

# 使用ViewPager展示未来天气、底部圆点的...

## 一、完成的任务

- 1.使用ViewPager控件实现能够翻页的底部控件
- 2.自定义pageAdapter实现内容的填充
- 3.底部两个小圆点的制作方法
- 4.设置监听器，实现小圆点跟随ViewPager控件翻页而改变

## 二、实现的效果



图1 页面1-翻页之前



图2 页面2-翻页之后

## 三、具体代码实现

### 1.修改weather\_info.xml文件

在RelativeLayout布局下方加入另一个RelativeLayout布局，并定义ViewPager控件，距离底部40dip的距离。同时，在底部的40dip空间内定义另一个RelativeLayout布局，用以存放下方的小圆点提示信息。

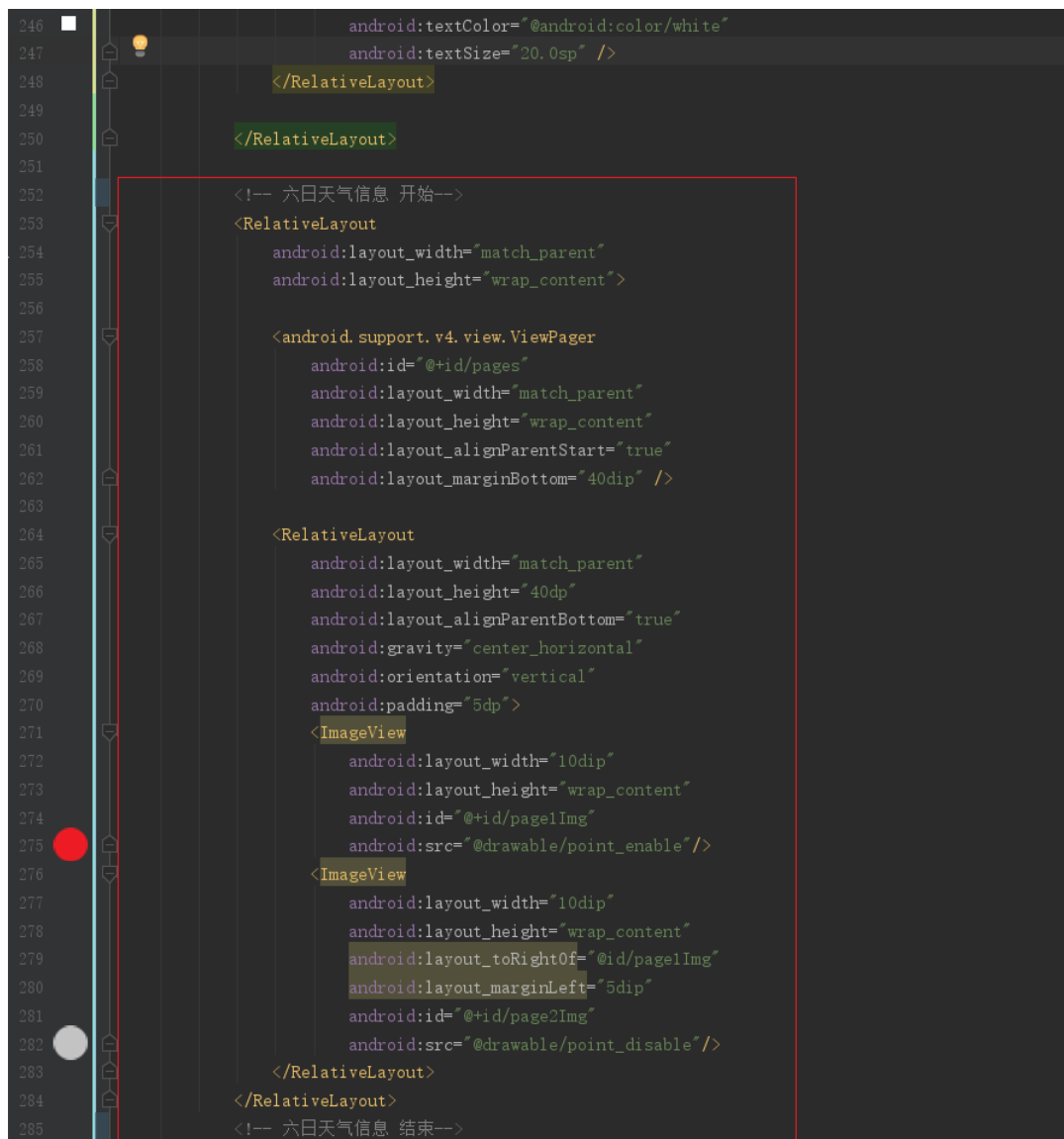


图3 在下方加上一个相对布局

## 2.新建pageAdapter类

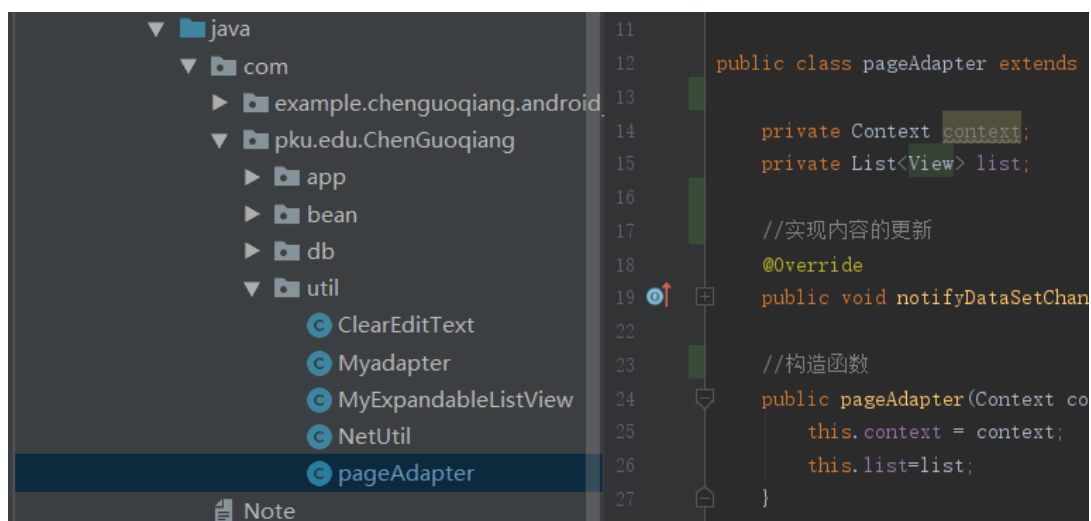


图4 pageAdapter类的位置

pagerAdapter.java的完整代码为：

pageAdapter.java:

```
1  package com.pku.edu.ChenGuoqiang.util;
2
3  import android.content.Context;
4  import android.support.annotation.NonNull;
5  import android.support.v4.view.PagerAdapter;
6  import android.view.View;
7  import android.view.ViewGroup;
8
9
10 import java.util.List;
11
12 public class pageAdapter extends PagerAdapter {
13
14     private Context context;
15     private List<View> list;
16
17     //实现内容的更新
18     @Override
19     public void notifyDataSetChanged() {
20         super.notifyDataSetChanged();
21     }
22
23     //构造函数
24     public pageAdapter(Context context, List<View> list){
25         this.context = context;
26         this.list=list;
27     }
28
29     @Override
30     public int getCount() {
31         return list.size();
32     }
33
34     @Override
35     public boolean isViewFromObject(@NonNull View view, @NonNull Object o)
36     {
37         return view == o;
38     }
39
40     @Override
41     public View instantiateItem(ViewGroup container, int position){
42         View view = list.get(position);
43         container.addView(view);
44         return view;
45     }
46
47     @Override
```

```
47     public void destroyItem(ViewGroup container, int position, Object
object){
48         View view = (View)object;
49         container.removeView(view);
50     }
51 }
52
```

