

## **Mobile Developer Candidate Assignment**

Greetings,

You are given this assignment in order to evaluate your skills as a mobile app. developer.

Please read the assignment's instruction carefully and provide us with:

- Working (compilation error free) code solving the problem
- Short document specifying what design principals and techniques you choose to implement.
- apk file (not obfuscated)

### **Assignment: Weather client**

**Objective:** Creating a weather client using [openweathermap.org](http://openweathermap.org) API, providing the user with current weather information for a specific pre-defined city. The client needs to be able to update its weather information with current data regardless of the state of the app (background) i.e. from the moment the device boot.

#### **Requirements:**

- API query should be made every 10min.
- API response – pick as you see fit (JSON/XML/HTML)
- The app must contain an Activity containing a simple list\grid of all the data samples collected until now in a descending order.
- You can choose any type of data storage for maintaining the above list.
- Your design should follow OO principals and patterns and should take under consideration UX and UI responsiveness.

#### **References:**

- OpenWeatherMap query API - <http://openweathermap.org/current>

#### **Notice:**

- You can pre-define the city, not need to add a multi choice option.
- You can choose which data to present but the current temperature is mandatory
- Focus on the main objective, the bonus features are nice to have but will not affect the evaluation of this assignment.
- If time provides feel free to add more enhancements as you see fit.
- 3rd party libraries are welcomed.

**Good Luck,**

Cellebrite Mobile Clients Team.