

Team 8 Project Report

Team Members

Αλίκη Χρήστου

Δημήτρης Σώτος

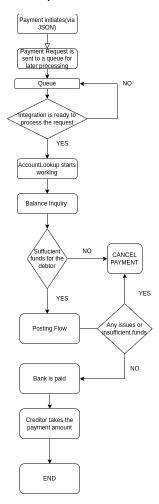
Κωνσταντίνος Τζιρβελάκης

Σάββας Σκουλίδης

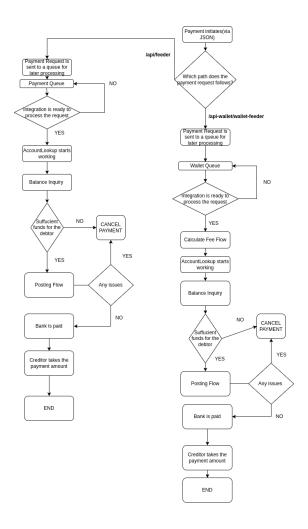
Σοφία Τερζοπούλου

Flow Diagrams

1. Diagram of business flow of the Payment System

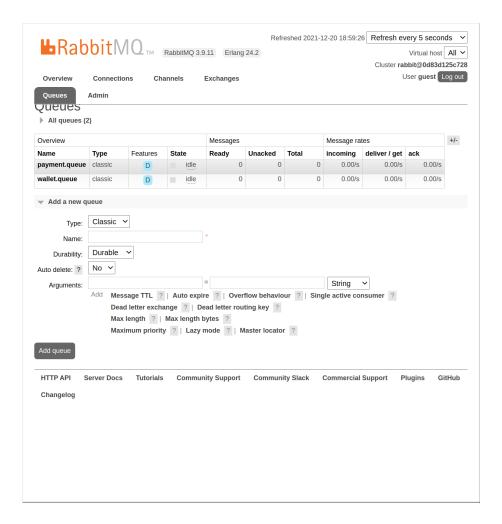


2. Diagram of business flow of the improved Payment System (Normal and Wallet)



RabbitMQ

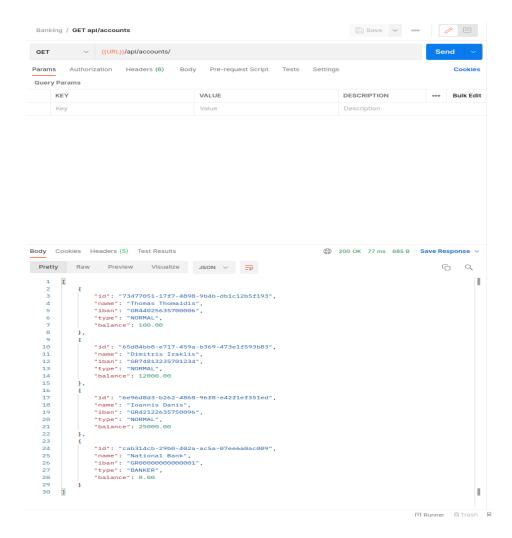
The following image represents the two queues of Normal Payments and Wallet Payments running in RabbitMQ.



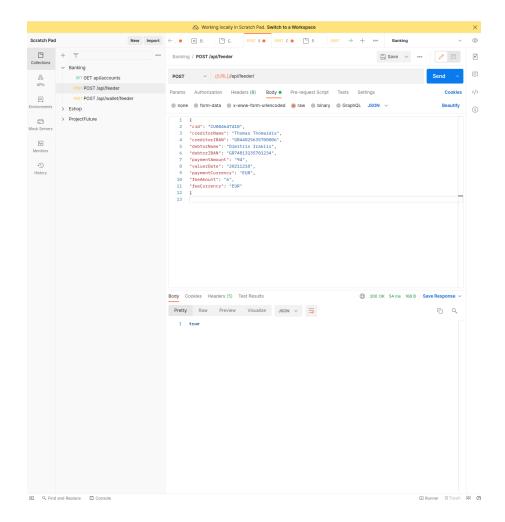
Case Study1: Successful Normal Payment

In the first case study we present a successful normal payment in the transaction system.

