

# First Configuration

## Selected features:

- x Operation Limit (5000.00)
- x Detailed Transaction
- x Authentication Mechanism (PIN)
- x Withdraw
- x Transfer (Non Identified)
- x Place Buy Order (Limited)

## Scenario SC01: Withdraw from a current account.

**Description:** This scenario allows a customer to withdraw money from a previously selected account. Note, this scenario might be configured according to the authentication mechanism and the level of details of the transactional concern.

User Action	System Response
The customer selects the withdraw option.	The system creates a new withdrawal and asks for the amount to withdraw.
The customer fills in the amount to withdraw.	The system retrieves the current balance of the selected account.
-	The system verifies that the requested amount is not greater than current balance plus <b>US\$ 5000.00</b> .
-	The system asks the customer to enter her personal identification number.
The customer fills in the personal identification number.	The system authenticates the customer's personal identification number.
-	The transaction handler starts the processing of a transaction.
-	The bank system withdraws the amount from the account.
-	The cash money is provided to the customer.
-	An entry with the transaction information is logged to the overview of the completed transactions of the customers account.
-	The transaction is removed from the transaction queue.

## Scenario 02: Transfer between two accounts.

**Description:** This scenario allows a customer to transfer money from a previously selected account to a destination account. Note, this scenario might be configured according to the authentication mechanism, the level of details of the transactional concern, and the type of the transfer (identified or non-identified).

User Action	System Response
The customer selects the transfer option.	The system asks the customer to inform the destination bank and account.
The customer informs the destination bank and account.	The system asks for the amount to transfer.
The customer fills in the amount to transfer.	The system retrieves the current balance of the

	selected account.
-	The system verifies that the requested amount is not greater than current balance plus <b>US\$ 5000.00</b> .
-	The system asks the customer to enter her personal identification number.
The customer fills in the personal identification number.	The system authenticates the customer's personal identification number.
-	The transaction handler starts the processing of a transaction.
-	The bank system withdraws the transfer amount from the originating account.
-	The bank system requests a transfer from the bank's own account to the account of the bank of the destination account.
-	An entry with the transaction information is logged to the overview of the completed transactions of the customers account.
-	The transaction is removed from the transaction queue.

**Scenario03:** Place a *buy order* for a stock.

**Description:** This scenarios allows a customer to buy stocks. It might be configured according to the type of the order (directed or limited) and the authentication mechanism.

User Action	System Response
The customer selects to place a <b>Limited Order</b> on a stock.	The system asks for the stock code (ISIN).
The customer gives the ISIN code.	The system verifies that the ISIN code is valid.
-	The system asks for the amount of stocks involved.
The customer gives the amount.	The system verifies that the requested amount of stocks is valid.
	The system asks for the limited price involved.
The customer gives the limited price.	The system verifies that the requested limited price is valid.
-	The system asks the customer to enter her personal identification number.
The customer fills in the personal identification number.	The system authenticates the customer's personal identification number.
-	The system creates a new pending order and sends it to the stock market.
-	The stock market confirms the receipt of the order.
-	The bank system adds the order to the pending orders of the account.
-	The bank system notifies the actor.

## Second Configuration

### Selected features:

- x Operation Limit (1000)
- x Not (Detailed Transaction)
- x Authentication Mechanism (Fingerprint)
- x Withdraw
- x Transfer (Identified)
- x Place Buy Order (Direct)

**Scenario SC01:** Withdraw from a current account.

**Description:** This scenario allows a customer to withdraw money from a previously selected account. Note, this scenario might be configured according to the authentication mechanism and the level of details of the transactional concern.

User Action	System Response
The customer starts a withdrawal	The system creates a new withdrawal and asks for the amount to withdraw.
The customer enters the amount to withdraw.	The system retrieves the current balance of the selected account.
-	The system verifies that the requested amount is not greater than current balance plus <b>U\$ 1000.00</b> .
-	The system asks the customer to put her finger in the fingerprint reader.
The customer puts her finger in the fingerprint reader device.	The system authenticates the customer, according to the comparison of the captured fingerprint data.
-	The bank system withdraws the amount from the account.
-	The cash money is provided to the customer.

**Scenario 02:** Transfer between two accounts.

**Description:** This scenario allows a customer to transfer money from a previously selected account to a destination account. Note, this scenario might be configured according to the authentication mechanism, the level of details of the transactional concern, and the type of the transfer (identified or non-identified).

User Action	System Response
The customer selects the transfer option.	The system asks the customer to inform the destination bank and account.
The customer informs the destination bank and account.	The system asks the customer to provide the identity of the destination account owner.
The customer informs the social security number (SSN) of the destination account owner.	The system retrieves personal data from the informed SSN.
-	The system shows the personal data, allowing the customer to cancel the transfer.
-	The system asks for the amount to transfer.
The customer fills in the amount to transfer.	The system retrieves the current balance of the selected account.
-	The system verifies that the requested amount is not greater than current balance plus <b>U\$ 1000.00</b> .

-	The system asks the customer to put her finger in the fingerprint reader.
The customer puts her finger in the fingerprint reader device.	The system authenticates the customer', according to the comparison of the captured fingerprint data.
-	The bank system withdraws the transfer amount from the originating account.
-	The bank system requests a transfer from the bank's own account to the account of the bank of the destination account.

**Scenario03:** Place a *buy order* for a stock.

**Description:** This scenarios allows a customer to buy stocks. It might be configured according to the type of the order (directed or limited) and the authentication mechanism.

User Action	System Response
The customer selects to place a <b>Direct Order</b> on a stock.	The system asks for the stock code (ISIN).
The customer gives the ISIN code.	The system verifies that the ISIN code is valid.
-	The system asks for the amount of stocks involved.
The customer gives the amount.	The system verifies that the requested amount of stocks is valid.
-	The system asks the customer to enter her personal identification number.
The customer fills in the personal identification number.	The system authenticates the customer's personal identification number.
-	The system creates a new pending order and sends it to the stock market.
-	The stock market confirms the receipt of the order.
-	The bank system adds the order to the pending orders of the account.
-	The bank system notifies the actor.