### 3.修改TodayWeather.java文件

为TodayWeather.java文件添加第1~4天的天气信息与对应的Get、Set方法，注意，Get、Set方法与toString方法均由Android Studio自动生成。

TodayWeather.java:

```
1  package com.pku.edu.ChenGuoqiang.bean;
2
3  public class TodayWeather {
4      private String city=null;
5      private String updatetime=null;
6      private String wendu=null;
7      private String shidu=null;
8      private String pm25="-1";
9      private String quality=null;
10     private String fengxiang=null;
11     private String fengli=null;
12     private String date=null;
13     private String high=null;
14     private String low=null;
15     private String type=null;
16
17     //未来第1天的天气
18     private String tomorrow1_date;
19     private String tomorrow1_high;
20     private String tomorrow1_low;
21     private String tomorrow1_type;
22     private String tomorrow1_fengxiang;
23
24     //未来第2天的天气
25     private String tomorrow2_date;
26     private String tomorrow2_high;
27     private String tomorrow2_low;
28     private String tomorrow2_type;
29     private String tomorrow2_fengxiang;
30
31     //未来第3天的天气
32     private String tomorrow3_date;
33     private String tomorrow3_high;
34     private String tomorrow3_low;
35     private String tomorrow3_type;
36     private String tomorrow3_fengxiang;
```

```
37
38 //未来第4天的天气
39 private String tomorrow4_date;
40 private String tomorrow4_high;
41 private String tomorrow4_low;
42 private String tomorrow4_type;
43 private String tomorrow4_fengxiang;
44
45 public void setTomorrow1_date(String tomorrow1_date) {
46     this.tomorrow1_date = tomorrow1_date;
47 }
48
49 public void setTomorrow1_high(String tomorrow1_high) {
50     this.tomorrow1_high = tomorrow1_high;
51 }
52
53 public void setTomorrow1_low(String tomorrow1_low) {
54     this.tomorrow1_low = tomorrow1_low;
55 }
56
57 public void setTomorrow1_type(String tomorrow1_type) {
58     this.tomorrow1_type = tomorrow1_type;
59 }
60
61 public void setTomorrow1_fengxiang(String tomorrow1_fengxiang) {
62     this.tomorrow1_fengxiang = tomorrow1_fengxiang;
63 }
64
65 public void setTomorrow2_date(String tomorrow2_date) {
66     this.tomorrow2_date = tomorrow2_date;
67 }
68
69 public void setTomorrow2_high(String tomorrow2_high) {
70     this.tomorrow2_high = tomorrow2_high;
71 }
72
73 public void setTomorrow2_low(String tomorrow2_low) {
74     this.tomorrow2_low = tomorrow2_low;
75 }
76
77 public void setTomorrow2_type(String tomorrow2_type) {
78     this.tomorrow2_type = tomorrow2_type;
79 }
80
81 public void setTomorrow2_fengxiang(String tomorrow2_fengxiang) {
82     this.tomorrow2_fengxiang = tomorrow2_fengxiang;
83 }
84
85 public void setTomorrow3_date(String tomorrow3_date) {
86     this.tomorrow3_date = tomorrow3_date;
87 }
```

```
88
89     public void setTomorrow3_high(String tomorrow3_high) {
90         this.tomorrow3_high = tomorrow3_high;
91     }
92
93     public void setTomorrow3_low(String tomorrow3_low) {
94         this.tomorrow3_low = tomorrow3_low;
95     }
96
97     public void setTomorrow3_type(String tomorrow3_type) {
98         this.tomorrow3_type = tomorrow3_type;
99     }
100
101     public void setTomorrow3_fengxiang(String tomorrow3_fengxiang) {
102         this.tomorrow3_fengxiang = tomorrow3_fengxiang;
103     }
104
105     public void setTomorrow4_date(String tomorrow4_date) {
106         this.tomorrow4_date = tomorrow4_date;
107     }
108
109     public void setTomorrow4_high(String tomorrow4_high) {
110         this.tomorrow4_high = tomorrow4_high;
111     }
112
113     public void setTomorrow4_low(String tomorrow4_low) {
114         this.tomorrow4_low = tomorrow4_low;
115     }
116
117     public void setTomorrow4_type(String tomorrow4_type) {
118         this.tomorrow4_type = tomorrow4_type;
119     }
120
121     public void setTomorrow4_fengxiang(String tomorrow4_fengxiang) {
122         this.tomorrow4_fengxiang = tomorrow4_fengxiang;
123     }
124
125     public String getTomorrow1_date() {
126         return tomorrow1_date;
127     }
128
129     public String getTomorrow1_high() {
130         return tomorrow1_high;
131     }
132
133     public String getTomorrow1_low() {
134         return tomorrow1_low;
135     }
136
137     public String getTomorrow1_type() {
138         return tomorrow1_type;
```

```
139     }
140
141     public String getTomorrow1_fengxiang() {
142         return tomorrow1_fengxiang;
143     }
144
145     public String getTomorrow2_date() {
146         return tomorrow2_date;
147     }
148
149     public String getTomorrow2_high() {
150         return tomorrow2_high;
151     }
152
153     public String getTomorrow2_low() {
154         return tomorrow2_low;
155     }
156
157     public String getTomorrow2_type() {
158         return tomorrow2_type;
159     }
160
161     public String getTomorrow2_fengxiang() {
162         return tomorrow2_fengxiang;
163     }
164
165     public String getTomorrow3_date() {
166         return tomorrow3_date;
167     }
168
169     public String getTomorrow3_high() {
170         return tomorrow3_high;
171     }
172
173     public String getTomorrow3_low() {
174         return tomorrow3_low;
175     }
176
177     public String getTomorrow3_type() {
178         return tomorrow3_type;
179     }
180
181     public String getTomorrow3_fengxiang() {
182         return tomorrow3_fengxiang;
183     }
184
185     public String getTomorrow4_date() {
186         return tomorrow4_date;
187     }
188
189     public String getTomorrow4_high() {
```

```
190         return tomorrow4_high;
191     }
192
193     public String getTomorrow4_low() {
194         return tomorrow4_low;
195     }
196
197     public String getTomorrow4_type() {
198         return tomorrow4_type;
199     }
200
201     public String getTomorrow4_fengxiang() {
202         return tomorrow4_fengxiang;
203     }
204
205
206
207     @Override
208     public String toString() {
209         return "TodayWeather{" +
210             "city='" + city + '\'' +
211             ", updatetime='" + updatetime + '\'' +
212             ", wendu='" + wendu + '\'' +
213             ", shidu='" + shidu + '\'' +
214             ", pm25='" + pm25 + '\'' +
215             ", quality='" + quality + '\'' +
216             ", fengxiang='" + fengxiang + '\'' +
217             ", fengli='" + fengli + '\'' +
218             ", date='" + date + '\'' +
219             ", high='" + high + '\'' +
220             ", low='" + low + '\'' +
221             ", type='" + type + '\'' +
222             ", tomorrow1_date='" + tomorrow1_date + '\'' +
223             ", tomorrow1_high='" + tomorrow1_high + '\'' +
224             ", tomorrow1_low='" + tomorrow1_low + '\'' +
225             ", tomorrow1_type='" + tomorrow1_type + '\'' +
226             ", tomorrow1_fengxiang='" + tomorrow1_fengxiang + '\'' +
227             ", tomorrow2_date='" + tomorrow2_date + '\'' +
228             ", tomorrow2_high='" + tomorrow2_high + '\'' +
229             ", tomorrow2_low='" + tomorrow2_low + '\'' +
230             ", tomorrow2_type='" + tomorrow2_type + '\'' +
231             ", tomorrow2_fengxiang='" + tomorrow2_fengxiang + '\'' +
232             ", tomorrow3_date='" + tomorrow3_date + '\'' +
233             ", tomorrow3_high='" + tomorrow3_high + '\'' +
234             ", tomorrow3_low='" + tomorrow3_low + '\'' +
235             ", tomorrow3_type='" + tomorrow3_type + '\'' +
236             ", tomorrow3_fengxiang='" + tomorrow3_fengxiang + '\'' +
237             ", tomorrow4_date='" + tomorrow4_date + '\'' +
238             ", tomorrow4_high='" + tomorrow4_high + '\'' +
239             ", tomorrow4_low='" + tomorrow4_low + '\'' +
240             ", tomorrow4_type='" + tomorrow4_type + '\'' +
```



```
241         ", tomorrow4_fengxiang='" + tomorrow4_fengxiang + '\\'' +
242         '}'';
243     }
244
245     //set方法
246     public void setCity(String city) {
247         this.city = city;
248     }
249
250     public void setUpdatetime(String updatetime) {
251         this.updatetime = updatetime;
252     }
253
254     public void setWendu(String wendu) {
255         this.wendu = wendu;
256     }
257
258     public void setShidu(String shidu) {
259         this.shidu = shidu;
260     }
261
262     public void setPm25(String pm25) {
263         this.pm25 = pm25;
264     }
265
266     public void setQuality(String quality) {
267         this.quality = quality;
268     }
269
270     public void setFengxiang(String fengxiang) {
271         this.fengxiang = fengxiang;
272     }
273
274     public void setFengli(String fengli) {
275         this.fengli = fengli;
276     }
277
278     public void setDate(String date) {
279         this.date = date;
280     }
281
282     public void setHigh(String high) {
283         this.high = high;
284     }
285
286     public void setLow(String low) {
287         this.low = low;
288     }
289
290     public void setType(String type) {
291         this.type = type;
```

```
292     }
293
294     //get方法
295     public String getCity() {
296         return city;
297     }
298
299     public String getUpdatetime() {
300         return updatetime;
301     }
302
303     public String getWendu() {
304         return wendu;
305     }
306
307     public String getShidu() {
308         return shidu;
309     }
310
311     public String getPm25() {
312         return pm25;
313     }
314
315     public String getQuality() {
316         return quality;
317     }
318
319     public String getFengxiang() {
320         return fengxiang;
321     }
322
323     public String getFengli() {
324         return fengli;
325     }
326
327     public String getDate() {
328         return date;
329     }
330
331     public String getHigh() {
332         return high;
333     }
334
335     public String getLow() {
336         return low;
337     }
338
339     public String getType() {
340         return type;
341     }
342
```

```
343 }
344
```

