**Exercise text**

Make a Rest controller to handle the following account operations:

* Balance reading;
* List of transactions
* Transfer;

The application is to be developed using the API exposed by Fabrick <https://developers.fabrick.com/hc/it>

Use of the SANDBOX version of the API will be sufficient for the development and testing phase.

Development of a user interface is not required;

**Optional:**

It will be positively evaluated, but not mandatory for the purpose of testing, to write to DB and historicize the movements obtained with the transaction list.

**Credentials and input**

The exercise should be carried out using the Sandbox environment with the following credentials:

**BaseUrl:** https://sandbox.platfr.io

**Auth-Schema:** S2S

**Api-Key:** FXOVVXXHVCPVPBZXIJOBGUGSKHDHDNFRRQJP

**Key Id:** 3202 (for internal use, not useful for testing purposes)

**accountId:** 14537780

**Properties/Application Constants.**

- {accountId} : Long, is the reference account number, in the API it is always given as {accountId}, use value **14537780**

**Operation: Read balance**

API: <https://docs.fabrick.com/platform/apis/gbs-banking-account-cash-v4.0>

Output: Display balance

**Operation: Transfer**

API: https://docs.fabrick.com/platform/apis/gbs-banking-payments-moneyTransfers-v4.0

Output: Status of the transaction, the transfer will result KO due to a limitation of the test account. The expected output should be:

**"code"**: "API000",

**"description":** "Technical error Condition BP049 is not expected for account id 14537780"

**Operation: Reading Transactions**

API: <https://docs.fabrick.com/platform/apis/gbs-banking-account-cash-v4.0>

Output: List of transactions, on the suggested dates on example there are movements.

**Technologies**

The test must be conducted in Java. Ideally the use of Spring is required.

**Artifact**

The source code of the artifact produced must be published and shared via:

- GitHub;

- Bitbucket;

- Other similar version control tools;

**Support**

In case of problems during the exercise or doubts, write to: [support@platfr.io](mailto:support@platfr.io)

In the support ticket to expedite assistance write:

**Reference:** TEST Fabrick Luca Terribile

**Environment:** Sandbox

**Id-Key:** 3202

**Key Points.**

The objective is to assess software development capability with emphasis on:

- Code structure;

- Approach to the problem;

- Automated testing;

- Error handling