

实现近六天的天气信息展示

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- 新建layout文件：sixday1.xml、sixday2.xml（两张滑动页面）
- 修改weather_info.xml
- 修改TodayWeather.java
- 修改MainActivity.java

1. 新建layout文件：sixday1.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <RelativeLayout
        android:layout_width="fill_parent"
        android:layout_height="wrap_content">
        <RelativeLayout
            android:id="@+id/indicator"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:orientation="horizontal"
            android:layout_alignParentLeft="true">
            <!-- 今日星期 -->
            <TextView
                android:id="@+id/week_today"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_alignParentTop="true"
                android:layout_centerInParent="true"
                android:layout_marginLeft="5dip"
                android:singleLine="true"
                android:text="星期三"
                android:textColor="@android:color/white"
                android:textSize="20sp" />
            <!-- 天气情况图片示例 -->
            <ImageView
                android:id="@+id/weather_img"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_centerInParent="true"
                android:layout_below="@+id/week_today"
                android:src="@drawable/biz_plugin_weather_qing" />
```

```

<!-- 温度范围 -->
<TextView
    android:id="@+id/temperature"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/weather_img"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="-2℃~7℃"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
<!-- 天气状况 -->
<TextView
    android:id="@+id/climate"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/temperature"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="多云转晴"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
<!-- 风力信息 -->

<TextView
    android:id="@+id/wind"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/climate"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="微风"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
</RelativeLayout>
<RelativeLayout
    android:id="@+id/indicator1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:layout_centerInParent="true"
    android:gravity="center">
<!-- 今日星期 -->
<TextView
    android:id="@+id/week_today1"
    android:layout_width="wrap_content"

```

```

        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerInParent="true"
        android:layout_marginLeft="5dip"
        android:singleLine="true"
        android:text="星期三"
        android:textColor="@android:color/white"
        android:textSize="20sp" />
<!-- 温度范围 -->
<!-- 天气情况图片示例 -->
<ImageView
    android:id="@+id/weather_img1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerInParent="true"
    android:layout_below="@+id/week_today1"
    android:src="@drawable/biz_plugin_weather_qing" />
<TextView
    android:id="@+id/temperature1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/weather_img1"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="-2℃~7℃"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
<!-- 天气状况 -->
<TextView
    android:id="@+id/climate1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/temperature1"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="多云转晴"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
<!-- 风力信息 -->

<TextView
    android:id="@+id/wind1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/climate1"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"

```

```

        android:singleLine="true"
        android:text="微风"
        android:textColor="@android:color/white"
        android:textSize="20.0sp" />
</RelativeLayout>
<RelativeLayout
    android:id="@+id/indicator2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:layout_alignParentRight="true">
<!-- 今日星期 -->
<TextView
    android:id="@+id/week_today2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="星期三"
    android:textColor="@android:color/white"
    android:textSize="20sp" />
<!-- 天气情况图片示例 -->
<ImageView
    android:id="@+id/weather_img2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerInParent="true"
    android:layout_below="@+id/week_today2"
    android:src="@drawable/biz_plugin_weather_qing" />
<!-- 温度范围 -->
<TextView
    android:id="@+id/temperature2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/weather_img2"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="-2℃~7℃"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
<!-- 天气状况 -->
<TextView
    android:id="@+id/climate2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/temperature2"

```

```

        android:layout_centerInParent="true"
        android:layout_marginLeft="5dip"
        android:singleLine="true"
        android:text="多云转晴"
        android:textColor="@android:color/white"
        android:textSize="20.0sp" />
<!-- 风力信息 -->

<TextView
    android:id="@+id/wind2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/climate2"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="微风"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
</RelativeLayout>
</RelativeLayout>

</RelativeLayout>

```

2. 新建layout文件：sixday1.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <RelativeLayout
        android:layout_width="fill_parent"
        android:layout_height="wrap_content">
        <RelativeLayout
            android:id="@+id/indicator"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:orientation="horizontal"
            android:layout_alignParentLeft="true">
            <!-- 今日星期 -->
            <TextView
                android:id="@+id/week_today"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_alignParentTop="true"
                android:layout_centerInParent="true"
                android:layout_marginLeft="5dip"

```

```

        android:singleLine="true"
        android:text="星期三"
        android:textColor="@android:color/white"
        android:textSize="20sp" />
<!-- 天气情况图片示例 -->
<ImageView
    android:id="@+id/weather_img"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerInParent="true"
    android:layout_below="@+id/week_today"
    android:src="@drawable/biz_plugin_weather_qing" />
<!-- 温度范围 -->
<TextView
    android:id="@+id/temperature"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/weather_img"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="-2℃~7℃"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
<!-- 天气状况 -->
<TextView
    android:id="@+id/climate"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/temperature"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="多云转晴"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
<!-- 风力信息 -->

<TextView
    android:id="@+id/wind"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/climate"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="微风"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />

```

```
</RelativeLayout>
<RelativeLayout
    android:id="@+id/indicator1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:layout_centerInParent="true"
    android:gravity="center">
    <!-- 今日星期 -->
    <TextView
        android:id="@+id/week_today1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerInParent="true"
        android:layout_marginLeft="5dip"
        android:singleLine="true"
        android:text="星期三"
        android:textColor="@android:color/white"
        android:textSize="20sp" />
    <!-- 温度范围 -->
    <!-- 天气情况图片示例 -->
    <ImageView
        android:id="@+id/weather_img1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:layout_below="@+id/week_today1"
        android:src="@drawable/biz_plugin_weather_qing" />
    <TextView
        android:id="@+id/temperature1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/weather_img1"
        android:layout_centerInParent="true"
        android:layout_marginLeft="5dip"
        android:singleLine="true"
        android:text="-2℃~7℃"
        android:textColor="@android:color/white"
        android:textSize="20.0sp" />
    <!-- 天气状况 -->
    <TextView
        android:id="@+id/climate1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/temperature1"
        android:layout_centerInParent="true"
        android:layout_marginLeft="5dip"
        android:singleLine="true"
```

```

        android:text="多云转晴"
        android:textColor="@android:color/white"
        android:textSize="20.0sp" />
<!-- 风力信息 -->

<TextView
    android:id="@+id/wind1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/climate1"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="微风"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
</RelativeLayout>
<RelativeLayout
    android:id="@+id/indicator2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:layout_alignParentRight="true">
<!-- 今日星期 -->
<TextView
    android:id="@+id/week_today2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="星期三"
    android:textColor="@android:color/white"
    android:textSize="20sp" />
<!-- 天气情况图片示例 -->
<ImageView
    android:id="@+id/weather_img2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerInParent="true"
    android:layout_below="@+id/week_today2"
    android:src="@drawable/biz_plugin_weather_qing" />
<!-- 温度范围 -->
<TextView
    android:id="@+id/temperature2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/weather_img2"

```



```

        android:layout_centerInParent="true"
        android:layout_marginLeft="5dip"
        android:singleLine="true"
        android:text="-2℃~7℃"
        android:textColor="@android:color/white"
        android:textSize="20.0sp" />
<!-- 天气状况 -->
<TextView
    android:id="@+id/climate2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/temperature2"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="多云转晴"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
<!-- 风力信息 -->

<TextView
    android:id="@+id/wind2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/climate2"
    android:layout_centerInParent="true"
    android:layout_marginLeft="5dip"
    android:singleLine="true"
    android:text="微风"
    android:textColor="@android:color/white"
    android:textSize="20.0sp" />
</RelativeLayout>
</RelativeLayout>
</RelativeLayout>

```

3. 修改weather_info.xml

结构

```

<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:layout_below="@id/title"
    android:background="@drawable/biz_plugin_wear"
    android:orientation="vertical">
    <!-- 今日天气信息 -->
    <RelativeLayout...>
    <!-- 六日天气信息 -->
    <RelativeLayout
        android:id="@+id/sixDay_waeather"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:padding="10.0dip">
        <!--展示滑动页面-->
        <android.support.v4.view.ViewPager...>
        <!--两个小点-->
        <LinearLayout...>
    </RelativeLayout>
    <!-- 广告等信息 -->
</LinearLayout>

```

代码

```

<!-- 六日天气信息 -->
<RelativeLayout
    android:id="@+id/sixDay_waeather"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:padding="10.0dip">
    <!--展示滑动页面-->
    <android.support.v4.view.ViewPager
        android:layout_height="fill_parent"
        android:layout_width="fill_parent"
        android:id="@+id/viewpager"
    >
    </android.support.v4.view.ViewPager>
    <!--两个小点-->
    <LinearLayout
        android:id="@+id/indicator"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:gravity="center"
        android:layout_alignParentBottom="true">
        <ImageView

```

```

        android:id="@+id/iv1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:paddingLeft="5dp"
        android:src="@drawable/page_indicator_focused"/>
    <ImageView
        android:id="@+id/iv2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:paddingLeft="5dp"
        android:src="@drawable/page_indicator_unfocused"/>
</LinearLayout>
</RelativeLayout>