## 4.新建page1.xml、page2.xml布局文件

page1.xml、page2.xml文件时ViewPager控件内第一页与第二页的内容信息，由于查询天气只返回了四天的天气信息，所以每一个page.xml文件中包含两天的天气。而由于page1.xml与page2.xml文件布局相似，仅仅是id命名不同，所以以下仅展示page1.xml的文件,使用了两个RelativeLayout控件分别代表两天的天气。

page1.xml:

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      android:layout_width="match_parent"
4      android:layout_height="match_parent"
5      android:orientation="vertical"
6      >
7
8      <RelativeLayout
9          android:layout_width="wrap_content"
10         android:layout_height="wrap_content"
11         android:id="@+id/tomorrow1"
12         android:layout_alignParentLeft="true"
13         android:layout_centerInParent="true"
14         android:layout_marginLeft="40dip">
15
16         <ImageView
17             android:id="@+id/weather_img1"
18             android:layout_width="wrap_content"
19             android:layout_height="wrap_content"
20             android:layout_alignParentLeft="true"
21             android:layout_below="@+id/climate1"
22             android:src="@drawable/biz_plugin_weather_qing" />
23
24         <TextView
25             android:layout_width="wrap_content"
26             android:layout_height="30dip"
27             android:singleLine="true"
28             android:id="@+id/date1"
29             android:text="11月11日"
30             android:textColor="@android:color/white"
31             android:textSize="25sp"/>
32
33         <TextView
34             android:id="@+id/temperature1"
35             android:layout_width="wrap_content"
36             android:layout_height="wrap_content"
37             android:layout_below="@id/date1"
38             android:layout_marginLeft="5dip"
39             android:singleLine="true"
```

```
40         android:text="-2°C~7°C"
41         android:textColor="@android:color/white"
42         android:textSize="30.0sp" />
43
44     <TextView
45         android:id="@+id/fengxiang1"
46         android:layout_width="wrap_content"
47         android:layout_height="wrap_content"
48         android:layout_marginLeft="5dip"
49         android:singleLine="true"
50         android:layout_below="@id/temperature1"
51         android:text="东南风"
52         android:textColor="@android:color/white"
53         android:textSize="25sp" />
54
55     <TextView
56         android:id="@+id/climate1"
57         android:layout_width="wrap_content"
58         android:layout_height="wrap_content"
59         android:layout_below="@id/fengxiang1"
60         android:layout_marginLeft="5dip"
61         android:singleLine="true"
62         android:text="多云转晴"
63         android:textColor="@android:color/white"
64         android:textSize="30.0sp" />
65
66 </RelativeLayout>
67
68 <RelativeLayout
69     android:layout_width="wrap_content"
70     android:layout_height="wrap_content"
71     android:id="@+id/tomorrow2"
72     android:layout_alignParentRight="true"
73     android:layout_centerInParent="true"
74     android:layout_marginRight="40dip">
75
76     <ImageView
77         android:id="@+id/weather_img2"
78         android:layout_width="wrap_content"
79         android:layout_height="wrap_content"
80         android:layout_alignParentLeft="true"
81         android:layout_below="@+id/climate2"
82         android:src="@drawable/biz_plugin_weather_qing" />
83
84     <TextView
85         android:layout_width="wrap_content"
86         android:layout_height="30dip"
87         android:singleLine="true"
88         android:id="@+id/date2"
89         android:text="11月11日"
90         android:textColor="@android:color/white"
```

```

91         android:textSize="25sp"/>
92
93     <TextView
94         android:id="@+id/temperature2"
95         android:layout_width="wrap_content"
96         android:layout_height="wrap_content"
97         android:layout_below="@id/date2"
98         android:layout_marginLeft="5dip"
99         android:singleLine="true"
100        android:text="-2°C~7°C"
101        android:textColor="@android:color/white"
102        android:textSize="30.0sp" />
103
104    <TextView
105        android:id="@+id/fengxiang2"
106        android:layout_width="wrap_content"
107        android:layout_height="wrap_content"
108        android:layout_marginLeft="5dip"
109        android:singleLine="true"
110        android:layout_below="@id/temperature2"
111        android:text="东南风"
112        android:textColor="@android:color/white"
113        android:textSize="25sp" />
114
115    <TextView
116        android:id="@+id/climate2"
117        android:layout_width="wrap_content"
118        android:layout_height="wrap_content"
119        android:layout_below="@id/fengxiang2"
120        android:layout_marginLeft="5dip"
121        android:singleLine="true"
122        android:text="多云转晴"
123        android:textColor="@android:color/white"
124        android:textSize="30.0sp" />
125
126    </RelativeLayout>
127
128 </RelativeLayout>
129
130

```

## 5.修改MainActivity.java文件

修改导入的包：

