**package** com.example.administrator.springviewdemo;

**import** android.app.Activity;

**import** android.graphics.Bitmap;

**import** android.os.Bundle;

**import** android.os.Handler;

**import** android.view.View;

**import** android.view.ViewGroup;

**import** android.view.animation.Animation;

**import** android.view.animation.AnimationSet;

**import** android.view.animation.TranslateAnimation;

**import** android.widget.AdapterView;

**import** android.widget.GridView;

**import** android.widget.ImageView;

**import** android.widget.LinearLayout;

**import** android.widget.TextView;

**import** com.channl.library.DragAdapter;

**import** com.channl.library.OtherAdapter;

**import** com.channl.library.view.DragGridView;

**import** com.channl.library.view.MyGridView;

**import** java.util.ArrayList;

**import** java.util.List;

*/\*\**

*\* Created by Administrator on 2017/3/24.*

*\*/*

**public class** ChannceActivity **extends** Activity **implements** AdapterView.OnItemClickListener {

**private** MyGridView **mOtherGv**;

**private** DragGridView **mUserGv**;

**private** List<String> **mUserList** = **new** ArrayList<>();

**private** List<String> **mOtherList** = **new** ArrayList<>();

**private** OtherAdapter **mOtherAdapter**;

**private** DragAdapter **mUserAdapter**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***chu\_layout***);

initView();

}

**public void** initView() {

**mUserGv** = (DragGridView) findViewById(R.id.***userGridView***);

**mOtherGv** = (MyGridView) findViewById(R.id.***otherGridView***);

**mUserList**.add(**"推荐"**);

**mUserList**.add(**"热点"**);

**mUserList**.add(**"上海"**);

**mUserList**.add(**"时尚"**);

**mUserList**.add(**"科技"**);

**mUserList**.add(**"体育"**);

**mUserList**.add(**"军事"**);

**mUserList**.add(**"财经"**);

**mUserList**.add(**"网络"**);

**mOtherList**.add(**"汽车"**);

**mOtherList**.add(**"房产"**);

**mOtherList**.add(**"社会"**);

**mOtherList**.add(**"情感"**);

**mOtherList**.add(**"女人"**);

**mOtherList**.add(**"旅游"**);

**mOtherList**.add(**"健康"**);

**mOtherList**.add(**"美女"**);

**mOtherList**.add(**"游戏"**);

**mOtherList**.add(**"数码"**);

**mOtherList**.add(**"娱乐"**);

**mOtherList**.add(**"探索"**);

**mUserAdapter** = **new** DragAdapter(**this**, **mUserList**,**true**);

**mOtherAdapter** = **new** OtherAdapter(**this**, **mOtherList**,**false**);

**mUserGv**.setAdapter(**mUserAdapter**);

**mOtherGv**.setAdapter(**mOtherAdapter**);

**mUserGv**.setOnItemClickListener(**this**);

**mOtherGv**.setOnItemClickListener(**this**);

}

*/\*\**

*\*获取点击的Item的对应View，*

*\*因为点击的Item已经有了自己归属的父容器MyGridView，所有我们要是有一个ImageView来代替Item移动*

*\** ***@param view***

*\** ***@return***

*\*/*

**private** ImageView getView(View view) {

view.destroyDrawingCache();

view.setDrawingCacheEnabled(**true**);

Bitmap cache = Bitmap.*createBitmap*(view.getDrawingCache());

view.setDrawingCacheEnabled(**false**);

ImageView iv = **new** ImageView(**this**);

iv.setImageBitmap(cache);

**return** iv;

}

*/\*\**

*\* 获取移动的VIEW，放入对应ViewGroup布局容器*

*\** ***@param viewGroup***

*\** ***@param view***

*\** ***@param initLocation***

*\** ***@return***

*\*/*

**private** View getMoveView(ViewGroup viewGroup, View view, **int**[] initLocation) {

**int** x = initLocation[0];

**int** y = initLocation[1];

viewGroup.addView(view);

LinearLayout.LayoutParams mLayoutParams = **new** LinearLayout.LayoutParams(ViewGroup.LayoutParams.***WRAP\_CONTENT***, ViewGroup.LayoutParams.***WRAP\_CONTENT***);

mLayoutParams.**leftMargin** = x;

mLayoutParams.**topMargin** = y;

view.setLayoutParams(mLayoutParams);

**return** view;

}

*/\*\**

*\* 创建移动的ITEM对应的ViewGroup布局容器*

*\* 用于存放我们移动的View*

*\*/*

**private** ViewGroup getMoveViewGroup() {

*//window中最顶层的view*

ViewGroup moveViewGroup = (ViewGroup) getWindow().getDecorView();

