Back-End Code Assessment

Blue Harvest Java Assignment

The assessment consists of an API to be used for opening a new "current account" of already existing customers.

Requirements

- The API will expose an endpoint which accepts the user information (customerID, initialCredit).
- Once the endpoint is called, a new account will be opened connected to the user whose ID is customerID.
- Also, if initialCredit is not 0, a transaction will be sent to the new account.
- Another Endpoint will output the user information showing Name, Surname, balance, and transactions of the accounts.

Bonuses

- Accounts and Transactions are different services.
- Frontend (simple one is OK).
- Attention to CI/CD

Constraints

- Feel free to use any open source tool or framework.
- For storing the information, the data can be saved in memory and not actually persisted to an external database, so that we can test the solution easier. However, remember this is a backend assignment and consider layers, abstractions, testability and enterprise-level architecture carefully.
- The programming language by default is Java if you let us know which other language you prefer.

Expectations

- The expected deliverable is the source code published on github or gitlab and instructions on how to execute and test it.
- We hope to see demonstration of good git practice and workflow; show us how you work in a team. Testability will be also assessed.

- Show your knowledge beyond boilerplate endpoints!

What is already configured for you

Bear in mind you do not have to stick with the predefined code and configurations, you can make changes as you wish. Those are only intended to facilitate your work and save time.

- Controllers with their base endpoints, but their methods are not implemented.
- DTO and entity classes that are **not fully implemented**.
- JPA based repositories without any methods.
- An in-memory H2 database.

[Click here to start with the Java assignment](#)

Finally, we'd love that you are rewarded for your effort by sharing your best work online as part of your personal portfolio, but please be so kind as to remove references to Blue Harvest first! :)

Good luck!!