



Computer Science Department

COMP1331 (Second Semester2022- 2023)

Project Phase One Due Date: Monday (12/06/2023) on Ritaj

In order to let **ABC** Bank to serve its customers, each group (two students) will have to build an **Account management system** for **ABC** Bank. Each account will have an ID (*four digit integer*), Holder Name(*String*),Phone Number(*long*), Account type(*(char) s:saving, o:others*) and a balance (*double*). When the program starts, it will load existing accounts information from a text file and when the program exits, it will save all changes made while running the program to that same file.

After the Account information is loaded from the file (***In this phase all you need to do is just print a message that the Account information is loaded, but you don't really open any files or load anything***) , the program will display the following main menu to the user:

Please Select an Operation (1-8):

1- Add Account

2- View All Accounts

3- Add Amount

4- Withdraw Amount

5- View Account Details

6- Modify Account

7- Close an Account

8- Exit

This menu will keep showing after each time a user selects an operation and that operation is performed. When the user selects operation 4 (exit system), the program will load all changes (updates) to the file (***In this phase all you need to do is just print a message that the Account information is updated, but you don't really open any files or update anything***) and will then exit.

Your program should at least contain the following methods

distributed among 3 different classes Account,Bank and Driver:

void displayMainMenu();	// displays the main menu shown above
void displayAccounts();	//displays all the Accounts details
void addAccount();	// adds information for a new account
void closeAccount();	// removes information of old account
void viewAccountDetails();	// searches for a certain account details
void modifyAccountDetails();	//modifies a certain account details
void addAmount();	//increases the balance variable.
void withdrawAmount();	//decreases the balance variable.
void uploadDataFile();	// uploads account data from file
void updateDataFile();	// saves account data updates to file

For this phase those methods with red colors are just void methods that will mostly contain *System.out.println* statements just to print what they are supposed to do. In later phases, the prototypes of these methods will change and the methods will do more.

Methods with black color should be implemented in this phase.

Items that should be turned in by each group on Ritaj:

- 1. A soft copy of all your . java files.***
- 2. a complete run screenshots.***