

Explanation of Project

This is a project developed by Abhishek Dwivedi as **mini project in C bank management system** during my first semester.

In this program, you can create a new account, update information of an existing account, view and manage transactions, check the details of an existing account, remove existing account and view customers' list.

Overall, with this project, you can perform banking activities like in a REAL bank. **Bank management mini project** in C is a console application without graphics. It is compiled in Code: Blocks with gcc compiler.

Functions used in Bank Management System:

I have divided this C mini project into many functions, most of which are related to different banking activities. Listed below are some of the more important functions which may help you understand the project better.

menu() – This function displays the menu or welcome screen to perform different banking activities mentioned below.

new_acc() – This function creates a new account. It asks for some personal and banking details of the customer such as name, date of birth, Aadhar card number, address and phone number. You can enter the amount to deposit and choose one type of deposit account – saving, current.

view list() – With this function, you can view the customer's banking information such as account number, name, address and phone number provided while creating the account.

edit() – This function has been used for changing the address and phone number of a particular customer account.

transact() – With this function, you can deposit and withdraw money from a particular customer account.

erase() – This function is for deleting a customer account.

see() – This function shows account number, name, date of birth, Aadhar card number, age, address, phone number, type of account, amount deposited and date of deposit. It also displays the amount of interest corresponding to a particular account type.

In this bank management system project in C, file handling has been used for almost all functions. File has been used to store data related to new account, transaction, editing of account information and viewing of account information. I haven't used file handling for the menu, interest calculation

Working

1. First the program goes to menu function where the user is given options to choose from: -
 - 1.Create new account
 - 2.Update information of existing account
 - 3.For transactions
 - 4.Check the details of existing account
 - 5.Removing existing account
 - 6.View customer's list
 - 7.Exit
2. Now user can choose from the options.
3. Now explaining what happens with each choice: -
 1. Chosen 1: - Create new account (**new_acc()**)

Here the user will be asked to enter some details required to open bank account as name, date of birth, Aadhar card number, address and phone number. You can enter the amount to deposit and choose one type of deposit account – saving, current. Firstly, file is open to read information entered by user and it checks account number entered against account number already in use if its already in use a message is displayed and user have to enter another account number. After adding information, a successful message is displayed and a choice to exit or go to menu is given.

2.Chosen 2: - Update information of existing account (**edit()**)

Here user is asked to enter account number which is checked against database (in the file opened) if account number is found user is asked to enter information to be changed and then the new information and after everything successful message is displayed and choice is given to return to menu or exit. If record is not found message is displayed and choice is given to try again or go to menu or exit.

3. Chosen 3: - For transactions (**transact()**)

Here the user is asked for account number firstly then it checks what type of account it is if it is fixed account then message is displayed that cant be withdrawn else it moves forward and ask whether to deposit or withdraw then amount. After transaction is completed, choice is given to go to menu or exit. If record is not i.e., account number not matched, record is not found message is displayed and choice is given to try again or go to menu or exit.

4. Chosen 4: - Check the details of existing account (**see()**)

Here user is given choice to search the details either using account number or name. First user enters account number or name then the details of the account are displayed including the interest given to account according rate and time money deposited for. If record is not i.e., account number or name not matched, record is not found message is displayed and choice is given to try again or go to menu or exit.

5. Chosen 5: - Removing existing account (**erase()**)

Here user is asked to enter account number which is checked against database if record is found its deleted else record is not found message is displayed and choice is given to try again or go to menu or exit.

6. Chosen 6: - View customer's list (**view list()**)

Here file is opened and all records present in it are displayed if no records are their same message is displayed. After displaying choice is given to go to menu or exit.

7. Chosen 7: - Exit

The command is executed displaying exit message.