LinearLayout moveLinearLayout = **new** LinearLayout(**this**);

moveLinearLayout.setLayoutParams(**new** LinearLayout.LayoutParams(ViewGroup.LayoutParams.***MATCH\_PARENT***, ViewGroup.LayoutParams.***MATCH\_PARENT***));

moveViewGroup.addView(moveLinearLayout);

**return** moveLinearLayout;

}

*/\*\**

*\* 点击ITEM移动动画*

*\**

*\** ***@param moveView***

*\** ***@param startLocation***

*\** ***@param endLocation***

*\** ***@param moveChannel***

*\** ***@param clickGridView***

*\*/*

**private void** MoveAnim(View moveView, **int**[] startLocation, **int**[] endLocation, **final** String moveChannel,

**final** GridView clickGridView, **final boolean** isUser) {

**int**[] initLocation = **new int**[2];

*//获取传递过来的VIEW的坐标*

moveView.getLocationInWindow(initLocation);

*//得到要移动的VIEW,并放入对应的容器中*

**final** ViewGroup moveViewGroup = getMoveViewGroup();

**final** View mMoveView = getMoveView(moveViewGroup, moveView, initLocation);

*//创建移动动画*

TranslateAnimation moveAnimation = **new** TranslateAnimation(

startLocation[0], endLocation[0], startLocation[1],

endLocation[1]);

moveAnimation.setDuration(300L);*//动画时间*

*//动画配置*

AnimationSet moveAnimationSet = **new** AnimationSet(**true**);

moveAnimationSet.setFillAfter(**false**);*//动画效果执行完毕后，View对象不保留在终止的位置*

moveAnimationSet.addAnimation(moveAnimation);

mMoveView.startAnimation(moveAnimationSet);

moveAnimationSet.setAnimationListener(**new** Animation.AnimationListener() {

@Override

**public void** onAnimationStart(Animation animation) {

}

@Override

**public void** onAnimationRepeat(Animation animation) {

}

@Override

**public void** onAnimationEnd(Animation animation) {

moveViewGroup.removeView(mMoveView);

*// 判断点击的是DragGrid还是OtherGridView*

**if** (isUser) {

**mOtherAdapter**.setVisible(**true**);

**mOtherAdapter**.notifyDataSetChanged();

**mUserAdapter**.remove();

} **else** {

**mUserAdapter**.setVisible(**true**);

**mUserAdapter**.notifyDataSetChanged();

**mOtherAdapter**.remove();

}

}

});

}

@Override

**public void** onItemClick(AdapterView<?> parent, View view, **final int** position, **long** id) {

**switch** (parent.getId()) {

**case** R.id.***userGridView***:

*//position为 0，1 的不可以进行任何操作*

**if** (position != 0 && position != 1) {

**final** ImageView moveImageView = getView(view);

**if** (moveImageView != **null**) {

TextView newTextView = (TextView) view.findViewById(R.id.***text\_item***);

**final int**[] startLocation = **new int**[2];

newTextView.getLocationInWindow(startLocation);

**final** String channel = ((DragAdapter) parent.getAdapter()).getItem(position);*//获取点击的频道内容*

**mOtherAdapter**.setVisible(**false**);

*//添加到最后一个*

**mOtherAdapter**.addItem(channel);

**new** Handler().postDelayed(**new** Runnable() {

**public void** run() {

**try** {

**int**[] endLocation = **new int**[2];

*//获取终点的坐标*

**mOtherGv**.getChildAt(**mOtherGv**.getLastVisiblePosition()).getLocationInWindow(endLocation);

MoveAnim(moveImageView, startLocation, endLocation, channel, **mUserGv**, **true**);

**mUserAdapter**.setRemove(position);

} **catch** (Exception localException) {

}

}

}, 50L);

}

}

**break**;

**case** R.id.***otherGridView***:

**final** ImageView moveImageView = getView(view);

**if** (moveImageView != **null**) {

TextView newTextView = (TextView) view.findViewById(R.id.***text\_item***);

**final int**[] startLocation = **new int**[2];

newTextView.getLocationInWindow(startLocation);

**final** String channel = ((OtherAdapter) parent.getAdapter()).getItem(position);

**mUserAdapter**.setVisible(**false**);

*//添加到最后一个*

**mUserAdapter**.addItem(channel);

**new** Handler().postDelayed(**new** Runnable() {

**public void** run() {

**try** {

**int**[] endLocation = **new int**[2];

*//获取终点的坐标*

**mUserGv**.getChildAt(**mUserGv**.getLastVisiblePosition()).getLocationInWindow(endLocation);

MoveAnim(moveImageView, startLocation, endLocation, channel, **mOtherGv**,**false**);

**mOtherAdapter**.setRemove(position);

} **catch** (Exception localException) {

}

}

}, 50L);

}

**break**;

**default**:

**break**;

}

}

}