GRID Reactive Code Test

Objective

Create a simple command line (ascii text) API mashup of GitHub and Twitter APIs. Search for "Reactive" projects on GitHub, then for each project search for tweets that mention it. You should output a summary of each project with a short list of recent tweets, in JSON format.

Instructions

- Complete this assignment in **Scala** (preferred) or **Java**.
- We expect from you to submit a **Production quality** like code with all what this means to you.
- You will require a Twitter consumer key and secret, to complete this.
- Any private information and should not be included in your submission. However, you must make this information easily configurable via a configuration or properties file.
- Twitter API is rate limited so you should only try to retrieve tweets for 10 projects.
- The code should be submitted in a **.zip** or **.tar** archive with instructions to build and run the project. We recommend to upload it with Dropbox (or similar) to share it easily.

Deadline
- You'll have up to a week from now onwards to finish it. Any submissions later on won't be evaluated.
- Remember that we do not evaluate how fast you code: we will measure your code quality.

More information

The **GitHub API** documentation
- https://developer.github.com/v3/search/#search-repositories

Searching for reactive projects
- curl https://api.github.com/search/repositories\?q\=reactive

The **Twitter API** documentation
- https://dev.twitter.com/oauth/application-only
- https://dev.twitter.com/oauth/overview/application-owner-access-tokens
- https://developer.github.com/v3/activity/events/#list-public-events-for-a-network-of-repositories

Confidentiality
This assessment is intended for the recipient only so we request that it is treated in a confidential manner and not share or released on any 3rd party sites.