

Banking Application in Java

Iftichi Albert Ioan Călin

User stories

1. As a new client, I want to create a new account so that I can start using the banking services.
Acceptance Criteria: The system should allow new clients to register by providing personal details such as name, address, and contact information.
2. As an existing client, I want to create a savings account so that I can save money and earn interest.
Acceptance Criteria: The system should provide an option for clients to create a savings account, specifying the initial deposit amount.
3. As an existing client, I want to create a current account for my daily transactions.
Acceptance Criteria: The system should provide an option for clients to create a current account, specifying the initial deposit amount if required.
4. As a client, I want to view the details of my cards so that I can manage my finances.
Acceptance Criteria: The system should allow clients to view details of all cards associated with their accounts, including card number, expiry date, and type.
5. As a client, I want to view the card details associated with a specific account so that I can manage account-specific cards.
Acceptance Criteria: The system should provide the ability to view card details associated with a specific account upon entering the account number.
6. As a client, I want to update my address so that my account information remains current.
Acceptance Criteria: The system should allow clients to update their address by providing the new address details and verifying their identity.
7. As a client, I want to close an account that I no longer need so that I can manage my active accounts effectively.
Acceptance Criteria: The system should provide an option for clients to close their accounts after ensuring all dues are settled.
8. As a bank administrator, I want to view all client accounts so that I can manage and monitor account activities.
Acceptance Criteria: The system should provide administrators with a list of all accounts, including client names and account types.
9. As a bank administrator, I want to view all savings accounts so that I can manage the interest payouts and account details.
Acceptance Criteria: The system should allow administrators to filter and view only savings accounts.
10. As a bank administrator, I want to view all current accounts so that I can manage daily transaction accounts effectively.
Acceptance Criteria: The system should allow administrators to filter and view only current accounts.

11. As a bank administrator, I want to view all clients so that I can manage client information and services.

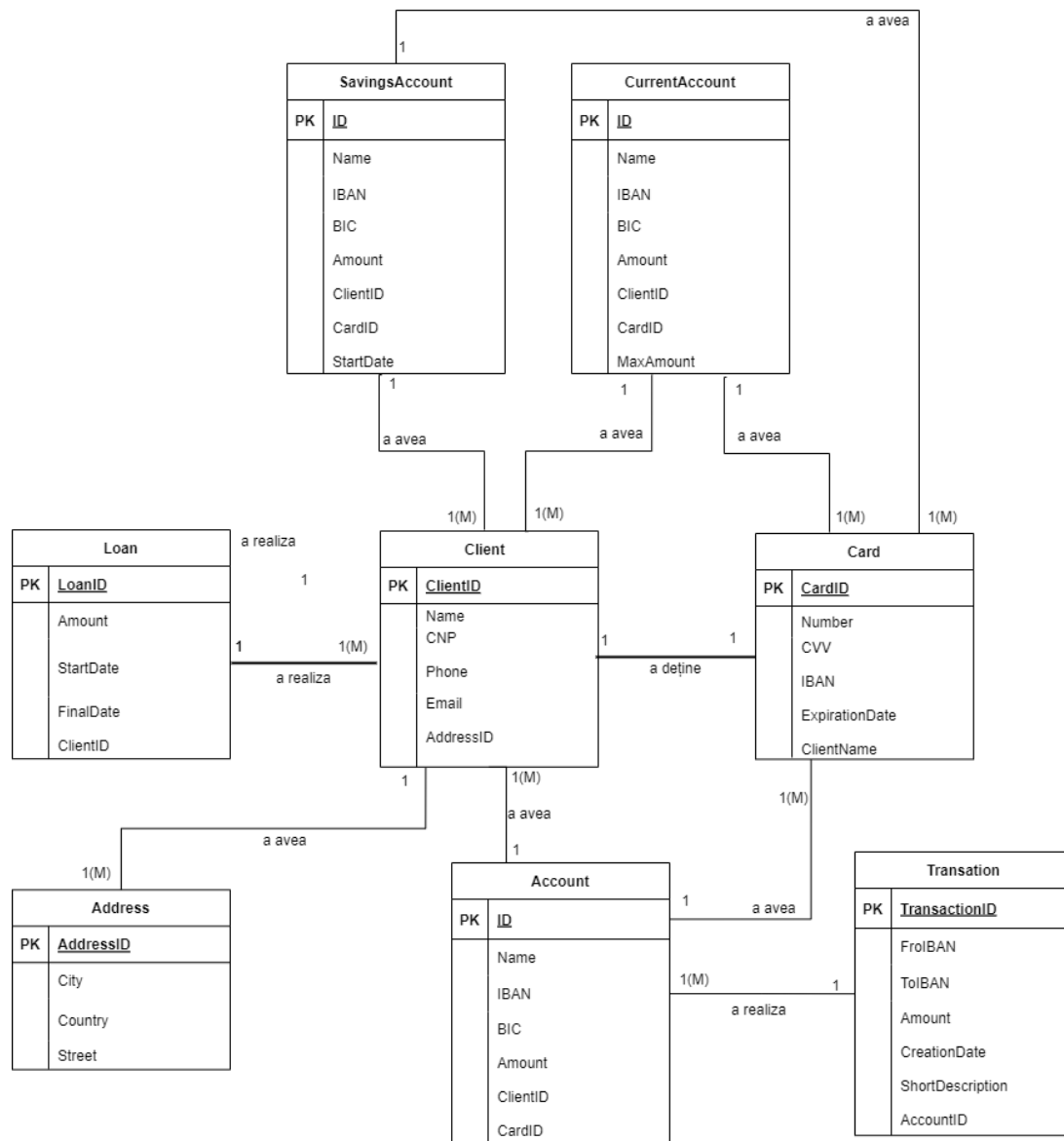
Acceptance Criteria: The system should provide a comprehensive list of all clients, including their personal and account details.