```

8      import android.os.Message;
9      import android.support.annotation.Nullable;
10     import android.support.v4.view.ViewPager;
11     import android.support.v4.widget.SwipeRefreshLayout;
12     import android.util.Log;
13     import android.view.LayoutInflater;
14     import android.view.View;
15     import android.widget.ImageView;
16     import android.widget.TextView;
17     import android.widget.Toast;
18
19
20     import com.pku.edu.ChenGuoqiang.bean.TodayWeather;
21     import com.pku.edu.ChenGuoqiang.util.NetUtil;
22     import com.pku.edu.ChenGuoqiang.app.MyApplication;
23     import com.pku.edu.ChenGuoqiang.util.pageAdapter;

```

图5 导入所需的包与自定义的适配器

修改自定义的变量：

```

39     public class MainActivity extends Activity implements View.OnClickListener, ViewPager.OnPageChangeListener {
40
41         private static final int UPDATE_TODAY_WEATHER = 1;
42
43         private ImageView mUpdateBtn;
44
45         private ImageView mCitySelect;
46
47         private TextView cityTv, timeTv, humidityTv, weekTv, pmDataTv, pmQualityTv,
48             temperatureTv, climateTv, windTv, city_name_Tv;
49
50         private TextView date1, temperature1, fengxiang1, climate1,
51             date2, temperature2, fengxiang2, climate2,
52             date3, temperature3, fengxiang3, climate3,
53             date4, temperature4, fengxiang4, climate4;
54
55         private ImageView weatherImg, pmImg;
56
57         private ImageView weatherImg1, weatherImg2, weatherImg3, weatherImg4;
58         private ImageView page1Img, page2Img;
59
60         private SwipeRefreshLayout Refresh;
61
62         private String updatedCityCode;
63
64         private ViewPager viewPager;
65         private List<View> views;
66         private pageAdapter pageadapter;
67

```

图6 定义ViewPager所需要的变量

修改void initView()函数，将上面定义的变量赋值。

//-----注意-----

/\*

1.由于上述定义的变量是在另外一个XML文件中，所以需要

View page1 = LayoutInflater.from(this).inflate(R.layout.page1,null);

View page2 = LayoutInflater.from(this).inflate(R.layout.page2,null);

语句连接到page1.xml与page2.xml，再用page1.findViewById(R.id.date1)对定义的变量赋值

2.复制之后，在更新函数updateTodayWeather中，用

pageadapter.notifyDataSetChanged()方法更新所需要改变的ViewPager中的内容

3.在最后需要设置适配器，并且，使用viewPager.setOnPageChangeListener(this)方法设置监听器，为接下来滑动页面改变小圆点做监听操作。

~~\*/~~  
~~//-----注意-----~~  
~~-----~~

void initView()函数:

```
1 //初始化界面
2 void initView() {
3     updatedCityCode = "101010100";
4     city_name_Tv = (TextView) findViewById(R.id.title_city_name);
5     cityTv = (TextView) findViewById(R.id.city);
6     timeTv = (TextView) findViewById(R.id.time);
7     humidityTv = (TextView) findViewById(R.id.humidity);
8     weekTv = (TextView) findViewById(R.id.week_today);
9     pmDataTv = (TextView) findViewById(R.id.pm_data);
10    pmQualityTv = (TextView) findViewById(R.id.pm2_5_quality);
11    pmImg = (ImageView) findViewById(R.id.pm2_5_img);
12    temperatureTv = (TextView) findViewById(R.id.temperature);
13    climateTv = (TextView) findViewById(R.id.climate);
14    windTv = (TextView) findViewById(R.id.wind);
15    weatherImg = (ImageView) findViewById(R.id.weather_img);
16
17    //-----设置ViewPager页面-----
18    viewPager = (ViewPager) findViewById(R.id.pages);
19    View page1 = LayoutInflater.from(this).inflate(R.layout.page1,null);
20    View page2 = LayoutInflater.from(this).inflate(R.layout.page2,null);
21    views = new ArrayList<>();
22    //findViewById, 注意要用R.id.XX
23    date1 = (TextView) page1.findViewById(R.id.date1);
24    temperature1 = (TextView) page1.findViewById(R.id.temperature1);
25    fengxiang1 = (TextView) page1.findViewById(R.id.fengxiang1);
26    climate1 = (TextView) page1.findViewById(R.id.climate1);
27    weatherImg1 = (ImageView) page1.findViewById(R.id.weather_img1);
28    date2 = (TextView) page1.findViewById(R.id.date2);
29    temperature2 = (TextView) page1.findViewById(R.id.temperature2);
30    fengxiang2 = (TextView) page1.findViewById(R.id.fengxiang2);
31    climate2 = (TextView) page1.findViewById(R.id.climate2);
32    weatherImg2 = (ImageView) page1.findViewById(R.id.weather_img2);
33    date3 = (TextView) page2.findViewById(R.id.date1);
34    temperature3 = (TextView) page2.findViewById(R.id.temperature1);
35    fengxiang3 = (TextView) page2.findViewById(R.id.fengxiang1);
36    climate3 = (TextView) page2.findViewById(R.id.climate1);
37    weatherImg3 = (ImageView) page2.findViewById(R.id.weather_img1);
38    date4 = (TextView) page2.findViewById(R.id.date2);
39    temperature4 = (TextView) page2.findViewById(R.id.temperature2);
40    fengxiang4 = (TextView) page2.findViewById(R.id.fengxiang2);
41    climate4 = (TextView) page2.findViewById(R.id.climate2);
42    weatherImg4 = (ImageView) page2.findViewById(R.id.weather_img2);
43    //设置N/A
44    date1.setText("N/A");
45    temperature1.setText("N/A");
```

```

46     fengxiang1.setText("N/A");
47     climate1.setText("N/A");
48     date2.setText("N/A");
49     temperature2.setText("N/A");
50     fengxiang2.setText("N/A");
51     climate2.setText("N/A");
52     date3.setText("N/A");
53     temperature3.setText("N/A");
54     fengxiang3.setText("N/A");
55     climate3.setText("N/A");
56     date4.setText("N/A");
57     temperature4.setText("N/A");
58     fengxiang4.setText("N/A");
59     climate4.setText("N/A");
60     //设置适配器
61     views.add(page1);
62     views.add(page2);
63     pageadapter = new pageAdapter(this,views);
64     viewPager.setAdapter(pageadapter);
65     page1Img = findViewById(R.id.page1Img);
66     page2Img = findViewById(R.id.page2Img);
67     viewPager.setOnPageChangeListener(this);
68     //-----设置ViewPager页面-----
69
70     city_name_Tv.setText("N/A");
71     cityTv.setText("N/A");
72     timeTv.setText("N/A");
73     humidityTv.setText("N/A");
74     pmDataTv.setText("N/A");
75     pmQualityTv.setText("N/A");
76     weekTv.setText("N/A");
77     temperatureTv.setText("N/A");
78     climateTv.setText("N/A");
79     windTv.setText("N/A");
80 }
81

```

修改updateTodayWeather函数，实现更新ViewPager内的文字内容与图片，代码中有很多重复的if...else是因为总共有四天的天气需要更新，特别是图片部分。具体的代码为：

void updateTodayWeather(Todaweather todaweather)函数：

```

1 //根据得到的数据更新界面
2 void updateTodayWeather(TodayWeather todayWeather) {
3     int pmIntdata = Integer.parseInt(todayWeather.getPm25());
4     city_name_Tv.setText(todayWeather.getCity() + "天气");
5     MyApplication.cityname_global = todayWeather.getCity();
6     cityTv.setText(todayWeather.getCity());
7     timeTv.setText(todayWeather.getUpdatetime() + "发布");
8     humidityTv.setText("湿度:" + todayWeather.getShidu());
9     pmDataTv.setText(todayWeather.getPm25());

```



