Use Case Scenario 1: Transfer Money Between Accounts

Title: Transfer Money Between Accounts

Primary Actor: Customer

Secondary Actor: Bank System

Preconditions:

* The customer must have at least two accounts (e.g., Checking and Savings) with the

bank.

* Sufficient funds must be available in the source account for the transfer.

Main Success Scenario:

1. The customer selects the "Transfer Money" option from the main menu.
2. The system asks the customer to specify the source account (type and account
3. number).
4. The customer enters the account details.
5. The system asks the customer to specify the destination account (type and account
6. number).
7. The customer enters the account details.
8. The system asks the customer for the transfer amount.
9. The customer enters the transfer amount.
10. The system checks if there are sufficient funds in the source account.
11. The transfer is completed, and the system updates both account balances.
12. The transaction is logged as:
13. “[Customer name] transferred $[amount] from [source-account] to [destination-
14. account]. [Source-account] balance: $[new-source-balance]. [Destination-
15. account] balance: $[new-destination-balance].”

Postconditions:

* The transfer is successful, and both accounts are updated accordingly.
* The transaction is appended to the log file.

Extensions:

* If the source account has insufficient funds, the system will display an error message and the transfer will not proceed.

Use Case Scenario 2: Inquire About Account Balance

Title: Inquire About Account Balance

Primary Actor: Customer

Secondary Actor: Bank System

Preconditions:

* The customer must have at least one account with the bank (Checking, Savings, or Credit).

Main Success Scenario:

1. The customer selects the "Inquire Balance" option from the main menu.
2. The system prompts the customer to choose an account type (Checking, Savings, or Credit) and enter the associated account number.
3. The customer provides the account type and number.
4. The system retrieves the balance information for the specified account.
5. The system displays the balance to the customer.
6. The system logs the transaction as:
7. "[Customer name] made a balance inquiry on [account-type]-[account-number]. Balance: $[balance]."

Postconditions:

* The account balance is displayed to the customer.
* The balance inquiry is appended to the log file.

Extensions:

* If the customer enters an invalid account number, the system will display an error message and prompt the customer to enter a valid account number.
* If the customer attempts to access an account they do not own, the system will deny access and display an error message.