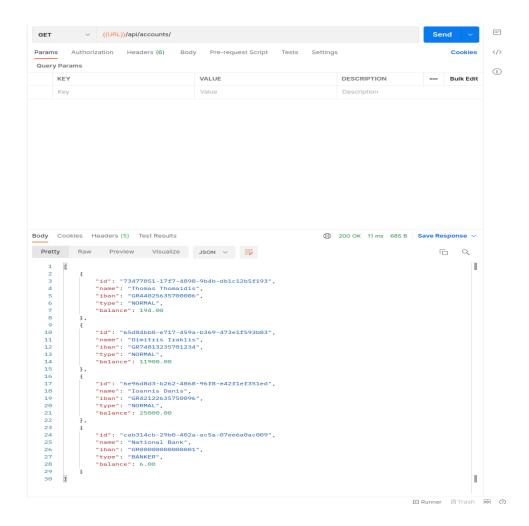
1. Check the accounts before the transaction (Api/accounts/)



2. Send through Postman a post of a simple request for bank transfer via JSON File described below.



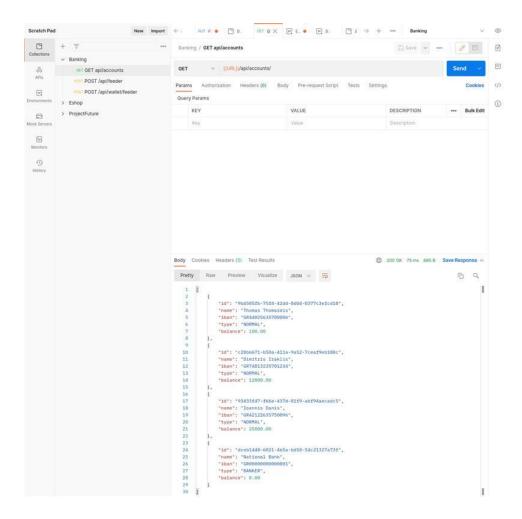
3. The amounts of the bank accounts changed, and the bank received the fee amount as described.



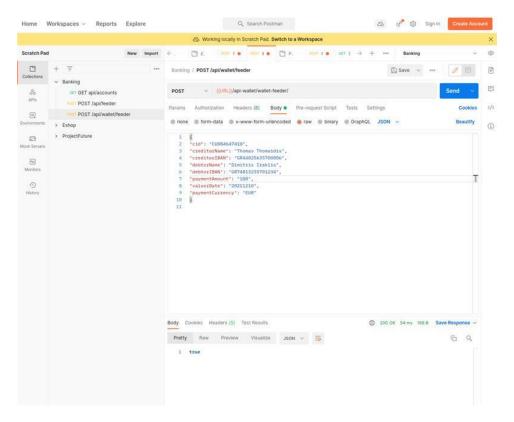
Case Study2: Successful Wallet Payment

In the second case study we present a successful wallet payment in the transaction system.

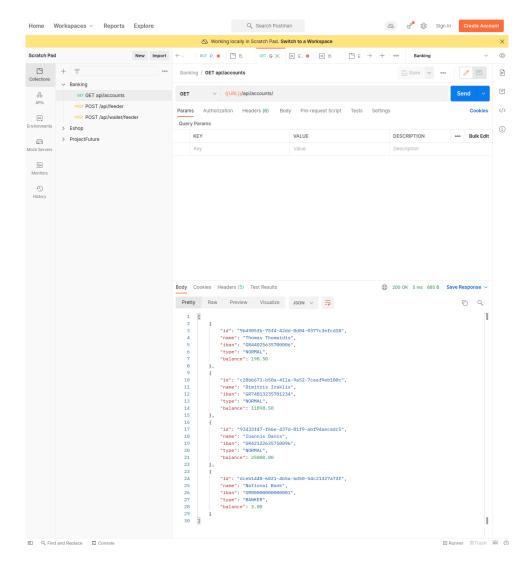
1. Check the accounts before the transaction (Api/accounts/)



