Task: Create a simple weather app

Specification

The user should be able to maintain a list of cities where he can get the current weather status as well as historical weather data. With historical weather data is meant all weathers requests the user has made with the app. You can find the *API info* in the 2nd page.

Create a table where the user can add/remove City names (We have tested with London, Vienna, Paris -> all giving valid responses for *API Endpoint 1*, check the api at the second page).
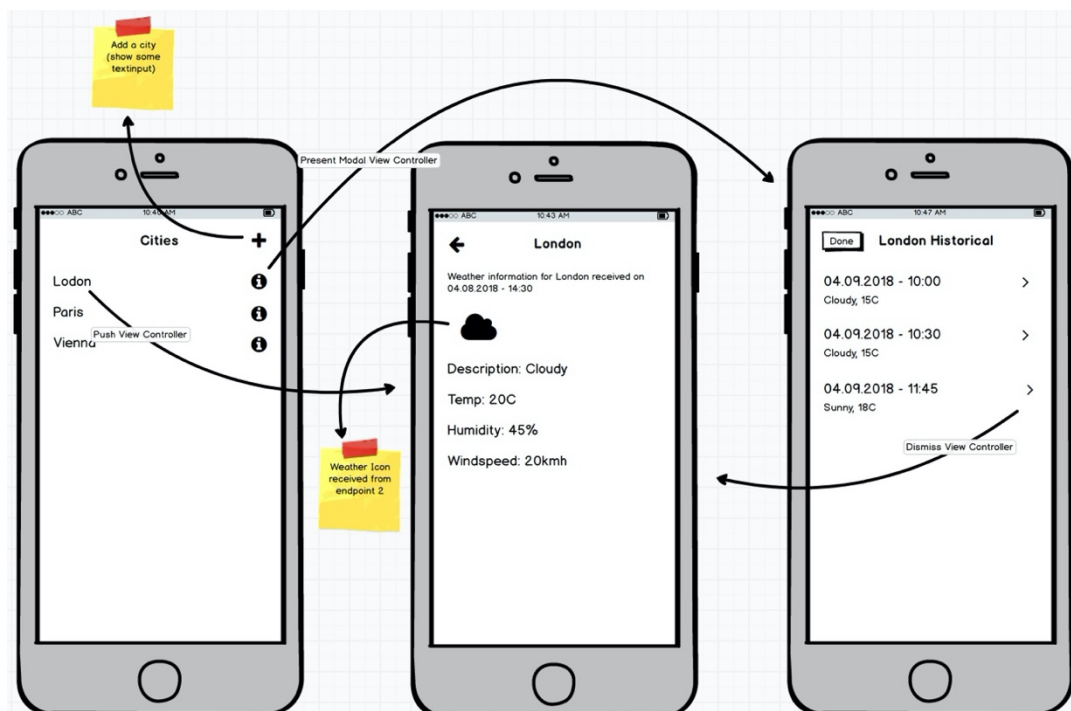After Click on an added City Name show a Detail page displaying the following information from the response of *API endpoint 1*:
- weather.description
- main.temp (response is kelvin -> convert to celsius)
- main.humidity (in percentage)
- wind.speed

The request must be asynchronous, during the request show some loading indicator.

Development guidelines

- UI/UX must be like the specs
- Clean architecture (MVVM is suggested)
- React-Programming (RxJava - Kotlin coroutines)

API Info

Weather API: https://openweathermap.org
API Key: f5cb0b965ea1564c50c6f1b74534d823

Endpoints to be used:

1) GET: api.openweathermap.org/data/2.5/weather?q=<CITY_NAME>
2) GET: http://openweathermap.org/img/w/<ICON_ID>.png

Assessment Grading

- App Architecture & Codestyle/quality & Documentation of Code
- User Interface (Pixel perfect design is a strong plus)
- Error Handling
- Interpretation of specification
- Tests

For any Questions on the assessment: mobile@planradar.com

Delivery

Zip File containing the source.