### RecycleView的下拉 上拉刷新

1. 布局页面

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| *<?***xml version="1.0" encoding="utf-8"***?>* <**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  android:layout\_width="match\_parent"  android:orientation="vertical"  android:layout\_height="match\_parent"**>  <**android.support.v4.widget.SwipeRefreshLayout  android:layout\_width="match\_parent"  android:id="@+id/flash"  android:layout\_height="match\_parent"**>  <**android.support.v7.widget.RecyclerView  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:id="@+id/vp\_news\_rv"** ></**android.support.v7.widget.RecyclerView**>  </**android.support.v4.widget.SwipeRefreshLayout**> </**LinearLayout**>  这里我引用了外部插件**SwipeRefreshLayout** |

1. 在oncreate里面绑定控件

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| **private** SwipeRefreshLayout **swipeRefreshLayout**;  **private** RecyclerView **vp\_news\_rv**;  **view\_news**=getActivity().getLayoutInflater().inflate(R.layout.***view\_news***,**null**); **vp\_news\_rv**=(RecyclerView)**view\_news**.findViewById(R.id.***vp\_news\_rv***);  **swipeRefreshLayout**=**view\_news**.findViewById(R.id.***flash***); |

### 下拉刷新

1. 在oncreateView里面给swipeRefreshLayout添加点击事件

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| *// 通过swipeRefreshLayout实现下拉刷新* **swipeRefreshLayout**.setOnRefreshListener(**new** SwipeRefreshLayout.OnRefreshListener() {  @Override  **public void** onRefresh() {  **swipeRefreshLayout**.setRefreshing(**true**);//开启刷新  *//重新获取数据  //获取完成swipeRefreshLayout.setRefreshing(false);* (**new** Handler()).postDelayed(**new** Runnable() {  @Override  **public void** run() {  **swipeRefreshLayout**.setRefreshing(**false**);//停止刷新  news\_loadMore();//写入你要加载的数据的方法  }  },2000);  }  });  **public void** news\_loadMore(){  **news\_page**++;  **viewnewsDaoImp**.getNews(**news\_page**, **true**); }  *//news刷新加载更多的时候调用* **public void** freshNews(List<NewInformation> newInformations){  **int** size=**this**.**news\_beanList**.size();  **this**.**news\_beanList**.addAll(newInformations);  **vpNewsAdapter**.notifyItemRangeChanged(size,newInformations.size());*//在两者之间添加数据* **vpNewsAdapter**.changeMoreStatus(VpNewsAdapter.***PULLUP\_LOAD\_MORE***); } |

