Problem Description

We are a bank and would like to modernize our Account Management system in our Retail Banking. We would like to use Micro Service architecture to replace the monolith application.

The system is supposed to contain the following functionalities:

- Create a Savings Account for the Customer
- Deposit money (e.g. 100$) to Account
- Withdraw money (e.g. 50$) from Account
- Read Available Balance
- List last 10 transactions of the Account

Back-end

Requirements

You are expected to create a solution that exposes REST API's for the mentioned functionalities by using a test driven approach in a publicly shared GitHub repository.

The REST API must be able to handle exceptions such as invalid input, as well as business validations from a common sense perspective.

Technical requirements

- Java 8 or Java 11
- Junit 5
- Spring-boot
- Maven/Gradle

Extra questions

- How will you design/organize the micro services for your API product?
- How will you break down the business requirements into user stories?