

Back Office

Back Office.java

Main(String[]args)

Reads in the Master accounts file (args[0]) and Transaction Summary file (args[1]) into ArrayList<String[]>, performs each transaction of the Transaction Summary File on the Master Accounts file, and create an updated Master accounts file and Valid accounts file (for the front end to use)

createArrayListFromFile(String filename)

Returns a new ArrayList<String[]> where the ith element corresponds to the ith line of the file "filename"

writeToFile(String master, String valids)

Creates the new Master Accounts file and Valid Accounts file with the updated information about each account, with names represented by "master" and "valids" respectively

sortInAscending
(ArrayList<String[]> accounts, int current, int last){

Sorts the given ArrayList<String[]>. Return a new sorted version of "accounts"

Transactions.java

getAccountIndex(String account)

Return the index of "account" in the master Accounts ArrayList. If "account" does not exist, returns -1

public void completeTransaction
(String[]currentTransaction)
Function that will be overloaded by each Transaction's respective class

Shared.java

Contains two ArrayList<String[]> which will store each line of the Master Accounts file and the Summary Transaction file, respectively

tokenize (String delimited)

Reads each line and separates each piece of info in the transaction codes from the Master Accounts File and stores each in an ArrayList object of 3 element arrays

Create.java

completeTransaction
(String[]currentTransaction)

Perform the transaction provided on the Master Accounts ArrayList.

Delete.java

completeTransaction
(String[]currentTransaction)

Perform the transaction provided on the Master Accounts ArrayList.

Deposit.java

completeTransaction
(String[]currentTransaction)

Perform the transaction provided on the Master Accounts ArrayList.

Withdraw.java

completeTransaction
(String[]currentTransaction)

Perform the transaction provided on the Master Accounts ArrayList.

Transfer.java

completeTransaction
(String[]currentTransaction)

Perform the transaction provided on the Master Accounts ArrayList.