Mini Back Office

The assignment is to write a functional Back Office application for a banking system. A Back Office is a tool used by bank employees to handle everyday banking operations. In Pocopay this is a web-application that our staff can use to edit customer data, make payments etc. We want you to make a mini version of this.

There is a small and simple back-end project provided (written in Java 8, using Spring Boot and Gradle) to get you started (or write your own from scratch). There is not too much in it: Starting the server will set up a database with a bunch of generated customers and there are a few REST endpoints - but no business logic, tests, error handling etc. So please do your best to implement/change/delete everything you think is necessary.
As you can see, there is no front-end, either. Write a single page application using React (create-react-app should get you going fast). All other choices of technologies are up to you.

The application needs to support the following functionalities:

- Searching and viewing detailed information of customers and payments/transactions of their accounts
- Making transactions between customers' accounts

A "customer" is defined as a person that is a client of the bank. A customer can have one or multiple bank "accounts" in the bank to hold their money. A "transaction" is the movement of money between any two accounts. Feel free to come up with missing attributes (from your own experience) and add them to the database model.

Solution

Think critically about the existing code and structure. Show us how you would structure your application and arrange the code. Prioritize quality over speed.

Upload your solution to a public git repository and include a readme file that describes how to run and use the application.   Good luck!