

# Money Processing Service

The test is to implement a light version of a bank processing service.  
Just like a typical bank, it should have these entities:

**Clients** of the bank who keep money there.

Each **Client** can have multiple **Accounts**. Each **Account** balance can be denominated in one currency. For example Client1 can have three accounts: one USD account and two COP accounts. The following currencies should be supported: USD, COP, MXN.

**Transaction** is an action to update an **Account** or **Accounts** balance. A transaction should belong to one of following types:

- Deposit money
- Withdraw money
- Money transfer between Clients (Currency conversion is not needed. Only transfer between accounts with the same currency is allowed.)

The following methods should be implemented:

- Create Client
- Create Account for Client
- Get Client
- Get Account
- Get Transactions - return list of transactions for account
- Create Transaction - create transaction of needed type

API - JSON via REST

Programming language - Golang

Database - PostgreSQL

Application should be packed to Docker image and uploaded to <https://hub.docker.com/>

Link to source code should be provided (open repository on github, bitbucket, gitlab)