**Initiate session**

**Use Case:** Initiate session

**Summary:** The ATM establishes the identity of the user and makes available a list of accounts and actions.

**Actors:** Bank, Consortium, Customer

**Precondition:** The ATM is waiting for insertion of cash card.

**Description:** In the initial session, the ATM system verifies the identity of user by taking cash card. If the identity is proved then the system keeps the card otherwise it returns the cash card.

**Exceptions:**

* *Wrong password*: If the user enters the wrong password then he/she will not able to access his/her account.

**Postconditions:** After inserting the card, the person proceed to withdraw money from ATM.

**Query account**

**Use Case:** Query account

**Summary:** The system provides general data for an account, such as the current balance, date of last transaction, and date of mailing for last statement.

**Actors:** Bank, Consortium, Customer

**Precondition:** The ATM machine is waiting for customer’s request for account data.

**Description:** The system provides the data such as the current balance, date of last transaction and date of last mailing for last statement. The customer request for account data and the system delivers the account data to the customer in this account.

**Postconditions:** The ATM machine is displaying the account data of the customer.

**Process transaction**

**Use Case:** process transaction

**Summary:** The ATM system performs an action that affects an account’s balance, such as deposit, withdraw, and transfer. The ATM ensures that all completed transactions are ultimately written to the bank’s database.

**Actors:** Bank, Consortium, Customer

**Precondition:** The ATM machine is waiting for customer’s initiation of transaction.

**Description:** The system performs the actions like deposit, withdraw and transfer. The ATM ensures that all completed transactions are written to the bank’s database. The initial event is customer starting the transaction. There are two final events: committing or aborting the transaction.

**Exceptions:**

* *Insufficient money*: If customer withdraw money more than his/her account posses.

**Postconditions:** The ATM machine dispatching the money.

**Transmit data**

**Use Case:** Transmit data

**Summary:** The ATM uses the consortium’s facilities to communicate with the appropriate bank computers.

**Actors:** Bank, Consortium

**Precondition:** The ATM machine is recovering from a network, power, or another kind of failure.

**Description:** In this use case the initial event is recovery from a network, power or another kind of failure. The final event is successful transmission of data.

**Exceptions:**

* *Failure*: Any kind of network or power failure.

**Postconditions:** Transmission of data successfully.