

## **Securedtouch Home Assignment - QA Currency Converter API**

In this assignment you are required to define tests for currency conversion API and to implement automation testing of the API.

Please read the instructions carefully before you begin and reply within the given timeframe.

If you don't have enough time, it is preferred that you'll deliver all three requirements even if each is not complete, rather than completing 100% of one or two (e.g. implement automation for only some of the tests)

Please don't hesitate to contact us with any question you might have.

### **System Details**

The system under test is the open source project <http://fixer.io/>. The entire API, as defined on the project main page is included as part of the system.

For example, the following API call <https://api.fixer.io/latest?base=USD&symbols=ILS> will result with a JSON representing the latest USD to ILS exchange rate.

The current version functionality is as described on the project page - <http://fixer.io/>

The next version of the system will introduce a new functionality: *Currency Rate Prediction*, according to the following requirements:

- Currency prediction supports only next trading day prediction (i.e. the system will not predict two days or more ahead)
- Prediction is available on the API by using the keyword "tomorrow" instead of "latest" / "YYYY-MM-DD". For example: <https://api.fixer.io/tomorrow?base=USD&symbols=ILS> (this link is broken, the feature is not implemented yet)
- On the response of the API, the date will be the date of tomorrow

### **Assignment Requirements**

- Write a test plan for the API on its current version - use any format you like (Excel, Document, Google Sheet, Whatever) as long as it can be opened on any standard computer and doesn't require any proprietary software license.
- Implement Automation testing according to the above test plan - use any framework & language you like, as long as we'll be able to run it as well :)
- Add to the test plan the additional tests required due to the new *Currency Rate Prediction* feature

-- Good Luck!