```

10     pmQualityTv.setText(todayWeather.getQuality());
11     weekTv.setText(todayWeather.getDate());
12     temperatureTv.setText(todayWeather.getHigh() + "~" +
todayWeather.getLow());
13     climateTv.setText(todayWeather.getType());
14     windTv.setText("风力:" + todayWeather.getFengli());
15
16     //-----更新ViewPager-----
17     date1.setText(todayWeather.getTomorrow1_date());
18
19     temperature1.setText(todayWeather.getTomorrow1_high()+"~"+todayWeather.get
Tomorrow1_low());
20     fengxiang1.setText(todayWeather.getTomorrow1_fengxiang());
21     climate1.setText(todayWeather.getTomorrow1_type());
22     date2.setText(todayWeather.getTomorrow2_date());
23
24     temperature2.setText(todayWeather.getTomorrow2_high()+"~"+todayWeather.get
Tomorrow2_low());
25     fengxiang2.setText(todayWeather.getTomorrow2_fengxiang());
26     climate2.setText(todayWeather.getTomorrow2_type());
27     date3.setText(todayWeather.getTomorrow3_date());
28
29     temperature3.setText(todayWeather.getTomorrow3_high()+"~"+todayWeather.get
Tomorrow3_low());
30     fengxiang3.setText(todayWeather.getTomorrow3_fengxiang());
31     climate3.setText(todayWeather.getTomorrow3_type());
32     date4.setText(todayWeather.getTomorrow4_date());
33
34     temperature4.setText(todayWeather.getTomorrow4_high()+"~"+todayWeather.get
Tomorrow4_low());
35     fengxiang4.setText(todayWeather.getTomorrow4_fengxiang());
36     climate4.setText(todayWeather.getTomorrow4_type());
37     pageadapter.notifyDataSetChanged();
38     //-----更新ViewPager-----
39
40     //*****更新ViewPager图片*****
41     if
42     (todayWeather.getTomorrow1_type().equals("晴"))weatherImg1.setImageResourc
e(R.drawable.biz_plugin_weather_qing);
43     if (todayWeather.getTomorrow1_type().equals("暴
雪"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_baoxue);
44     if (todayWeather.getTomorrow1_type().equals("暴
雨"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_baoyu);
45     if (todayWeather.getTomorrow1_type().equals("大暴
雨"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_dabaoyu);
46     if (todayWeather.getTomorrow1_type().equals("大
雪"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_daxue);
47     if (todayWeather.getTomorrow1_type().equals("大
雨"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_dayu);

```

```
43     if (todayWeather.getTomorrow1_type().equals("多
云"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_duoyun);
44     if (todayWeather.getTomorrow1_type().equals("雷阵
雨"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_leizhenyu)
;
45     if (todayWeather.getTomorrow1_type().equals("雷阵雨冰
雹"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_leizhenyub
ingbao);
46     if (todayWeather.getTomorrow1_type().equals("沙尘
暴"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_shachenbao
);
47     if (todayWeather.getTomorrow1_type().equals("特大暴
雨"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_tedabaoyu)
;
48     if
(todayWeather.getTomorrow1_type().equals("雾"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_wu);
49     if (todayWeather.getTomorrow1_type().equals("小
雪"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_xiaoxue);
50     if (todayWeather.getTomorrow1_type().equals("小
雨"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_xiaoyu);
51     if
(todayWeather.getTomorrow1_type().equals("阴"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_yin);
52     if (todayWeather.getTomorrow1_type().equals("雨夹
雪"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_yujiaxue);
53     if (todayWeather.getTomorrow1_type().equals("阵
雪"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_zhenxue);
54     if (todayWeather.getTomorrow1_type().equals("阵
雨"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_zhenyu);
55     if (todayWeather.getTomorrow1_type().equals("中
雪"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_zhongxue);
56     if (todayWeather.getTomorrow1_type().equals("中
雨"))weatherImg1.setImageResource(R.drawable.biz_plugin_weather_zhongyu);
57
58     if
(todayWeather.getTomorrow2_type().equals("晴"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_qing);
59     if (todayWeather.getTomorrow2_type().equals("暴
雪"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_baoxue);
60     if (todayWeather.getTomorrow2_type().equals("暴
雨"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_baoyu);
61     if (todayWeather.getTomorrow2_type().equals("大暴
雨"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_dabaoyu);
62     if (todayWeather.getTomorrow2_type().equals("大
雪"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_daxue);
63     if (todayWeather.getTomorrow2_type().equals("大
雨"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_dayu);
64     if (todayWeather.getTomorrow2_type().equals("多
云"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_duoyun);
```

```
65         if (todayWeather.getTomorrow2_type().equals("雷阵
雨"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_leizhenyu)
;
66         if (todayWeather.getTomorrow2_type().equals("雷阵雨冰
雹"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_leizhenyub
ingbao);
67         if (todayWeather.getTomorrow2_type().equals("沙尘
暴"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_shachenbao
);
68         if (todayWeather.getTomorrow2_type().equals("特大暴
雨"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_tedabaoyu)
;
69         if
(todayWeather.getTomorrow2_type().equals("雾"))weatherImg2.setImageResourc
e(R.drawable.biz_plugin_weather_wu);
70         if (todayWeather.getTomorrow2_type().equals("小
雪"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_xiaoxue);
71         if (todayWeather.getTomorrow2_type().equals("小
雨"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_xiaoyu);
72         if
(todayWeather.getTomorrow2_type().equals("阴"))weatherImg2.setImageResourc
e(R.drawable.biz_plugin_weather_yin);
73         if (todayWeather.getTomorrow2_type().equals("雨夹
雪"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_yujiaxue);
74         if (todayWeather.getTomorrow2_type().equals("阵
雪"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_zhenxue);
75         if (todayWeather.getTomorrow2_type().equals("阵
雨"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_zhenyu);
76         if (todayWeather.getTomorrow2_type().equals("中
雪"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_zhongxue);
77         if (todayWeather.getTomorrow2_type().equals("中
雨"))weatherImg2.setImageResource(R.drawable.biz_plugin_weather_zhongyu);
78
79         if
(todayWeather.getTomorrow3_type().equals("晴"))weatherImg3.setImageResource
(R.drawable.biz_plugin_weather_qing);
80         if (todayWeather.getTomorrow3_type().equals("暴
雪"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_baoxue);
81         if (todayWeather.getTomorrow3_type().equals("暴
雨"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_baoyu);
82         if (todayWeather.getTomorrow3_type().equals("大暴
雨"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_dabaoyu);
83         if (todayWeather.getTomorrow3_type().equals("大
雪"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_daxue);
84         if (todayWeather.getTomorrow3_type().equals("大
雨"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_dayu);
85         if (todayWeather.getTomorrow3_type().equals("多
云"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_duoyun);
86         if (todayWeather.getTomorrow3_type().equals("雷阵
雨"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_leizhenyu)
```

