*Class responsibilities for BankAccount class:*

* Know
  + First name
  + Last name
  + Account number
  + Initial balance
  + Overdraft number
  + Transactions
* Do
  + Accessor Methods for all instance variables
  + Mutator methods for all mutable instance variables
  + Print account information
  + Print transactions
  + Deposit money
  + Withdraw money
  + Transfer money
  + Add interest

**Class Definitions**

Class Name: BankAccount

Data:

firstName string- first name of the account (1-25 characters, no special)

lastName string- last name of the account (1-40 characters, no special)

initialBalance float- amount of the initial amount into a new account

accountNum int- account number starting at 1000 and incrementing with each new account

overdrawNum int – number of times an overdraft has occurred (starts at 0)

Queries (Accessor):

getBalance() returns balance of the account

getOverdraftNum() returns overdraft num

getFirstName() returns first name

getLastName() returns last name

Commands (Mutator):

deposit (amount) deposits money into account

withdraw(amount) checks to see if money is available to withdraw, gives an overdraft fee or withdraw cancellation if insufficient funds are left.

transfer (otherAccount, amount) attempts a withdraw from one account and deposits it into another account.

addInterest() adds interest to the bank account

setFirst() sets first name of the bank account

setLast() sets last name of the bank account

printAccount() prints the first name, last name, account number, and balance

printTransactions() prints all of the transactions for the account

**Class Specifications**

Class Name: BankAccount()

firstName string- first name of the account (1-25 characters, no special)

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initialBalance float- amount of the initial amount into a new account

accountNum int- account number starting at 1000 and incrementing with each new account

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