

# Programming Assignment

Design and implement a RESTful API for doing transfers between accounts. That should include data models and service implementation.

## **Minimum model definition**

1. Account
  - a. Account Number
  - b. Balance
2. Transaction
  - a. Source account number
  - b. Destination account number
  - c. Amount

## **Requirements**

1. You are required to provide an implementation of a TransferService API.
2. Not required to create a user interface.
3. The service API should accept as input source account number, destination account number and the amount. It returns the appropriate response.
4. Data should run in-memory
5. You can use any web framework you fancy, but please stick to Python/Java or JavaScript as the programming language
6. Authentication is not required for this case study
7. Use tests to prove that the endpoints work as expected
8. Ensure that code is always failsafe

## **What we expect**

1. We are interested in code quality, readability, structure and use of best practices and principles
2. Simple implementation and to the point
3. A repo with your code on BitBucket/GitHub or GitLab along with Readme file