```
;
87     if (todayWeather.getTomorrow3_type().equals("雷阵雨冰
雹"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_leizhenyub
ingbao);
88     if (todayWeather.getTomorrow3_type().equals("沙尘
暴"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_shachenbao
);
89     if (todayWeather.getTomorrow3_type().equals("特大暴
雨"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_tedabaoyu)
;
90     if
(todayWeather.getTomorrow3_type().equals("雾"))weatherImg3.setImageResourc
e(R.drawable.biz_plugin_weather_wu);
91     if (todayWeather.getTomorrow3_type().equals("小
雪"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_xiaoxue);
92     if (todayWeather.getTomorrow3_type().equals("小
雨"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_xiaoyu);
93     if
(todayWeather.getTomorrow3_type().equals("阴"))weatherImg3.setImageResourc
e(R.drawable.biz_plugin_weather_yin);
94     if (todayWeather.getTomorrow3_type().equals("雨夹
雪"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_yujiaxue);
95     if (todayWeather.getTomorrow3_type().equals("阵
雪"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_zhenxue);
96     if (todayWeather.getTomorrow3_type().equals("阵
雨"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_zhenyu);
97     if (todayWeather.getTomorrow3_type().equals("中
雪"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_zhongxue);
98     if (todayWeather.getTomorrow3_type().equals("中
雨"))weatherImg3.setImageResource(R.drawable.biz_plugin_weather_zhongyu);
99
100    if
(todayWeather.getTomorrow4_type().equals("晴"))weatherImg4.setImageResourc
e(R.drawable.biz_plugin_weather_qing);
101    if (todayWeather.getTomorrow4_type().equals("暴
雪"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_baoxue);
102    if (todayWeather.getTomorrow4_type().equals("暴
雨"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_baoyu);
103    if (todayWeather.getTomorrow4_type().equals("大暴
雨"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_dabaoyu);
104    if (todayWeather.getTomorrow4_type().equals("大
雪"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_daxue);
105    if (todayWeather.getTomorrow4_type().equals("大
雨"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_dayu);
106    if (todayWeather.getTomorrow4_type().equals("多
云"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_duoyun);
107    if (todayWeather.getTomorrow4_type().equals("雷阵
雨"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_leizhenyu)
;
;
```

```
108         if (todayWeather.getTomorrow4_type().equals("雷阵雨冰
        雹"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_leizhenyub
        ingbao);
109         if (todayWeather.getTomorrow4_type().equals("沙尘
        暴"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_shachenbao
        );
110         if (todayWeather.getTomorrow4_type().equals("特大暴
        雨"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_tedabaoyu)
        ;
111         if
        (todayWeather.getTomorrow4_type().equals("雾"))weatherImg4.setImageResourc
        e(R.drawable.biz_plugin_weather_wu);
112         if (todayWeather.getTomorrow4_type().equals("小
        雪"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_xiaoxue);
113         if (todayWeather.getTomorrow4_type().equals("小
        雨"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_xiaoyu);
114         if
        (todayWeather.getTomorrow4_type().equals("阴"))weatherImg4.setImageResourc
        e(R.drawable.biz_plugin_weather_yin);
115         if (todayWeather.getTomorrow4_type().equals("雨夹
        雪"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_yujiaxue);
116         if (todayWeather.getTomorrow4_type().equals("阵
        雪"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_zhenxue);
117         if (todayWeather.getTomorrow4_type().equals("阵
        雨"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_zhenyu);
118         if (todayWeather.getTomorrow4_type().equals("中
        雪"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_zhongxue);
119         if (todayWeather.getTomorrow4_type().equals("中
        雨"))weatherImg4.setImageResource(R.drawable.biz_plugin_weather_zhongyu);
120
121
122         //*****更新ViewPager图片*****
123
124         //使用setImageResource方法更新Pm2.5图片与天气图片
125         if
        (pmIntdata<=50)pmImg.setImageResource(R.drawable.biz_plugin_weather_0_50);
126         else if
        (pmIntdata<=100)pmImg.setImageResource(R.drawable.biz_plugin_weather_51_10
        0);
127         else if
        (pmIntdata<=150)pmImg.setImageResource(R.drawable.biz_plugin_weather_101_1
        50);
128         else if
        (pmIntdata<=200)pmImg.setImageResource(R.drawable.biz_plugin_weather_151_2
        00);
129         else if
        (pmIntdata<=300)pmImg.setImageResource(R.drawable.biz_plugin_weather_201_3
        00);
130         else
        pmImg.setImageResource(R.drawable.biz_plugin_weather_greater_300);
```

```
131     //更新天气图片
132     if
    (todayWeather.getType().equals("晴"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_qing);
133     if (todayWeather.getType().equals("暴
    雪"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_baoxue);
134     if (todayWeather.getType().equals("暴
    雨"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_baoyu);
135     if (todayWeather.getType().equals("大暴
    雨"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_dabaoyu);
136     if (todayWeather.getType().equals("大
    雪"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_daxue);
137     if (todayWeather.getType().equals("大
    雨"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_dayu);
138     if (todayWeather.getType().equals("多
    云"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_duoyun);
139     if (todayWeather.getType().equals("雷阵
    雨"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_leizhenyu);
140     if (todayWeather.getType().equals("雷阵雨冰
    雹"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_leizhenyubi
    ngbao);
141     if (todayWeather.getType().equals("沙尘
    暴"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_shachenbao)
    ;
142     if (todayWeather.getType().equals("特大暴
    雨"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_tedabaoyu);
143     if
    (todayWeather.getType().equals("雾"))weatherImg.setImageResource(R.drawable
    e.biz_plugin_weather_wu);
144     if (todayWeather.getType().equals("小
    雪"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_xiaoxue);
145     if (todayWeather.getType().equals("小
    雨"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_xiaoyu);
146     if
    (todayWeather.getType().equals("阴"))weatherImg.setImageResource(R.drawable
    e.biz_plugin_weather_yin);
147     if (todayWeather.getType().equals("雨夹
    雪"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_yujiaxue);
148     if (todayWeather.getType().equals("阵
    雪"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_zhenxue);
149     if (todayWeather.getType().equals("阵
    雨"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_zhenyu);
150     if (todayWeather.getType().equals("中
    雪"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_zhongxue);
151     if (todayWeather.getType().equals("中
    雨"))weatherImg.setImageResource(R.drawable.biz_plugin_weather_zhongyu);
152
153     Toast.makeText(MainActivity.this, "更新成功!",
    Toast.LENGTH_SHORT).show();
154 }
```

同时，需要更新parseXML函数，因为需要解析未来第1–4天的XML，所以代码比较长，但是理解起来比较简单。

private TodayWeather parseXML(String xmldata)函数：

```

1 //解析HTML
2 private TodayWeather parseXML(String xmldata) {
3     TodayWeather todayWeather = null;
4     int fengxiangCount = 0;
5     int fengliCount = 0;
6     int dateCount = 0;
7     int highCount = 0;
8     int lowCount = 0;
9     int typeCount = 0;
10    try {
11        XmlPullParserFactory fac = XmlPullParserFactory.newInstance();
12        XmlPullParser xmlPullParser = fac.newPullParser();
13        xmlPullParser.setInput(new StringReader(xmldata));
14        int eventType = xmlPullParser.getEventType();
15        Log.d("myWeather", "parseXML");
16        while (eventType != XmlPullParser.END_DOCUMENT) {
17            switch (eventType) {
18                // 判断当前事件是否为文档开始事件
19                case XmlPullParser.START_DOCUMENT:
20                    break;
21                // 判断当前事件是否为标签元素开始事件
22                case XmlPullParser.START_TAG:
23                    if (xmlPullParser.getName().equals("resp")) {
24                        todayWeather = new TodayWeather();
25                    }
26                    if (todayWeather != null) {
27                        if (xmlPullParser.getName().equals("city")) {
28                            eventType = xmlPullParser.next();
29                            todayWeather.setCity(xmlPullParser.getText());
30                        } else if
31                            (xmlPullParser.getName().equals("updatetime")) {
32                            eventType = xmlPullParser.next();
33
34                            todayWeather.setUptime(xmlPullParser.getText());
35                        } else if
36                            (xmlPullParser.getName().equals("shidu")) {
37                            eventType = xmlPullParser.next();
38
39                            todayWeather.setShidu(xmlPullParser.getText());
40                        } else if
41                            (xmlPullParser.getName().equals("wendu")) {
42                            eventType = xmlPullParser.next();
43
44                            todayWeather.setWendu(xmlPullParser.getText());
45                        }
46                    }
47                }
48            }
49        }
50    } catch (Exception e) {
51        e.printStackTrace();
52    }
53    return todayWeather;
54 }

```