12. As a client, I want to transfer funds between two accounts so that I can manage my finances efficiently.

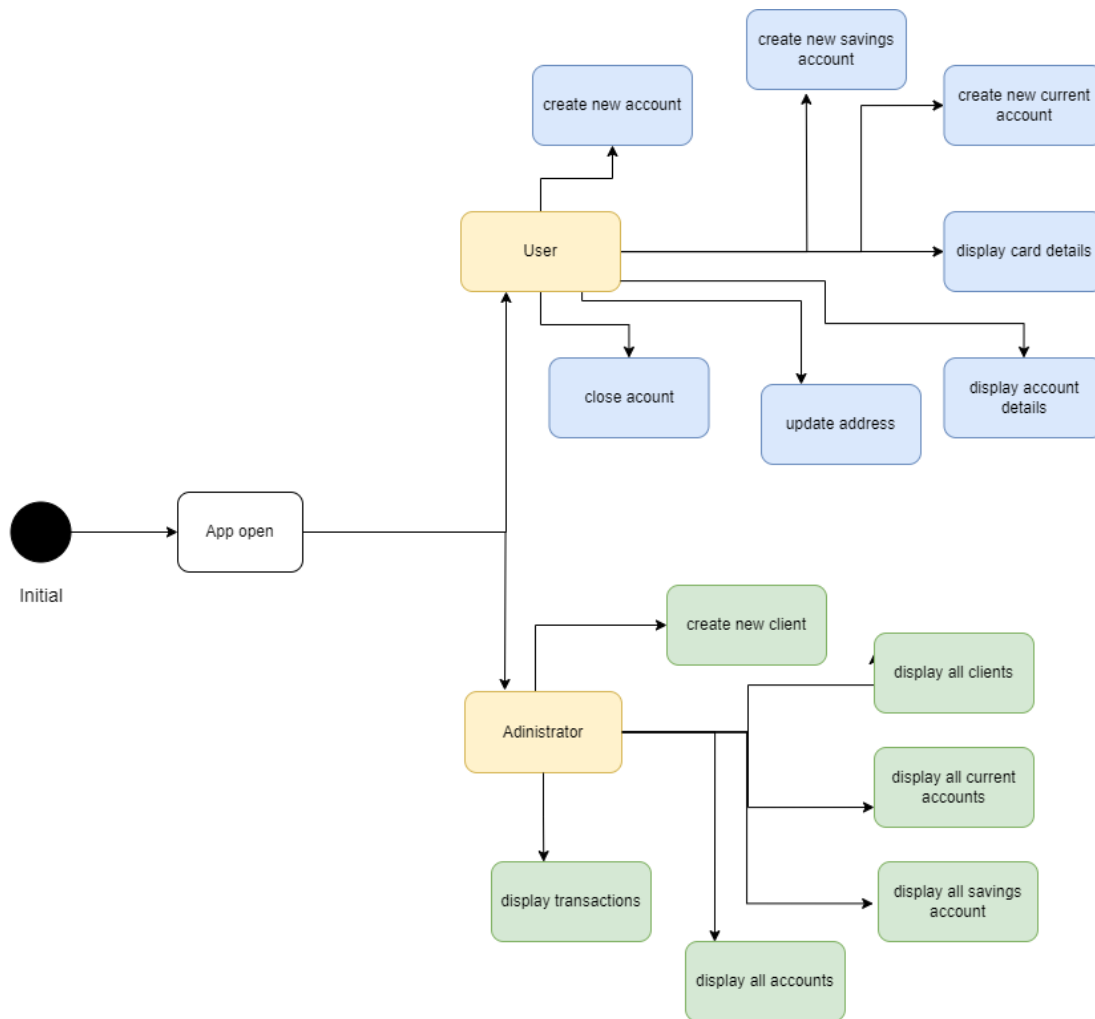
Acceptance Criteria: The system should allow clients to perform transactions between two accounts, specifying the amount and the target account details.

Diagrams

ER Diagram



Work Flow Diagram



AI Tool

ChatGPT - I encountered many errors in my console while working on my project and decided to use ChatGPT for assistance. I chose ChatGPT because it provides quick, reliable, and detailed explanations, helping me understand and resolve issues efficiently. Its vast knowledge base and ability to offer context-specific advice made it an invaluable resource for debugging my code.