

Go(Python Django) Code challenge

Scope

For the task we ask to implement generic Payment service with a RESTful API. For extra context and perspective assume it will be used as a core service in your fintech startup with corresponding requirements. Here are user stories should be covered:

- I want to be able to submit a payment from one account to another (same currency).
- I want to be able to see payments done.
- I want to be able to see available accounts.

Our goal with this test project is to see your best effort **to engineer things**(not only coding).

Assumptions

1. Multiple currencies are supported
2. There are no users (no auth) in the system
3. Service should be ready for scale

It's okay to make other assumptions as long as you are explicit about them. Feel free to ask further questions/clarifications once you have those.

Evaluation

We expect to see the project README that will allow our engineers to understand what the project does, how to setup local/development environment and start contributing, how to deploy it.

Attention will be put on **but not limited by the listed** aspects:

- Documentation:
 - Code **documentation**
 - API **docs**
 - Human oriented **README**
- Architecture and Design
 - **Simplicity**
 - Expected **Design patterns**
- Code:
 - **Human-oriented**
 - **Idiomatic** (data model and structures, best practices)
 - **Proven** to work (unit/functional/integration tests)
- Infrastructure:
 - **Deployability**
 - External dependencies (if any) choice **justification**
- Bonus points:
 - Implementation using **go-kit**
 - Deployment with **Docker/K8S/Helm**

Timeframe

There is no strict deadline but we would like to get ETA from you to finish the project upon reading the document and understanding it.