**SUBJECT:**

Bank account kata Think of your personal bank account experience

When in doubt, go for the simplest solution Requirements

· Deposit and Withdrawal

· Account statement (date, amount, balance)

· Statement printing

**User Stories**

· US 1:  
In order to save money

As a bank client

I want to make a deposit in my account

· US 2:

In order to retrieve some or all of my savings

As a bank client

I want to make a withdrawal from my account

· US 3:

In order to check my operations

As a bank client

I want to see the history (operation, date, amount, balance) of my operations

For the Statement printing I choose to provide you a better testing experience.

Swagger: localhost:8080/Bank/swagger-ui.html#/

Swagger provides a set of tools for designing APIs and improving the work with we services:

* Swagger Editor – enables to write API documentation, design, and describe new APIs, and edit the existing ones
* Swagger Inspector allows to easily validate and test APIs with no limits on what you test.

Diagram

Description automatically generated

In Today’s fast-moving world, business use online banking to replace in-person visits to a branch.

It offers a variety of web-based features to make financial transactions online. That the best way to do it is by create a REST API

* to be able to have an account a person should register first as a client.

Graphical user interface, text, application

Description automatically generated

* the system will create for you a username ex: "ALROMEH#1"
* please use this username to create account “/api/account/v1/createAccount”
* once you create your account the system will generate for you a unique Account number ex: 202202230326210 (the name came from a combination of time and id )
* now you have a bank account so you can start making operations using your account number
* after making one to many operations, you can check OperationsHistory “/api/operation/v1/operations”
* off course you can always check on your account using your account number “/api/account/v1/account”
* or you can check on your accounts using usename “/api/account/v1/accounts”

Graphical user interface, text, application, email

Description automatically generated