```

4、修改TodayWeather.java

增加六天的日期、风力、温度、天气类型；增加set/get方法；修改toString方法；

```

private String
week_today,temperatureH,temperatureL,climate,wind,week_today1,temperatureH1
,temperatureL1,climate1,wind1,week_today2,temperatureH2,temperatureL2,climate2,wind2;
private String
week_today3,temperatureH3,temperatureL3,climate3,wind3,week_today4,temperatureH4,temperatureL4,climate4,wind4,week_today5,temperatureH5,temperatureL5,climate5,wind5;

```

5、修改MainActivity.java

增加变量

```

//六天天气信息展示
//显示两个展示页
private ViewPagerAdapter vpAdapter;
private ViewPager vp;
private List<View> views;
//为引导页增加小圆点
private ImageView[] dots; //存放小圆点的集合
private int[] ids = {R.id.iv1,R.id.iv2};
private TextView
week_today,temperature,climate,wind,week_today1,temperature1,climate1,wind1
,week_today2,temperature2,climate2,wind2;
private TextView
week_today3,temperature3,climate3,wind3,week_today4,temperature4,climate4,wind4,week_today5,temperature5,climate5,wind5;

```

修改initView方法，为上面新声明的变量赋值，并将其设置为“N/A”

```
//
week_today=views.get(0).findViewById(R.id.week_today);
temperature=views.get(0).findViewById(R.id.temperature);
climate=views.get(0).findViewById(R.id.climate);
wind=views.get(0).findViewById(R.id.wind);
//
week_today1=views.get(0).findViewById(R.id.week_today1);
temperature1=views.get(0).findViewById(R.id.temperature1);
climate1=views.get(0).findViewById(R.id.climate1);
wind1=views.get(0).findViewById(R.id.wind1);
//
week_today2=views.get(0).findViewById(R.id.week_today2);
temperature2=views.get(0).findViewById(R.id.temperature2);
climate2=views.get(0).findViewById(R.id.climate2);
wind2=views.get(0).findViewById(R.id.wind2);
//
week_today3=views.get(1).findViewById(R.id.week_today);
temperature3=views.get(1).findViewById(R.id.temperature);
climate3=views.get(1).findViewById(R.id.climate);
wind3=views.get(1).findViewById(R.id.wind);
//
week_today4=views.get(1).findViewById(R.id.week_today1);
temperature4=views.get(1).findViewById(R.id.temperature1);
climate4=views.get(1).findViewById(R.id.climate1);
wind4=views.get(1).findViewById(R.id.wind1);
```

继承ViewPager.OnPageChangeListener

```
implements View.OnClickListener ,ViewPager.OnPageChangeListener
```

在onCreate方法中增加

```
//初始化两个滑动页面
initViews();
//小圆点初始化
initDots();
//初始化界面控件
initView();
```

增加方法

```
//初始化校小圆点
void initDots(){
    dots = new ImageView[views.size()];
    for(int i =0;i<views.size();i++){
        dots[i]=(ImageView)findViewById(ids[i]);
    }
}
```

```

    }
}
//六天天气信息展示
private void initView(){
    LayoutInflater inflater = LayoutInflater.from(this);
    views = new ArrayList<View>();
    views.add(inflater.inflate(R.layout.sixday1,null));
    views.add(inflater.inflate(R.layout.sixday2,null));
    vpAdapter = new ViewPagerAdapter(views,this);
    vp = (ViewPager) findViewById(R.id.viewpager);
    vp.setAdapter(vpAdapter);
    //为pageviewer配置监听事件
    vp.setOnPageChangeListener(this);
}
@Override
public void onPageScrolled(int position, float positionOffset, int
positionOffsetPixels) {

}

@Override
public void onPageSelected(int position) {
    for (int a = 0;a<ids.length;a++){
        if(a==position){

dots[a].setImageResource(R.drawable.page_indicator_focused);
        }else {

dots[a].setImageResource(R.drawable.page_indicator_unfocused);
        }
    }
}

@Override
public void onPageScrollStateChanged(int state) {

}
}

