

Backend Assessment

We have two providers that collect data from them in json files. We need to read them then insert them into the relation database schema and make some filter operations on them to get the result.

You can check the json files inside jsons folder

1. users.json
2. transections.json

we have three status for transections

- authorized which will have statusCode 1
- decline which will have statusCode 2
- refunded which will have statusCode 3

Acceptance Criteria

Implement this APIs should contain :

- list all users which combine transactions from all the available provider and database
- should be able to filter the result three statusCode (authorized, decline, refunded)
- should be able to filter the result three Currency
- it should be able to filter by amount range
- it should be able to filter by date range

The Evaluation

Task will be evaluated based on

1. Clean, maintainable and structured. It should be easy to correct if there are errors and easy to upgrade for increased functionality, making optimum use of Object Oriented Programming, design in layers and MVC patterns.
2. Application performance in reading large files
3. Reliable. It should be free of errors, demonstrate good exception handling and enable us to verify that it will continue functioning in whatever part we're currently developing, even if we make modifications.
4. Secure. Basic measures should be employed to protect it from external attacks.
5. Well-designed (database, class system, etc.).
6. Unit tests coverage (optional)

7. Docker(optional)