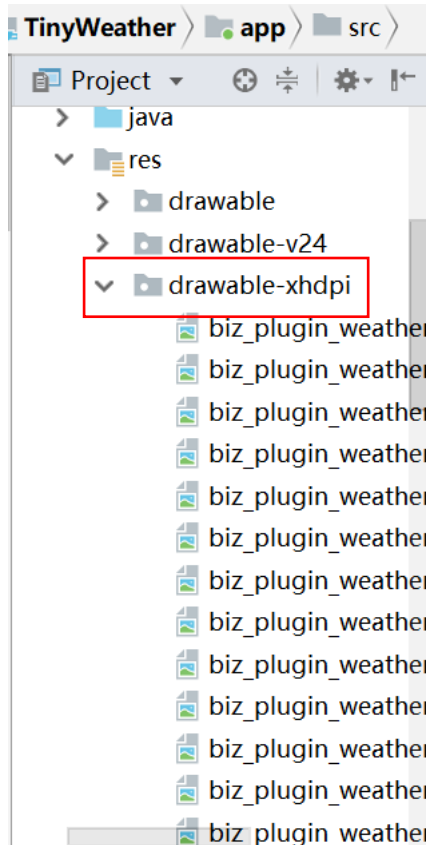


步骤七：更新天气和 PM2.5 的 ImageView

1. 将资源文件添加到 drawable-xhdpi 文件下



2. 更新 PM2.5 的 ImageView

修改 MainActivity 中的 updateTodayweather 方法（函数）

- (1) 由于从网络上解析的信息中部分城市没有 PM2.5 数值数据，因此在更新前需要判定 PM2.5 数据是否为空。PM2.5 数据为空时不进行更新。
- (2) 将解析的 PM2.5 数据从字符串格式转化为整数格式。
- (3) 根据 PM 数值的大小对界面的 PM2.5 的 ImageView 进行更新。

```
Manifest.xml x select_city.xml x MainActivity.java x
**/
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());
    if(todayWeather.getPm25()!=null) pmDataTv.setText(todayWeather.getPm25());
    else pmDataTv.setText("无");
    if(todayWeather.getQuality()!=null) pmQualityTv.setText(todayWeather.getQuality());
    else pmQualityTv.setText("无");
    weekTv.setText(todayWeather.getDate());
    temperatureTv.setText(todayWeather.getHigh()+"~"+todayWeather.getLow());
    wendutv.setText("当前温度:"+todayWeather.getWendu()+"℃");
    climateTv.setText(todayWeather.getType());
    windTv.setText("风力:"+todayWeather.getFengli());

    //根据解析的PM2.5的值更新PM2.5的图案
    if(todayWeather.getPm25()!=null){
        int pm2_5=Integer.parseInt(todayWeather.getPm25());
        if(pm2_5<=50) pmImg.setImageResource(R.drawable.biz_plugin_weather_0_50);
        if(pm2_5>50&&pm2_5<=100) pmImg.setImageResource(R.drawable.biz_plugin_weather_51_100);
        if(pm2_5>100&&pm2_5<=150) pmImg.setImageResource(R.drawable.biz_plugin_weather_101_150);
        if(pm2_5>150&&pm2_5<=200) pmImg.setImageResource(R.drawable.biz_plugin_weather_151_200);
        if(pm2_5>200&&pm2_5<=300) pmImg.setImageResource(R.drawable.biz_plugin_weather_201_300);
        if(pm2_5>300) pmImg.setImageResource(R.drawable.biz_plugin_weather_greater_300);
    }
}
```

3. 更新天气的 ImageView

根据解析出的天气类型信息，使用选择结构对天气的 ImageView 进行更新。

```

//根据解析的天气类型更新界面的天气图案
String climate=todayWeather.getType();
if(climate.equals("暴雪"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_baoxue);
if(climate.equals("暴雨"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_baoyu);
if(climate.equals("大暴雨"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_dabaoyu);
if(climate.equals("大雪"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_daxue);
if(climate.equals("大雨"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_dayu);
if(climate.equals("多云"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_duoyun);
if(climate.equals("雷阵雨"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_leizhenyu);
if(climate.equals("雷阵雨冰雹"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_leizhenyubingbao);
if(climate.equals("晴"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_qing);
if(climate.equals("沙尘暴"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_shachenbao);
if(climate.equals("特大暴雨"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_tedabaoyu);
if(climate.equals("雾"))
    weatherImg.setImageResource(R.drawable.biz_plugin_weather_wu);