2. Send through Postman a post of a simple request for wallet bank transfer via JSON File described below.



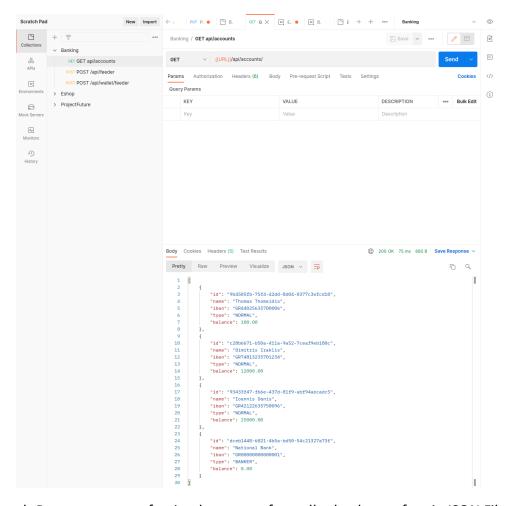
3. The amounts of the bank accounts changed, and the bank received the fee amount as described.



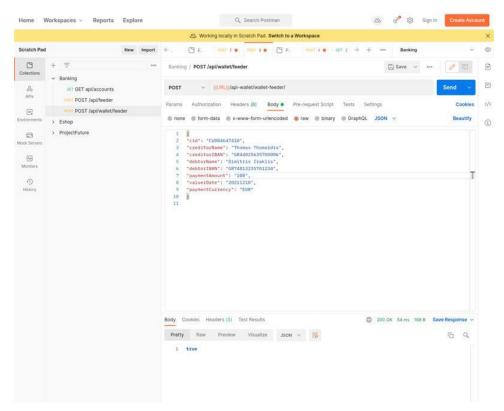
Case Study3: Unsuccessful Wallet Payment

In the first case study we present an unsuccessful normal payment in the transaction system.

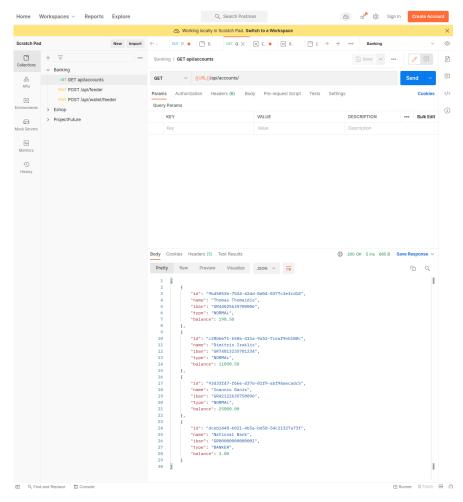
1. Check the accounts before the transaction (Api/accounts/)



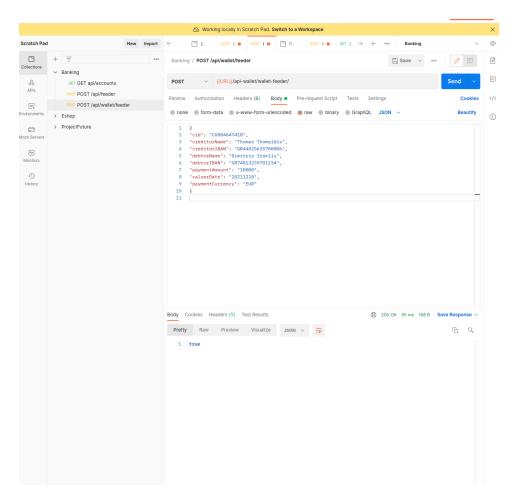
2. Send through Postman a post of a simple request for wallet bank transfer via JSON File described below.



3. In the first case the payment is successful. To confirm this, we check the balances of the accounts.



4. Send through Postman a post of the second request for wallet bank transfer via JSON File described below.



5. In this case the payment is unsuccessful because the creditor balance does not cover the fees. During the execution of the program the following message appears.

