Task Description

To develop a simple Java web application to simulate money transfer operation between two bank accounts.

1. The service is expected to have two REST endpoints: One to accept and process transfer requests and the second to retrieve the list of transactions with optional parameters: status, accountNumber, date range etc.

2. A scheduled operation that runs at a specified time (your preference) of the day. This operation analyzes each transaction and updates the successful ones as commission worthy (or not) with the corresponding commission value. The commission on each successful transaction is 20% of the transaction fee while the transaction fee is 0.5% of the original amount with a cap of 100.

3. An endpoint that produced the summary of transactions for a specified day (present day and older days). Another scheduled job at a specified time (your preference) of the day to produce the summary of the transactions for a specified day.

The possible but not exhaustive list of Transaction properties are : transaction reference, amount, transaction fee, billed amount, description, date created, status, status message, commission worthy or not , commission, account number etc.

Notes:
- Preferred the application should be a spring boot application
- You can use any persistence layer of your choice.
- Status should be SUCCESSFUL, INSUFFICIENT FUND, FAILED etc
- We run multiple instances of our services in a kubernetes cluster.
- Our Backend services are largely Java 11+ with Spring boot.

Evaluation Criteria:
- Clean Code
- Design Patterns
- Automated Testing
- Production readiness

How to Submit:
- You can push your code to any publicly accessible code repository of your choice or submit the compressed file containing all the files required to execute it.
- A readme file containing a short description of the implementation and instructions on how to execute the developed application.

We hope you enjoy working on this task and if you have questions, please feel free to reach out.

All the best!