



Assignment 2

Consider a bank teller who's responsible for account transactions up to 20 bank customers. You'll be required to enter actions on account in last month (max 10 transactions). Transactions will be either withdraw (with W letter) or Deposit (with D letter). At first you'll enter a customer name, address and transactions.

- **Address should follow the format number, street name, neighborhood, city. And if user entered incorrectly he/she have to re-enter again.**
- **Entered transaction should be valid (no negative transactions). And if one of the transactions was wrong, user needs to re-enter the invalid transaction**

As following example:

Example 1:

Please enter name of first customer

Ahmed

Please enter address

5 Orman street, Dokki, Giza

Please enter Ahmed's account transactions

W 250 D 1000 D 1500 D 2500 W 1250

Example 2:

Please enter name of first customer

Ahmed

Please enter address

5 Orman street, Dokki, Giza

Please enter Ahmed's account transactions

W 250 D 1000 D -1500

Please enter valid transaction:

D 1500



And then main screen will be shown. You'll have main screen to show options for program, the options will be as follows:

- 1) To print all names and account balances
- 2) To print specific customer's account balance
- 3) To edit customer transactions
- 4) To show customer with highest balance
- 5) To change customer's name, transactions, balance, or address
- 6) To show how many customers in one city

Example:

Hello in bank management system please enter your choice

- 1) To print all names and account balances
- 2) To print specific customer's account balance
- 3) To edit customer transactions
- 4) To show customer with highest balance
- 5) To change customer's name, transactions, balance, or address
- 6) To show how many customers in one city

3

Please enter name of customer you want to edit

Ali

Please enter Ali's account transactions

W 250 D 100 D 1300



Cairo University
Faculty of Computers & Information
Prof. Abeer ElKorany
Dr.Soha Makady

Computer science department
Structural programming course
First Year
2018/2019

Notes:

1. In case if there's 2 or more customers have same account balance so print any one when getting the highest account balance.
2. Code is written once but being read many times. Your code should be clean, divided into functions, and you should follow naming conventions of variables and functions.



Delivery notes

1. This is a group assignment of 2 members (at most) and the members should be from the same lab i.e. G1&G2 can work together.
2. Both students should work and fully understand everything in the code.
3. Due date is on Thursday April 25th at 11:59 pm.
4. No late submission is allowed.
5. Submission will be through the Acadox: <http://www.acadox.com/class/45906>
6. No submission through e-mails.
7. you will develop a .cpp file that should include a block comment containing students IDs and names, this file should be named assign2.cpp then put this file in a folder named Prog1_SecondAssignment_firstStudentID&SecondStudentID and compress them to a .zip file with the same folder name. The compressed file would be the file to be delivered.
8. **Failing to abide by the naming conventions of the file, would result in a ZERO for both team members.**
9. For students who do their assignments on shared machines (e.g., on the FCI labs' machines or the students' residence machines), please make sure to permanently delete your files from the shared machines after you finish your work, so that no other student would take your files and submit it under their names.
10. **In case of Cheating if the assignment is from (N) marks then the one who have committed cheating will get (– N).**