



TEL-RAN
by Starta Institute

Graduation project

Vitalii Saienko

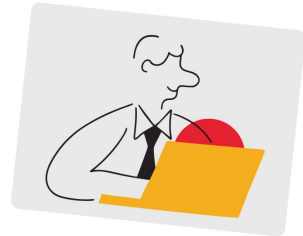
Personal information



Vitalii Saienko

Tel Ran student | java developer

- Switching into IT from accounting area
- Masters Degree in Accounting, 10+ years professional experience
- Berlin, Germany



BankApp - prototype of the BackEnd Bank's Core Services.

BankApp is the Java Spring Boot application with REST architectural style. It includes several layers:

- Controller
- DTO
- Entity
- Mapper
- Repository
- Service
- Security

Database - two separate DB (production & testing) using MySQL.

Key Technologies:

- IntelliJ IDEA
- Maven 4
- Java 17
- Spring Boot 3.1.3
- JPA
- Mapstruct
- Junit 5
- Jacoco
- Thymeleaf 3
- MySQL DB

Key Features:

- User authentication
- Standart management operations for each entity (account, agreement, client etc.)
- Deposit and withdrawal transactions
- Fund transfer between accounts

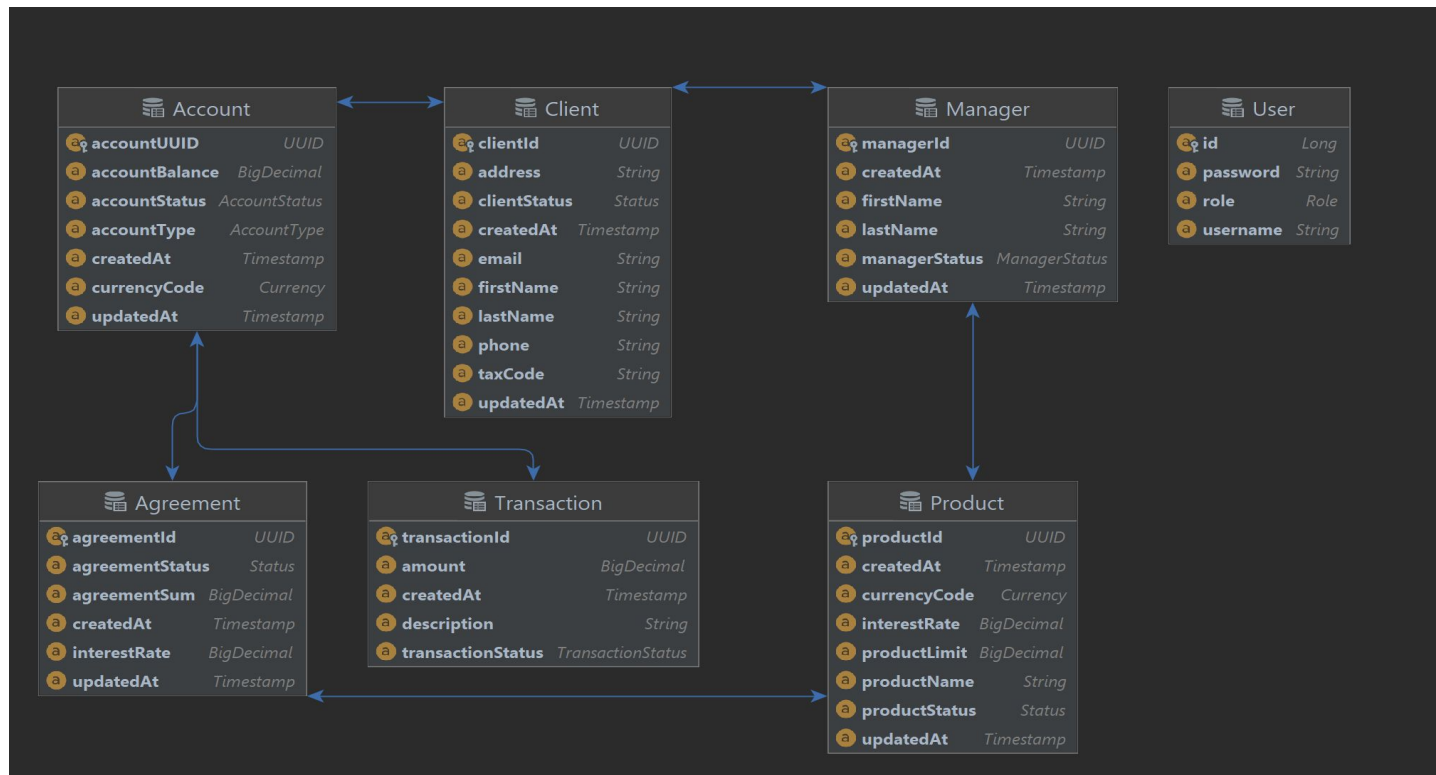
Future plans:

- Enhance the user interface and user experience by developing “bank manager working space” - UI for bank employee that will allow to provide operations using interface.

Additional tools that were used:

- Jira (tracking progress)
- Postman (testing)
- GitHub (tracking changes in project)
- Google, StackOverFlow, OpenAI

DB diagram



Run the application

Code overview

Questions