Actor

1: Enter a user name
2: Enter a password
3: click on the login button

Login page

8: Display error

4: send data info

Data base

5: valid data
7: invalid data

6: Redirection

Home page

Customer

1: service request

User Interface

10: display accountInfo()

8: notification sent

2: requestAccountDetails()

9: account details

Account Manager

3: verify_auth()

5: retrieveUserProfile()

4: return auth_result

6: data returned

7: sendNotification(accountDetails)

Database

Notification System

```
                          ┌──────────┐
                          │   User   │
                          └──────────┘
                               │
                               │ 1: log out
                               ▼
                    ┌────────────────────┐
                    │      Log out       │
                    └────────────────────┘
                   ╱          ▲          ╲
          2: end session      │       4: Redirection
                 ╱            │            ╲
                │   3: session terminated   │
                ▼            │              ▼
    ┌────────────────────┐   │   ┌────────────────────┐
    │  Session Service   │   │   │      Sign up       │
    │                    │   │   │                    │
    └────────────────────┘   │   └────────────────────┘
```

User

1: Enter card
7: Enter PIN
6: Ask for PIN
12: Access granted
14: Return card

App

2: Verify card
8: Submit PIN
5: Request PIN
11: Show account
13: Reject card

System

3: Check card
9: Verify PIN
4: Card result
10: PIN result

Database

Customer

Bank System

Withdrawal Page

1: Send verification code

2: Enter code

3: Verify code

4a: Code valid

4b: Code invalid

5a: Request withdrawal amount

5b: Display error

1: Request withdrawal

3: Input data

4: Check balance & process

5: Verify account balance

2: Enter amount

Customer	Withdrawal Page	Bank System	Database

8a: Approve withdrawal

6a: Confirm sufficient funds

7a: Update balance

9a: Dispense cash

7b: Decline withdrawal

6b: Report insufficient funds

10a: Show receipt

8b: Display insufficient funds message

1: Request transfer to wallet

3: Enter mobile number

4: Verify mobile number

5: Verify mobile number

2: Request mobile number

7a: Number validated

6a: Number validated

Customer

Banking App

Bank System

Database

8a: Request amount

7b: Invalid number

6b: Invalid number

8b: Display error message