```

39         } else if (xmlPullParser.getName().equals("pm25"))
40         {
41             eventType = xmlPullParser.next();
42             todayWeather.setPm25(xmlPullParser.getText());
43         } else if
44         (xmlPullParser.getName().equals("quality")) {
45             eventType = xmlPullParser.next();
46
47             todayWeather.setQuality(xmlPullParser.getText());
48         } else if
49         (xmlPullParser.getName().equals("fengxiang") && fengxiangCount == 0) {
50             eventType = xmlPullParser.next();
51
52             todayWeather.setFengxiang(xmlPullParser.getText());
53             fengxiangCount++;
54         } else if
55         (xmlPullParser.getName().equals("fengli") && fengliCount == 0) {
56             eventType = xmlPullParser.next();
57
58             todayWeather.setFengli(xmlPullParser.getText());
59             fengliCount++;
60         } else if (xmlPullParser.getName().equals("date")
61         && dateCount == 0) {
62             eventType = xmlPullParser.next();
63             todayWeather.setDate(xmlPullParser.getText());
64             dateCount++;
65         } else if (xmlPullParser.getName().equals("high")
66         && highCount == 0) {
67             eventType = xmlPullParser.next();
68
69             todayWeather.setHigh(xmlPullParser.getText().substring(2).trim());
70             highCount++;
71         } else if (xmlPullParser.getName().equals("low")
72         && lowCount == 0) {
73             eventType = xmlPullParser.next();
74
75             todayWeather.setLow(xmlPullParser.getText().substring(2).trim());
76             lowCount++;
77         } else if (xmlPullParser.getName().equals("type")
78         && typeCount == 0) {
79             eventType = xmlPullParser.next();
80             todayWeather.setType(xmlPullParser.getText());
81             typeCount++;
82         }
83
84         //-----以下为更新解析第1-4天气的代码-----
85         else if (xmlPullParser.getName().equals("date") &&
86         dateCount == 1) {
87             eventType = xmlPullParser.next();

```



```

74 todayWeather.setTomorrow1_date(xmlPullParser.getText());
75         dateCount++;
76     } else if (xmlPullParser.getName().equals("high")
77     && highCount == 1) {
78         eventType = xmlPullParser.next();
79
80 todayWeather.setTomorrow1_high(xmlPullParser.getText().substring(2).trim()
81 );
82         highCount++;
83     } else if (xmlPullParser.getName().equals("low")
84     && lowCount == 1) {
85         eventType = xmlPullParser.next();
86
87 todayWeather.setTomorrow1_low(xmlPullParser.getText().substring(2).trim()
88 );
89         lowCount++;
90     } else if (xmlPullParser.getName().equals("type")
91     && typeCount == 1) {
92         eventType = xmlPullParser.next();
93
94 todayWeather.setTomorrow1_type(xmlPullParser.getText());
95         typeCount++;
96     }else if
97 (xmlPullParser.getName().equals("fengxiang") && fengxiangCount == 1) {
98         eventType = xmlPullParser.next();
99
100 todayWeather.setTomorrow1_fengxiang(xmlPullParser.getText());
101         fengxiangCount++;
102     } else if (xmlPullParser.getName().equals("date")
103     && dateCount == 2) {
104         eventType = xmlPullParser.next();
105
106 todayWeather.setTomorrow2_date(xmlPullParser.getText());
107         dateCount++;
108     } else if (xmlPullParser.getName().equals("high")
109     && highCount == 2) {
110         eventType = xmlPullParser.next();
111
112 todayWeather.setTomorrow2_high(xmlPullParser.getText().substring(2).trim()
113 );
114         highCount++;
115     } else if (xmlPullParser.getName().equals("low")
116     && lowCount == 2) {
117         eventType = xmlPullParser.next();
118
119 todayWeather.setTomorrow2_low(xmlPullParser.getText().substring(2).trim()
120 );
121         lowCount++;

```

```
104         } else if (xmlPullParser.getName().equals("type")
105         && typeCount == 2) {
106             eventType = xmlPullParser.next();
107             todayWeather.setTomorrow2_type(xmlPullParser.getText());
108             typeCount++;
109         }else if
110         (xmlPullParser.getName().equals("fengxiang") && fengxiangCount == 2) {
111             eventType = xmlPullParser.next();
112             todayWeather.setTomorrow2_fengxiang(xmlPullParser.getText());
113             fengxiangCount++;
114         } else if (xmlPullParser.getName().equals("date")
115         && dateCount == 3) {
116             eventType = xmlPullParser.next();
117             todayWeather.setTomorrow3_date(xmlPullParser.getText());
118             dateCount++;
119         } else if (xmlPullParser.getName().equals("high")
120         && highCount == 3) {
121             eventType = xmlPullParser.next();
122             todayWeather.setTomorrow3_high(xmlPullParser.getText().substring(2).trim()
123             );
124             highCount++;
125         } else if (xmlPullParser.getName().equals("low")
126         && lowCount == 3) {
127             eventType = xmlPullParser.next();
128             todayWeather.setTomorrow3_low(xmlPullParser.getText().substring(2).trim())
129             ;
130             lowCount++;
131         } else if (xmlPullParser.getName().equals("type")
132         && typeCount == 3) {
133             eventType = xmlPullParser.next();
134             todayWeather.setTomorrow3_type(xmlPullParser.getText());
135             typeCount++;
136         }else if
137         (xmlPullParser.getName().equals("fengxiang") && fengxiangCount == 3) {
138             eventType = xmlPullParser.next();
139             todayWeather.setTomorrow3_fengxiang(xmlPullParser.getText());
140             fengxiangCount++;
141         } else if (xmlPullParser.getName().equals("date")
142         && dateCount == 4) {
143             eventType = xmlPullParser.next();
144             todayWeather.setTomorrow4_date(xmlPullParser.getText());
145             dateCount++;
```

```

136         } else if (xmlPullParser.getName().equals("high")
137         && highCount == 4) {
138             eventType = xmlPullParser.next();
139
140             todayWeather.setTomorrow4_high(xmlPullParser.getText().substring(2).trim()
141             );
142             highCount++;
143         } else if (xmlPullParser.getName().equals("low")
144         && lowCount == 4) {
145             eventType = xmlPullParser.next();
146
147             todayWeather.setTomorrow4_low(xmlPullParser.getText().substring(2).trim())
148             ;
149             lowCount++;
150         } else if (xmlPullParser.getName().equals("type")
151         && typeCount == 4) {
152             eventType = xmlPullParser.next();
153
154             todayWeather.setTomorrow4_type(xmlPullParser.getText());
155             typeCount++;
156         }else if
157         (xmlPullParser.getName().equals("fengxiang") && fengxiangCount == 4) {
158             eventType = xmlPullParser.next();
159
160             todayWeather.setTomorrow4_fengxiang(xmlPullParser.getText());
161             fengxiangCount++;
162         }
163         //-----以上为更新解析第1-4天气的代
164         码-----
165     }
166
167     break;
168
169     // 判断当前事件是否为标签元素结束事件
170     case XmlPullParser.END_TAG:
171         break;
172     }
173     // 进入下一个元素并触发相应事件
174     eventType = xmlPullParser.next();
175 }
176 } catch (XmlPullParserException e) {
177     e.printStackTrace();
178 } catch (IOException e) {
179     e.printStackTrace();
180 }
181 return todayWeather;
182 }
183

```

最后，还需要创建更新底部导航小圆点，实现根据ViewPager的页面不同而更改小圆点的显示状态，重写接口定义的函数：

