RecyclerView mRecyclerView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        String[] data={"11111111111111111111111111111111","12222222222222222222222222222222",
"1","23333333333333333333333333333332","34444444444444444444444443","115555555555555555",
"1666666666666661","223452345234522","33","11","11","22","33","11","11","22","33"};
        mRecyclerView= (RecyclerView) findViewById(R.id.my_recycler_view);
        mRecyclerView.setHasFixedSize(true);
        mRecyclerView.setAdapter(new MyAdapter(data));
        mRecyclerView.setLayoutManager(new LinearLayoutManager(this));
    }
}
```

之后直接运行就可以看到运行效果了~

最后附上项目的GitHub链接: <https://github.com/lixiang0/app/tree/master/Demos/app>