*Class responsibilities for Transaction class:*

* Know
  + day
  + month
  + year
  + amount
  + transaction number
  + the next transaction number
  + the type of transaction
* Do
  + Accessor Methods for all instance variables
  + Mutator methods for all mutable instance variables
  + Print details about the transaction
  + Gets the transaction date from the system

**Class Definitions**

Class Name: Transaction

Data:

Day int – day of the month (1-31)

month int – month of the year (1-12)

year int – year (>=2023)

amount float – amount of the transaction

transaction number int – number of the transaction

next transaction number int – the next available transaction number (starts at 100)

transaction type string / int – the type of transaction (can be 1-5 or spelt out as a string)

Queries (Accessor):

getDate() returns the system date

getAmount() returns the amount of the transaction

getTNumber() returns the transaction number

getTType() returns the type of the transaction

Commands (Mutator):

setTType() sets the transaction type if none were given

setAmount() sets the amount of the transaction and continues to prompt user if invalid amount

setDate() sets the date to the system date if no date was given

**Class Specifications**

Class Name: Transaction()

tType string / int – intended type of transaction (can be int or string)

amount float – the desired amount of the transaction (must be over 0)

date 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)