

### **A. Withdraw Money**

- Description: Customer withdraws money from their checking account
- Actors: Customer, database
- Pre-condition: Customer tells system their ID to be able to access their accounts.
- Trigger-condition: Customer tells system they want to withdraw money
- Flow of Events:
  1. Customer requests to make a transaction on their account
  2. System asks which kind of transaction
  3. Customer picks withdraw money and chooses amount to withdraw
  4. System checks if its a valid amount with the database, and it approves the transaction
  5. The transaction is logged and stored by the database, and the customer has withdrawn money.

### **B. Inquire Balance**

- Description: Bank manager inquires about a customer's account balance.
- Actors: Bank manager
- Pre-condition: System asks and confirms that the user is a bank manager.
- Trigger-condition: Bank manager tells system they want to inquire about a customer's account balance.
- Flow of Events:
  1. System asks Bank Manager the method of inquiring (by name or number)
  2. The Bank Manager chooses by number, inputting the customer's ID
  3. System asks which customer's account the Bank Manager wants to inquire about
  4. Bank Manager puts saving account
  5. System lists the customer's saving account balance

### **C. Create User**

- Description: A new customer wants to create a new account at the bank
- Actors: Customer
- Pre-condition: None
- Trigger-condition: Customer tells system they want to be added to it
- Flow of Events:
  1. Customer tells system they want to create a new user
  2. System asks for the customer's name, DOB, address, city, state, zip, and phone number
  3. Customer gives the system their personal information
  4. The system gives the customer a saving, checking, and credit card account, giving them a generated ID number, account numbers, and credit limit.

#### **D. Transaction Reader**

- Description: Bank Manager wants to handle transactions from Transactions.csv.
- Actors: Bank Manager
- Pre-condition: System asked and confirmed the user is a bank manager.
- Trigger-condition: Bank Manager asks the system to handle transactions.
- Flow of Events:
  1. The Bank Manager asks the system to handle transactions
  2. The System gives the Bank Manager the transactions from input file Transactions.csv
  3. The Bank Manager sees that Mickey Mouse paid 100 dollars to Donald Duck's checking account, from his own checking account.
  4. The Bank Manager approves of the transaction, and the system calls the appropriate methods to complete the transaction.