

Use Cases:

User wants to create new account

Check whether username exists

-> if doesn't, create new account

-> if does, error and ask to login

User wants to login

Checks to see if username exists

-> if does, login successfully

-> if doesn't, ask to create new account

User wants to deposit or withdraw money from account

-> add deposit to balance

User wants to see current balance of account

-> return balance, starting balance: 0

User wants to see transactions

-> list out given transactions for that session at bank

Future Enhancements:

Add account number associated with username

- Value added: security

Add password or two step authentication for login

- Value added: security

Record transaction history to last longer than console session for each username

- Value added: database efficiency

Add username or password requirements

- Value added: security

Not allow overdraft, error if insufficient funds when withdrawing

- Value added: customer satisfaction

Additional components to gain revenue/add user satisfaction:

Email user email receipt after logging out

Ask if user wants to learn about loan options

Transfer money between different accounts (internal and external)