

Banking System

Introduction:

One of the central government banks performs the day-to-day transaction manually which makes it difficult to maintain the records. So, it needs an automated system to do credit/debit of the transactions of the bank.

Application features:

Create a console-based application to execute the following tasks:

1. Add customer details (account no, cust_name, dob, phone number, address, type_of_account, bal).
2. Add deposit details (deposit_no, type_of_dep, term, rate_of_int, amount)
3. Add account of customer details (account_type, min_bal, cur_bal)
4. View customer details
 1. Search based on account number (first sort using any of the sorting techniques and then implement using binary search)
5. View deposit details
 1. Search based on deposit number
6. Credit/Debit process:
 - a. To check the availability of the account by account number.
 - b. Perform credit based on account number.
 - c. Perform debit based on the min_bal of the customer.

Implementation details:

1. Use different files to store the details of accounts, customer and deposit.
2. Follow the modular approach.

Evaluation parameters		
Evaluation Component	Max. Score [20]	Remarks
Implementation of given tasks/features	7	
Usage of array, sorting, searching, and linked list <optional>	5	Linked list is optional, students can decide.
Implementation of file Handling	5	
Coding Practices and uniqueness of the solution	3	

Submission details:

1. Each group should submit one solution (zip file) covering the following:

1. A word document with code and screen capture of output showcasing all options.
2. An executable source code (.c) file.
3. Readme file covering instructions/notes [if any].

Note:

1. Multiple submissions are not allowed.
2. If two groups' solutions are identical/similar, both groups' submissions are considered invalid, and both groups will get zero marks.