### **上拉刷新（自定义刷新样式）**

1. 写适配器

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| 重写getItemViewType(int position)方法 用来判断recycleview是不是滑到了底部  在头部定义两个变量  **private static final int *TYPE\_ITEM*** = 0; *//普通Item View* **private static final int *TYPE\_FOOTER*** = 1; *//底部FootView*  **private int load\_more\_status** = 0; *//上拉加载更多状态-默认为0* **public static final int *PULLUP\_LOAD\_MORE*** = 0; *//上拉加载更多* **public static final int *LOADING\_MORE*** = 1; *//正在加载中*  @Override **public int** getItemViewType(**int** position) {  *//最后一个item设置为footView* **if** (position + 1 == getItemCount()) {  **return *TYPE\_FOOTER***;  } **else** {  **return *TYPE\_ITEM***;  } }  写两个类都继承RecycleView.ViewHolder  正常显示类：  **public class** MyViewHolder **extends** RecyclerView.ViewHolder {  ImageView **news\_img\_iv**;  LinearLayout **news\_ll**;  TextView **news\_name\_tv**;  TextView **news\_time\_tv**;   **public** MyViewHolder(@NonNull View itemView) {  **super**(itemView);  **news\_img\_iv** = (ImageView) itemView.findViewById(R.id.***news\_img\_iv***);  **news\_ll** = (LinearLayout) itemView.findViewById(R.id.***news\_ll***);  **news\_name\_tv** = (TextView) itemView.findViewById(R.id.***news\_name\_tv***);  **news\_time\_tv** = (TextView) itemView.findViewById(R.id.***news\_time\_tv***);  } }  刷新显示类  **public static class** FootViewHolder **extends** RecyclerView.ViewHolder {  **private** TextView **foot\_view\_item\_tv**;   **public** FootViewHolder(View view) {  **super**(view);  **foot\_view\_item\_tv** = (TextView) view.findViewById(R.id.***load\_more***);  } }  重写onCreateViewHolder类  @NonNull @Override **public** RecyclerView.ViewHolder onCreateViewHolder(@NonNull ViewGroup viewGroup, **int** i) {  **if** (i == ***TYPE\_ITEM***) {  View view = LayoutInflater.*from*(viewGroup.getContext()).inflate(R.layout.***news\_item***, viewGroup, **false**);  MyViewHolder holder = **new** MyViewHolder(view);  **return** holder;  } **else if** (i == ***TYPE\_FOOTER***) {  View vieww = LayoutInflater.*from*(viewGroup.getContext()).inflate(R.layout.***load\_more***, viewGroup, **false**);  FootViewHolder footViewHolder = **new** FootViewHolder(vieww);  **return** footViewHolder;  }  **return null**; }  重写onBindViewHolder  @Override **public void** onBindViewHolder(@NonNull RecyclerView.ViewHolder myViewHolder, **int** i) {  **if** (myViewHolder **instanceof** MyViewHolder) {  ((MyViewHolder) myViewHolder).**news\_name\_tv**.setText(**list**.get(i).getName());  ((MyViewHolder) myViewHolder).**news\_time\_tv**.setText(**list**.get(i).getEndtime());  **if** (**list**.get(i).getImg\_url().**length** != 0) {  Glide.*with*(MyApplication.*getContext*()).load(**list**.get(i).getImg\_url()[0]).thumbnail(0.2f).into(((MyViewHolder) myViewHolder).**news\_img\_iv**);  }  } **else if** (myViewHolder **instanceof** FootViewHolder) {  FootViewHolder footViewHolder = (FootViewHolder) myViewHolder;  **switch** (**load\_more\_status**) {  **case *PULLUP\_LOAD\_MORE***:  footViewHolder.**foot\_view\_item\_tv**.setText(**"上拉加载更多..."**);  **break**;  **case *LOADING\_MORE***:  footViewHolder.**foot\_view\_item\_tv**.setText(**"正在加载更多数据..."**);  **break**;  }  } }  写一个改变状态的方法  **public void** changeMoreStatus(**int** status){  **load\_more\_status**=status;  notifyDataSetChanged(); }  全部代码 **public class** VpNewsAdapter **extends** RecyclerView.Adapter<RecyclerView.ViewHolder> {  **private static final int *TYPE\_ITEM*** = 0; *//普通Item View* **private static final int *TYPE\_FOOTER*** = 1; *//底部FootView* **private int load\_more\_status** = 0; *//上拉加载更多状态-默认为0* **public static final int *PULLUP\_LOAD\_MORE*** = 0; *//上拉加载更多* **public static final int *LOADING\_MORE*** = 1; *//正在加载中* **private** List<NewInformation> **list**;  **private** Context **context**;  **public** VpNewsAdapter(List<NewInformation> list, Context context) {  **this**.**list** = list;  **this**.**context** = context;  }  @NonNull  @Override  **public** RecyclerView.ViewHolder onCreateViewHolder(@NonNull ViewGroup viewGroup, **int** i) {  **if** (i == ***TYPE\_ITEM***) {  View view = LayoutInflater.*from*(viewGroup.getContext()).inflate(R.layout.***news\_item***, viewGroup, **false**);  MyViewHolder holder = **new** MyViewHolder(view);  **return** holder;  } **else if** (i == ***TYPE\_FOOTER***) {  View vieww = LayoutInflater.*from*(viewGroup.getContext()).inflate(R.layout.***load\_more***, viewGroup, **false**);  FootViewHolder footViewHolder = **new** FootViewHolder(vieww);  **return** footViewHolder;  }  **return null**;  }  @Override  **public void** onBindViewHolder(@NonNull RecyclerView.ViewHolder myViewHolder, **int** i) {  **if** (myViewHolder **instanceof** MyViewHolder) {  ((MyViewHolder) myViewHolder).**news\_name\_tv**.setText(**list**.get(i).getName());  ((MyViewHolder) myViewHolder).**news\_time\_tv**.setText(**list**.get(i).getEndtime());  **if** (**list**.get(i).getImg\_url().**length** != 0) {  Glide.*with*(MyApplication.*getContext*()).load(**list**.get(i).getImg\_url()[0]).thumbnail(0.2f).into(((MyViewHolder) myViewHolder).**news\_img\_iv**);  }  } **else if** (myViewHolder **instanceof** FootViewHolder) {  FootViewHolder footViewHolder = (FootViewHolder) myViewHolder;  **switch** (**load\_more\_status**) {  **case *PULLUP\_LOAD\_MORE***:  footViewHolder.**foot\_view\_item\_tv**.setText(**"上拉加载更多..."**);  **break**;  **case *LOADING\_MORE***:  footViewHolder.**foot\_view\_item\_tv**.setText(**"正在加载更多数据..."**);  **break**;  }  }   }   @Override  **public int** getItemCount() {  **return list**.size() + 1;  }  **public class** MyViewHolder **extends** RecyclerView.ViewHolder {  ImageView **news\_img\_iv**;  LinearLayout **news\_ll**;  TextView **news\_name\_tv**;  TextView **news\_time\_tv**;   **public** MyViewHolder(@NonNull View itemView) {  **super**(itemView);  **news\_img\_iv** = (ImageView) itemView.findViewById(R.id.***news\_img\_iv***);  **news\_ll** = (LinearLayout) itemView.findViewById(R.id.***news\_ll***);  **news\_name\_tv** = (TextView) itemView.findViewById(R.id.***news\_name\_tv***);  **news\_time\_tv** = (TextView) itemView.findViewById(R.id.***news\_time\_tv***);  }  }   **public static class** FootViewHolder **extends** RecyclerView.ViewHolder {  **private** TextView **foot\_view\_item\_tv**;   **public** FootViewHolder(View view) {  **super**(view);  **foot\_view\_item\_tv** = (TextView) view.findViewById(R.id.***load\_more***);  }  }   *//实现自定义上拉刷新效果* @Override  **public int** getItemViewType(**int** position) {  *//最后一个item设置为footView* **if** (position + 1 == getItemCount()) {  **return *TYPE\_FOOTER***;   } **else** {  **return *TYPE\_ITEM***;  }  }  **public void** changeMoreStatus(**int** status){  **load\_more\_status**=status;  notifyDataSetChanged();  } } |

