

Backend service test

We are managing the transactions of 5 different clients for stock selling and buying during 2020. We have a CSV file with roughly 10000 transactions that can be found attached to this email.

We want to start creating a tool to manage these transactions, so the first step we want is to have a service that we can query and where we can add new transactions.

There are multiple assumptions that need to be made in order to complete the test. This is up to you, as long as the core requirements are met. You can simplify as much as you want, as long as you can justify it.

Core requirements

1. You need to provide an API to query this data (or data with the same structure if you don't want to load initial data).
2. The API needs to allow creating new records.
3. The API needs to allow for updating existing records (Just one updated field is enough).
4. The API must be based on JSON.

Improvements

There are several optional things we would ideally like to see, feel free to just think about how you would do them, and we can discuss.

1. Deploy the service somewhere, it can be a public API because we don't need authorisation for now.
2. Pre-populate the database with the sample data provided.
3. Add pagination to your API.
4. Have at least one test for the feature.

Considerations

- Code can be written in any language
- Dates can be considered UTC
- We want to know about design decisions, keep that in mind for the review of the test. You don't need to keep a log, but you need to be able to justify them.

Review

Please give us access to a Github repository or send us the code on a zip to review. We will be revisiting the test in a one hour interview.