Demo12-ListView最基本的使用

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">

<ListView

android:id="@+id/list\_view"

android:layout\_width="match\_parent"

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

</ListView>

</LinearLayout>

1. fruit\_item.xml

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout 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/fruit\_image"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

<TextView

android:id="@+id/fruit\_name"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="center\_vertical"

android:layout\_marginLeft="10dp" />

</LinearLayout>

1. bean: Fruit.java

//属性+Getter+Setter

public class Fruit {

private String name;

private int imageId;

public Fruit(String name, int imageId) {

this.name = name;

this.imageId = imageId;

}

public String getName() {

return name;

}

public int getImageId() {

return imageId;

}

}

1. 适配器： 数据整理类，整理到API里面，然后setAdapter传到系统，给系统回调

import android.content.Context;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.ArrayAdapter;

import android.widget.ImageView;

import android.widget.TextView;

import java.util.List;

public class FruitAdapter extends ArrayAdapter<Fruit> {

private int resourceId;

public FruitAdapter(Context context, int textViewResourceId,

List<Fruit> objects) {

super(context, textViewResourceId, objects);

resourceId = textViewResourceId;

}

@Override

public View getView(int position, View convertView, ViewGroup parent) {

Fruit fruit = getItem(position); // 获取当前项的Fruit实例

View view;

ViewHolder viewHolder;

if (convertView == null) {

view = LayoutInflater.from(getContext()).inflate(resourceId, parent, false);

viewHolder = new ViewHolder();

viewHolder.fruitImage = (ImageView) view.findViewById (R.id.fruit\_image);

viewHolder.fruitName = (TextView) view.findViewById (R.id.fruit\_name);

view.setTag(viewHolder); // 将ViewHolder存储在View中

} else {

view = convertView;

viewHolder = (ViewHolder) view.getTag(); // 重新获取ViewHolder

}

viewHolder.fruitImage.setImageResource(fruit.getImageId());

viewHolder.fruitName.setText(fruit.getName());

return view;

}

class ViewHolder {

ImageView fruitImage;

TextView fruitName;

}

}

1. MainActivity

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.ListView;

import android.widget.Toast;

import java.util.ArrayList;

import java.util.List;

public class MainActivity extends AppCompatActivity {

private List<Fruit> fruitList = new ArrayList<Fruit>();

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

//initView()

ListView listView = (ListView) findViewById(R.id.list\_view);

//initData()

initFruits(); // 初始化水果数据

FruitAdapter adapter = new FruitAdapter(MainActivity.this, R.layout.fruit\_item, fruitList);

listView.setAdapter(adapter);

listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {

@Override

public void onItemClick(AdapterView<?> parent, View view,

int position, long id) {

Fruit fruit = fruitList.get(position);

Toast.makeText(MainActivity.this, fruit.getName(), Toast.LENGTH\_SHORT).show();

}

});

}

private void initFruits() {

for (int i = 0; i < 2; i++) {

Fruit apple = new Fruit("Apple", R.drawable.apple\_pic);

fruitList.add(apple);

Fruit banana = new Fruit("Banana", R.drawable.banana\_pic);

fruitList.add(banana);

Fruit orange = new Fruit("Orange", R.drawable.orange\_pic);

fruitList.add(orange);

Fruit watermelon = new Fruit("Watermelon", R.drawable.watermelon\_pic);

fruitList.add(watermelon);

Fruit pear = new Fruit("Pear", R.drawable.pear\_pic);

fruitList.add(pear);

Fruit grape = new Fruit("Grape", R.drawable.grape\_pic);

fruitList.add(grape);

Fruit pineapple = new Fruit("Pineapple", R.drawable.pineapple\_pic);

fruitList.add(pineapple);

Fruit strawberry = new Fruit("Strawberry", R.drawable.strawberry\_pic);

fruitList.add(strawberry);

Fruit cherry = new Fruit("Cherry", R.drawable.cherry\_pic);

fruitList.add(cherry);

Fruit mango = new Fruit("Mango", R.drawable.mango\_pic);

fruitList.add(mango);

}

}

}