

Moula Coding Challenge

Scenario

We need a payment system where a user has an account with a balance, and they can manage payment requests.

It needs to be a HTTP API with an endpoint that returns json, and satisfies the following user story:

As a user I want to see my balance and a list of payments.

Fields: Account balance and for the payment list: Date, Amount, status Closed reason if it exists

The user's payments should be sorted by newest date.

Notes

Please read the below carefully as they will be considered on top of your implementation of the above:

- Upload your code in an online public repo of your choice and provide us with a link along with instructions on how to build and run in the README.
- We're interested in code architecture and structure, feel free to provide a brief description in your README of the choices you made.
- We're looking for extensibility, readability and clean, non-repeated code.
- Make assumptions where you need to - it will be hard to showcase everything in such a small codebase but add a few comments in your README to let us know.
- Any considerations/comments on security or performance are preferable
- Use any data store that you want, either in-memory data that resets every run, a local file, local SQL storage or cloud storage (please ensure your code is easily configurable and runnable so we can assess it). Using EF/EF Core is preferable.
- We expect to see properly tested code with good coverage (e.g. unit testing, e2e/functional testing).
- Assume that this application would use CI to deploy to multiple environments, so your setup should accommodate for different configurations.
 - Bonus points if you provide CI configuration and/or deploy scripts (comments about how you would deploy are equally acceptable).