```
1  @Override
2  public void onPageScrolled(int i, float v, int i1) {
3
4  }
5
6  @Override
7  public void onPageSelected(int i) {
8      if (i==0){
9          //如果是第一页，设置第一个小圆点为红，第二个为灰色
10         page1Img.setImageResource(R.drawable.point_enable);
11         page2Img.setImageResource(R.drawable.point_disable);
12     }else {
13         //如果是第二页，设置第一个小圆点为灰，第二个为红色
14         page1Img.setImageResource(R.drawable.point_disable);
15         page2Img.setImageResource(R.drawable.point_enable);
16     }
17 }
18
19 @Override
20 public void onPageScrollStateChanged(int i) {
21
22 }
23
```

## 四、小圆点的制作方法

由于没有自带的小圆点，所以为了制作底部的小圆点图片，我也尝试过很多方法，因为很多现有的软件不支持圆形裁剪图片，所以将经验分享如下：

第一步，打开windows系统自带的画图软件，在其中填充红色：

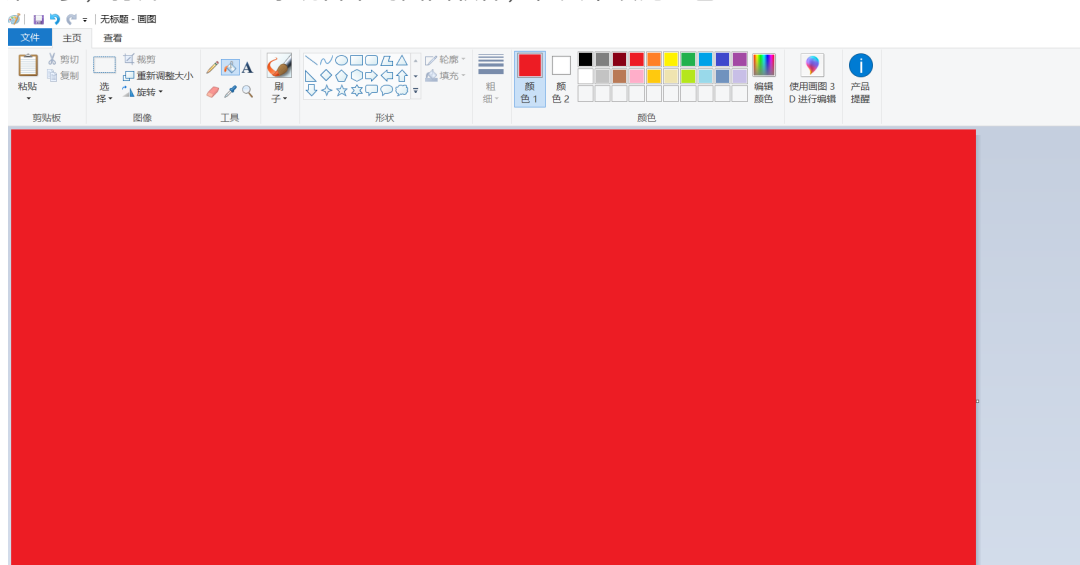


图7 系统自带的画图软件

第二步，新建一个PPT文件，打开并将刚才的图片粘贴入PPT，找到右上角的裁剪按钮：

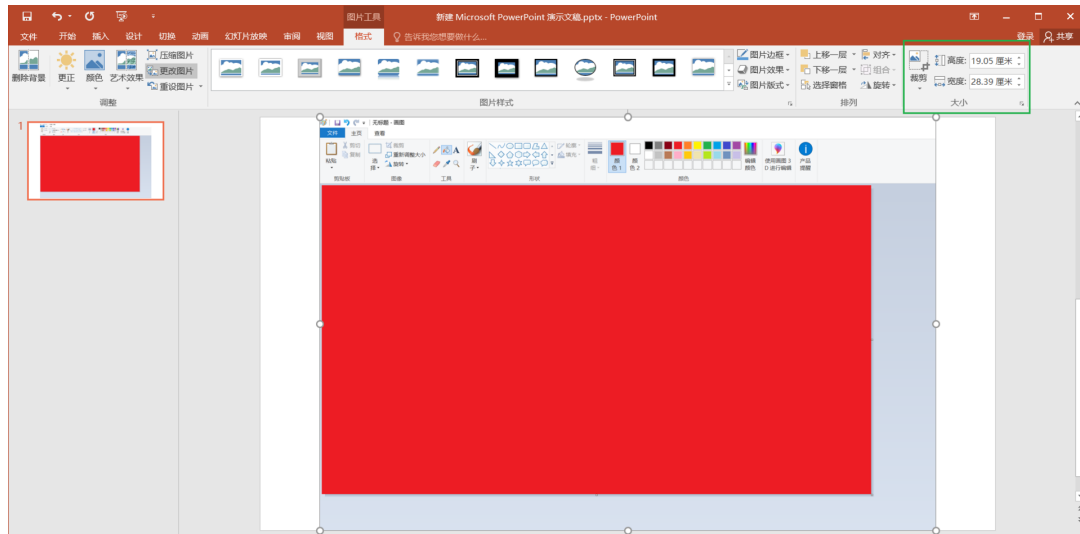


图8 PPT内的裁切按钮

第三步，在下拉选项中找到裁剪形状为椭圆，并调整纵横比为1：1，点击裁剪之后再另存即可

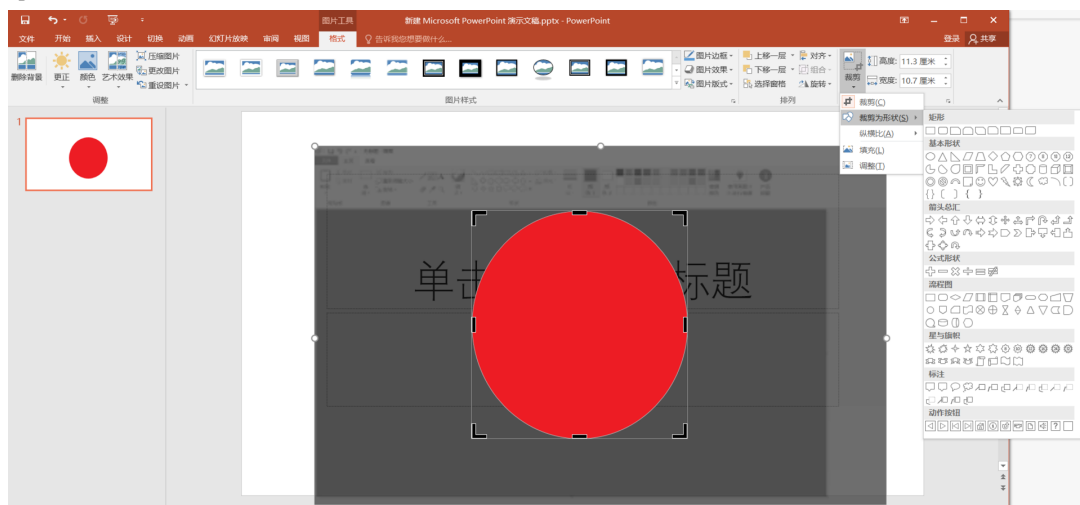


图9 裁剪之后的圆形

1801220002

陈国强