1. 给recycleview添加滚动监听事件(在onCreateView里面实现)

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| **vp\_news\_rv**.addOnScrollListener(**new** RecyclerView.OnScrollListener() {  @Override  **public void** onScrollStateChanged(@NonNull RecyclerView recyclerView, **int** newState) {  **super**.onScrollStateChanged(recyclerView, newState);  **if** (newState ==RecyclerView.***SCROLL\_STATE\_IDLE*** && **lastVisibleItem**+ 1 ==**vpNewsAdapter**.getItemCount()) {//判断是不是滑到了最后一项  **new** Handler().postDelayed(**new** Runnable() {  @Override  **public void** run() {  news\_loadMore();//写入添加数据的方法  **vpNewsAdapter**.changeMoreStatus(VpNewsAdapter.***PULLUP\_LOAD\_MORE***);  }  },1000);  }  }  @Override  **public void** onScrolled(@NonNull RecyclerView recyclerView, **int** dx, **int** dy) {  **super**.onScrolled(recyclerView, dx, dy);  **lastVisibleItem** =**news\_manager**.findLastVisibleItemPosition();  } });  **public void** news\_loadMore(){  **news\_page**++;  **viewnewsDaoImp**.getNews(**news\_page**, **true**); }  他执行完会调用它  *//news刷新加载更多的时候调用* **public void** freshNews(List<NewInformation> newInformations){  **int** size=**this**.**news\_beanList**.size();  **this**.**news\_beanList**.addAll(newInformations);  **vpNewsAdapter**.notifyItemRangeChanged(size,newInformations.size());*//在两者之间添加数据* **vpNewsAdapter**.changeMoreStatus(VpNewsAdapter.***PULLUP\_LOAD\_MORE***); } |