```

4. 代码

```

5. void updateTodayweather(TodayWeather todayWeather){
6.     city_name_Tv.setText(todayWeather.getCity()+"天气");
7.     cityTv.setText(todayWeather.getCity());
8.     timeTv.setText(todayWeather.getUpdatetime()+"发布");
9.     humidityTv.setText("湿度:"+todayWeather.getShidu());
10.    if(todayWeather.getPm25()!=null) pmDataTv.setText(todayWeather.getPm25());
11.    else pmDataTv.setText("无");
12.    if(todayWeather.getQuality()!=null) pmQualityTv.setText(todayWeather.getQuality());
13.    else pmQualityTv.setText("无");
14.    weekTv.setText(todayWeather.getDate());
15.    temperatureTv.setText(todayWeather.getHigh()+"~"+todayWeather.getLow());
16.    wendutv.setText("当前温度:"+todayWeather.getWendu()+"°C");
17.    climateTv.setText(todayWeather.getType());
18.    windTv.setText("风力:"+todayWeather.getFengli());
19.
20.    //根据解析的 PM2.5 的值更新 PM2.5 的图案

```

```
21.     if(todayWeather.getPm25()!=null){
22.         int pm2_5=Integer.parseInt(todayWeather.getPm25());
23.         if(pm2_5<=50) pmImg.setImageResource(R.drawable.biz_plugin_weather_0_50)
24.         ;
25.         if(pm2_5>50&&pm2_5<=100) pmImg.setImageResource(R.drawable.biz_plugin_weather_51_100);
26.         if(pm2_5>100&&pm2_5<=150) pmImg.setImageResource(R.drawable.biz_plugin_weather_101_150);
27.         if(pm2_5>150&&pm2_5<=200) pmImg.setImageResource(R.drawable.biz_plugin_weather_151_200);
28.         if(pm2_5>200&&pm2_5<=300) pmImg.setImageResource(R.drawable.biz_plugin_weather_201_300);
29.         if(pm2_5>300) pmImg.setImageResource(R.drawable.biz_plugin_weather_greater_300);
30.     }
31.     //根据解析的天气类型更新界面的天气图案
32.     String climate=todayWeather.getType();
33.     if(climate.equals("暴雪"))
34.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_baoxue);
35.     if(climate.equals("暴雨"))
36.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_baoyu);
37.     if(climate.equals("大暴雨"))
38.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_dabaoyu);
39.     if(climate.equals("大雪"))
40.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_daxue);
41.     if(climate.equals("大雨"))
42.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_dayu);
43.     if(climate.equals("多云"))
44.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_duoyun);
45.     if(climate.equals("雷阵雨"))
46.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_leizhenyu);
47.     if(climate.equals("雷阵雨冰雹"))
48.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_leizhenyubingbao);
49.     if(climate.equals("晴"))
50.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_qing);
51.     if(climate.equals("沙尘暴"))
52.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_shachenbao);
53.     if(climate.equals("特大暴雨"))
54.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_tedabaoyu);
55.     if(climate.equals("雾"))
56.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_wu);
57.     if(climate.equals("小雪"))
```

```
58.         weatherImg.setImageResource(R.drawable.biz_plugin_weather_xiaoxue);
59.         if(climate.equals("小雨"))
60.             weatherImg.setImageResource(R.drawable.biz_plugin_weather_xiaoyu);
61.         if(climate.equals("阴"))
62.             weatherImg.setImageResource(R.drawable.biz_plugin_weather_yin);
63.         if(climate.equals("雨夹雪"))
64.             weatherImg.setImageResource(R.drawable.biz_plugin_weather_yujiaxue);
65.         if(climate.equals("阵雨"))
66.             weatherImg.setImageResource(R.drawable.biz_plugin_weather_zhenyu);
67.         if(climate.equals("阵雪"))
68.             weatherImg.setImageResource(R.drawable.biz_plugin_weather_zhenxue);
69.         if(climate.equals("中雪"))
70.             weatherImg.setImageResource(R.drawable.biz_plugin_weather_zhongxue);
71.         if(climate.equals("中雨"))
72.             weatherImg.setImageResource(R.drawable.biz_plugin_weather_zhongyu);
73.         Toast.makeText(MainActivity.this, "更新成功!", Toast.LENGTH_LONG).show();
74. }
```