Client-Teller Sequence

Participants: **Client**, **Teller**, **User Interface**, **Bank System**

- User Interface - - → Teller: Ask for username
- Teller → User Interface: Enters Teller's username
- User Interface → Bank System: Verify Username
- Bank System - - → User Interface: password requested
- User Interface - - → Teller: "Enter password"
- Teller → User Interface: Enters Teller's Password
- User Interface → Bank System: Verify Password
- Bank System - - → User Interface: Password Verified
- User Interface - - → Teller: show Options
- Teller - - → Client: "How can I help you"
- Client → Teller: request affer
- Teller → User Interface: selected Option
- Teller - - → Client: "How can I help you?"
- Client → Teller: process request

Alt

[option = open existing]
- Teller - - → Client: Swipe Card Please
- Client → User Interface: Swiped Card
- User Interface → Bank System: Verify Account
- Bank System - - → User Interface: pin requested
- User Interface - - → Client: Please Enter Pin
- Client → User Interface: Pin Entered
- User Interface → Bank System: Verify Pin
- Bank System - - → User Interface: Pin Verified
- User Interface - - → Teller: show Account Options
- Teller → User Interface: selected Account Option

Alt

[Account Option = deposit]
- Teller - - → Client: Which account?
- Client → Teller: Select Account
- Teller → User Interface: selected Account
- User Interface → Bank System: Account selected
- Bank System - - → User Interface: Balance sent
- User Interface - - → Teller: Enter Amount
- Teller - - → Client: "How much"
- Client → Teller: Give Teller check or money
- Teller → User Interface: Entered Amount Add
- User Interface → Bank System: Update Balance
- Bank System - - → User Interface: Balance updated
- User Interface - - → Teller: Task completed

[Account Option = Withdrawal]
- Teller - - → Client: Which account?
- Client → Teller: Select Account
- Teller → User Interface: selected Account
- User Interface → Bank System: Account selected
- Bank System - - → User Interface: Balance sent
- User Interface - - → Teller: Enter Amount
- Teller - - → Client: "How much"
- Teller → User Interface: Entered Amount Add

Alt

[Balance < Amount]
- User Interface - - → Teller: Not Enough funds
- Teller - - → Client: Don't have funds
- User Interface - - → Teller: Task completed

[Balance > Amount]
- User Interface - - → Teller: Approved
- User Interface → Bank System: Update Balance
- Teller - - → Client: Money is given
- Client → Teller: Client take money
- Bank System - - → User Interface: Balance updated
- User Interface - - → Teller: Task completed

[Account Option = Transfer]
- Teller - - → Client: From account?

Select Account From →
selected Account From →
Account From selected →
← - - - - "How much" - - - - ← - - - - Enter Amount - - - - ← - - - Balance sent - - - -
Give Amount →
← - - - to Which account? - - - -
selected Account To →
Account To selected →
Select Account To →
Entered Amount Add →
Update both →
← - - - - - Balances updated - - - - -
← - - - - - - - Task completed - - - - - - - - -

[Account option = exit]

← - - - - - - Want to exit Account - - - - - - -
Enter response →
Closing Acess →
← - - - - - - - - - - Closed - - - - - - - - - - -
← - - - - - - - Account closed - - - - - - - - -

[option = Create Account]

← - - - - - - Personal data? - - - - - - -
Give data →
inputs data →
creates New account →
← - - - - - - request new pin - - - - - -
← - - - - - - - - - - - - Enter new pin -
Pin Entered →
Saves pin →
← - - - Gives account number - - -
← - - - - - - - - Create debit Card - - - - - - - -
created card →
← - - - - - - gives card - - - - - - -
takes debit card →

[option = Quit]

← - - - - - - - - - Want to quit? - - - - - - - - -
Enter response →
logging off Teller →
← - - - - - - - Logged off - - - - - - - -
← - - - - - - - - - - "Quitting..." - - - - - - - - -