

README

Team member:

- 1.WANG Peng: 3035420027
- 2.YUAN Fangqi: 3035419315

1. Before doing project:

Considering about using cloud resource, and studying, we construct a Git space, and connect our project to the Git, which can publish the total project to the platform, and get in touch with internet resource on Git. (<https://github.com/qiyexue777/smartweather>)

2. Android Studio configuration

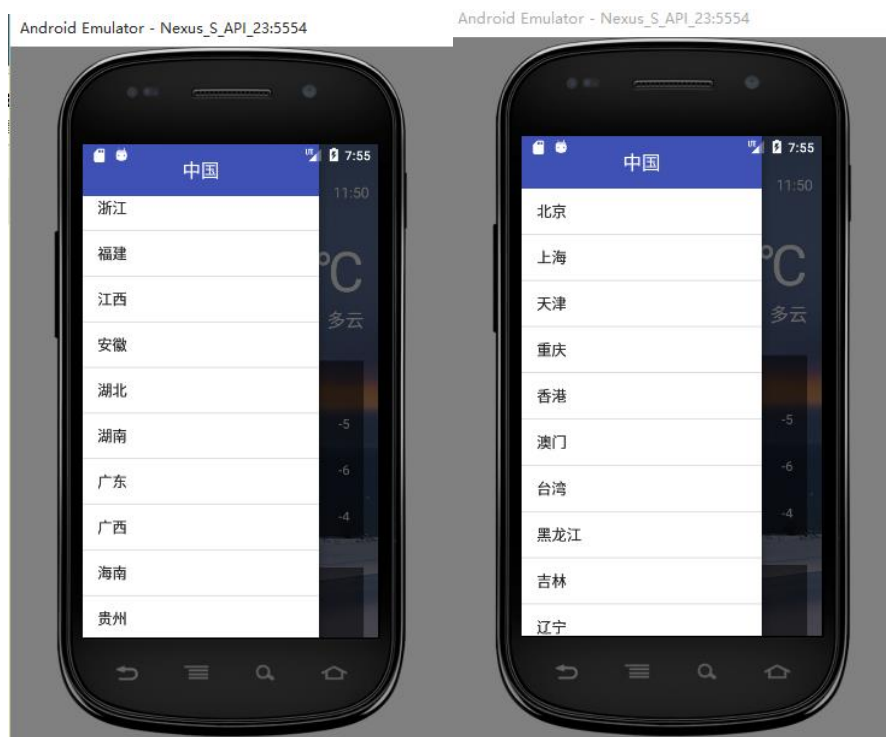
Android studio version: 3.0.1;
API level: API 26: Android 8.0 (Oreo)
AVD level: Nexus S API 23, android 6.0

3. Test my project

3.1 Run APP;

3.2 Select AVD—API 23;

The app will display the following page: it's a list to demonstrate all over 34 provinces in China. when we scroll the page, we can scan all the provinces.



3.3 We can choose any one province, and click it! for example, I click HongKong, and we can see another list to show all cities in Hong Kong, we click HongKong island, then, it transfers to the second page.



3.4 Now, we can see this page containing 5 parts, the first part, it presents the position, and longitude, and latitude. Then ,we can get daily weather information, such as temperature, sunny or cloudy Meanwhile, we can also know about today's wind speed. And it can also forecast the future 3-day weather information. Next, we can get the air condition, such as AQI, and pm 2.5.



3.5 When we scroll the page, we can see the life suggestions based on today's weather, it contains air quality, comfortableness, and flu index, car-washing index as well as sport advice.

Android Emulator - Nexus_S_API_23:5554



3.6 If I intend to update the real time weather information, I can pull down the page, and then it updates successfully. And the page will show the update time on the right corner.

Android Emulator - Nexus_S_API_23:5554



3.7 If I want to change position, I can click the home icon, or I can slide the page from left to right. Then I can go back to the list to choose another one.



3.8 Worth mentioning, we can see that this cover photo is updated, every time I update the weather information.

Additionally, when I choose a new position, the cover letter will also update.

Android Emulator - Nexus_S_API_23:5554



Android Emulator - Nexus_S_API_23:5554



Android Emulator - Nexus_S_API_23:5554



Android Emulator - Nexus_S_API_23:5554



3.9 Above all, these are main functions of our app.