```

修改parseXML方法

以风力为例子

```

        fengxiangCount++;
    }else if (xmlPullParser.getName().equals("fengli") && fengliCount == 0) {
        eventType = xmlPullParser.next();
        todayWeather.setFengli(xmlPullParser.getText());
        todayWeather.setWind1(xmlPullParser.getText());
        fengliCount++;
    }else if (xmlPullParser.getName().equals("fengli") && fengliCount == 1) {
        eventType = xmlPullParser.next();
        todayWeather.setWind2(xmlPullParser.getText());
        fengliCount++;
    }else if (xmlPullParser.getName().equals("fengli") && fengliCount == 2) {
        eventType = xmlPullParser.next();
        todayWeather.setWind3(xmlPullParser.getText());
        fengliCount++;
    }else if (xmlPullParser.getName().equals("fengli") && fengliCount == 3) {
        eventType = xmlPullParser.next();
        todayWeather.setWind4(xmlPullParser.getText());
        fengliCount++;
    }else if (xmlPullParser.getName().equals("fengli") && fengliCount == 4) {
        eventType = xmlPullParser.next();
        todayWeather.setWind5(xmlPullParser.getText());
        fengliCount++;
    }else if (xmlPullParser.getName().equals("fl_1")) {
        eventType = xmlPullParser.next();
        todayWeather.setWind(xmlPullParser.getText());
    }
}

```

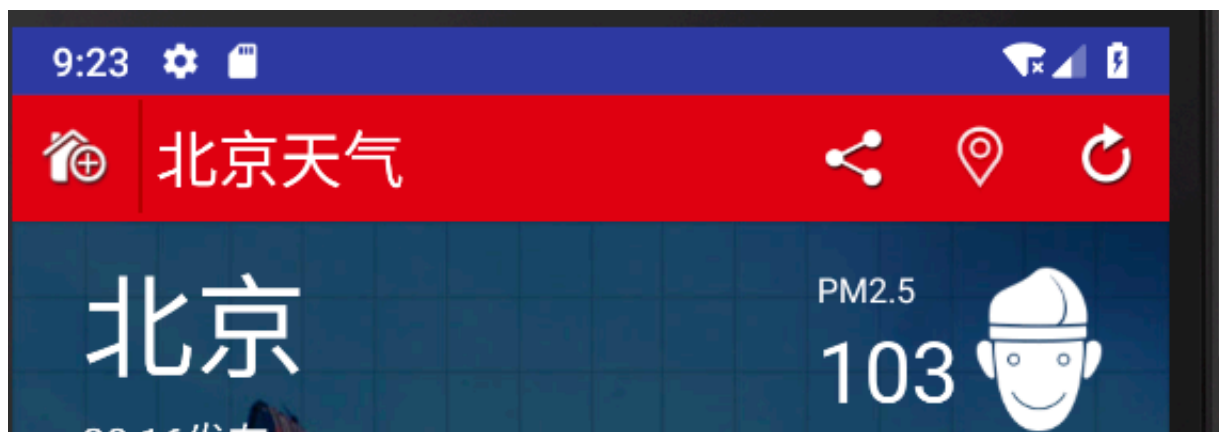
修改updateTodayWeather方法（部分代码，其余部分可效仿）

```

void updateTodayWeather(TodayWeather todayWeather){
    city_name_Tv.setText(todayWeather.getCity()+"天气");
    cityTv.setText(todayWeather.getCity());
    timeTv.setText(todayWeather.getUpdatetime()+"发布");
    humidityTv.setText("湿度: "+todayWeather.getShidu());
    pmDataTv.setText(todayWeather.getPm25());
    pmQualityTv.setText(todayWeather.getQuality());
    weekTv.setText(todayWeather.getDate());
    temperatureTv.setText(todayWeather.getLow()+"~"+todayWeather.getHigh());
    climateTv.setText(todayWeather.getType());
    windTv.setText("风力: "+todayWeather.getFengli());
    //新增六天天气信息
    week_today.setText(todayWeather.getWeek_today());
    temperature.setText(todayWeather.getTemperatureL()+"~"+todayWeather.getTemperatureH());
    climate.setText(todayWeather.getClimate());
    wind.setText(todayWeather.getWind());
    week_today1.setText(todayWeather.getWeek_today1());
    temperature1.setText(todayWeather.getTemperatureL1()+"~"+todayWeather.getTemperatureH1());
    climate1.setText(todayWeather.getClimate1());
    wind1.setText(todayWeather.getWind1());
    week_today2.setText(todayWeather.getWeek_today2());
    temperature2.setText(todayWeather.getTemperatureL2()+"~"+todayWeather.getTemperatureH2());
    climate2.setText(todayWeather.getClimate2());
}

```

6、效果图



20:16发布

湿度: 65%

轻度污染



8日星期四

2°C~高温 14°C

晴

风力:2级

7日星期三



2°C~12°C

多云

<3级

8日星期四



2°C~高温 14°C

晴

2级

9日星期五



1°C~15°C

晴

<3级