

3.2.1 Login (include UC 3.2.2 ValidateAccountNumber and UC 3.2.3 ValidatePin)

Priority: 1

Brief Description: The user inputs login information and the system checks validity

Actors: Account Holder, System

Triggers: Inserting Card, NFC Card, Entering Account Number

Flow of Events:

Basic Flow – Login:

1. The use case starts when the user provides an account number
2. Include (UC 3.2.2 ValidateAccountNumber)
3. While System does not validate account number.
 - 3.1. Prompt to user that the account does not exist.
 - 3.2. User must input a new number to be checked.
 - 3.3. Include (UC 3.2.2 ValidateAccountNumber)
4. Else Switch to PIN entering window
5. Include (UC 3.2.3 ValidatePIN)
6. While System does not validate account PIN and tries are less than 3.
 - 6.1. Prompt to user that the account PIN is invalid.
 - 6.2. User must input a new PIN to be checked.
 - 6.3. Include (UC 3.2.3 ValidatePin)

Alternative Flow:

1. User presses 'exit' button (UC 3.2.4 Exit)

Special Requirements: The card number has to be 16 digits; PIN must be 4 digits long

Preconditions: Application must be running

Postconditions:

Success Postconditions:

1. Account is verified and open to ATM specific actions.

Failure Postconditions:

1. Account is not verified, therefore system goes back to log in.

Extension Points: none