

Payments System Assignment

Summary

Suppose you are part of a scrum team developing the front-end of a payments system. The system's main features are to create customer accounts and create payments between them. The back-end APIs have been provided for you with full documentation. You are required to develop an **Angular** application that will communicate with those APIs in order to complete the payment cycle.

Implementation Details

The system consists of the following model entities:

- Account: represents a customer's bank account.
- Payment: represents a money transfer between two customer bank accounts, all payments are created using one of the pre-defined currencies in the system.

You are required to provide the following forms:

1. Create account form
2. Grid listing all system accounts
3. Details view for each account
4. Create payment form
5. Grid listing all system payments
6. Details view for each payment

Implementation notes:

- The APIs handle any error and return a bad request (Http 400) response with error message, you are required to handle these cases.
- Client-side validation is preferable

Running the API

- You are given a JAVA jar file containing a Spring Boot application which can be run using the following command:
`java -jar payments-system.jar`
- To access the API documentation, a full Swagger documentation is provided at the following URL:
<http://localhost:8080/payments-system/swagger-ui.html>

Technologies

- You will be using Angular 5+ as a UI framework
- You are free to use any third-party library or framework that will make your design better (Angular Material, Bootstrap, etc...)

Delivery

You are expected to provide us a compressed file containing all the source files for your Angular project.

Evaluation Criteria

- The UI design and routes between pages
- Code quality
- Use of proper controls for each field
- Adding client-side filtration on the grid views (optional - extra bonus)
- Have a fake login page (optional - extra bonus)
- Upload your project to a personal Git repository (optional - extra bonus)
- Deployment on cloud platform (optional - extra bonus)