**CSE 115L: Term Project Sample**

**Example project: Bank Management System**

For this term project, the information of all the accounts must be stored in a text file (**masterfile.txt**) whose format can be as follows:

Name AccountNo AccountType Balance

**masterfile.txt**

|  |
| --- |
| 3  John 112 Current 10000  Rony113 Savings 20000  Smith 114 Current 9000 |

The first line contains the ***total number of records*** (here, 3 in the first line of the example).

You must use C structure which may include the following fields:

struct Account {

char name[50];

int acctno;

char type[20];

double balance;

};

You are free to add more fields required for your program.

When the project starts, a menu should be displayed as follows:

1. Add new Account
2. Edit Existing Account
3. Delete an Account
4. Find Total balance of all accounts
5. Display Max balance holder
6. Display Min balance holder
7. Display average of balances
8. Exit

* The operations should be written as functions which are called when the corresponding option is selected.
* The program keeps running until Exit (option 8) is chosen. For example, if option 1 is chosen, after adding a new account the menu is displayed again and so on until 8 is chosen.
* When 8 is chosen the program exits after displaying a “Thank You” message.

**Examples of similar projects**

You have the option to implement any of the following three systems (if you decide not to implement bank management system):

* Library management system
* Student record system
* Employee record system

Requirements

* Text file must be used for keeping records of the accounts / clients.
* More than one text file may be used according to your requirement.
* Your program should **perform at least 10 tasks**. You may add more options to your program.
* Program should continue running until exit option is chosen.

**Submission of the term project:**

The term project carries 20% weight of the total marks for CSE 115L. You are required to submit the following:

1. **Soft copy** submission and viva (90%)

2. **Hard copy** submission (10%)