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Lab Project Name: Banking Management System

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Lab Project Status		
Marks:	Signature:	
Comments:	Date:	

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Introduction

1.1 Introduction

A bank management system ensures proper supervision of the processes of banking to maximize profit. Banking Management system is an Ai tool where a banker can manage his/her clients banking information and valuable data.

1.2 Objective

The main objective of bank management is to maximize the profit of the bank maintaining proper management of liquidity, asset, liability and capital adequacy.

- > To improve customer service.
- > To mordernize office equipments.
- > To improve overall health of bank.
- > To improve human resources of bank.

Development of the Project

```
#include <stdio.h>
#include <conio.h>
#include <string.h>
#include<stdlib.h>
struct acc_type
  char bank name[20];
  char bank branch[20];
  char acc_holder_name[50];
  int acc number;
  char acc_holder_address[100];
   float available balance;
struct acc type account[20];
int num acc;
void Create_account();
void Cash deposit();
void Cash withdrawal();
void Account information();
void Log out();
void display options();
void display options()
{
  printf("\n1. Create New Account\n2. Cash Deposit\n3. Cash withdrawal\n4. Account information\n5. Log out\n6. Clear the
screen and display available options\n\n");
void Create_account()
 char bank name[20];
 char bank branch[20];
 char acc_holder_name[30];
 int acc number;
 char acc holder address[100];
 float available balance = 0;
 printf("\nEnter the bank name
                                       : ");
 scanf("%s", &bank_name);
 printf("\nEnter the bank branch
                                       : ");
 scanf("%s", &bank branch
 printf("\nEnter the account holder name : ");
```

```
scanf("%s", &acc holder name);
 printf("\nEnter the account number(1 to 10): ");
 scanf("%d", &acc number);
 printf("\nEnter the account holder address : ");
 scanf("%s", &acc holder address);
 strcpy(account[acc number-1].bank name,bank name);
 strepy(account[acc number-1].bank branch,bank branch);
 strcpy(account[acc number-1].acc holder name,
 acc holder name);
 account[acc number-1].acc number=acc number;
 strcpy(account[acc number-1].acc holder address,
 acc holder address);
 account[acc number-1].available balance=available balance;
 printf("\nAccount has been created successfully \n\n");
 printf("Bank name
                           : %s \n",
 account[acc number-1].bank name);
                          : %s \n"
 printf("Bank branch
 account[acc number-1].bank branch);
 printf("Account holder name : %s \n",
 account[acc number-1].acc holder name);
 printf("Account number
                             : %d \n",
 account[acc number-1].acc number);
 printf("Account holder address: %s \n",
 account[acc number-1].acc holder address);
 printf("Available balance : %f \n",
 account[acc number-1].available balance);
 printf("\nThanks to create a new account. \n");
void Account information()
{
   int num acc = 0;
   while(strlen(account[num acc].bank name)>0)
     printf("\nBank name
                                  : %s \n",
     account[num acc].bank name);
     printf("Bank branch
                                : %s \n",
     account[num acc].bank branch);
     printf("Account holder name
                                   : %s \n",
     account[num acc].acc holder name);
     printf("Account number
                                  : %d \n",
     account[num acc].acc number);
     printf("Account holder address: %s \n",
     account[num acc].acc holder address);
     printf("Available balance
                                 : \%f \n'',
     account[num acc].available balance);
     num acc++;
}
```

```
void Cash deposit()
  int acc no;
 float add money;
 printf("Enter account number you want to deposit money:");
 scanf("%d",&acc no);
 printf("\nThe current balance for account %d is %f \n",
 acc no, account[acc no-1].available balance);
 printf("\nEnter money you want to deposit : ");
 scanf("%f",&add money);
 while (acc no=account[acc no-1].acc number)
 {
     account[acc no-1].available balance=
     account[acc no-1].available balance+add money;
     printf("\nThe New balance for account %d is %f \n",
     acc no, account[acc no-1].available balance);
     break;
 }acc_no++;
void Cash withdrawal()
  int acc no=0;
 float withdraw money;
 printf("Enter account number you want to withdraw money:");
 scanf("%d",&acc no);
 printf("\nThe current balance for account %d is %f \n",
 acc no, account[acc no-1].available balance);
 printf("\nEnter money you want to withdraw from account ");
 scanf("%f",&withdraw_money);
 while (acc no=account[acc no-1].acc number)
 {
     account[acc no-1].available balance=
     account[acc no-1].available balance-withdraw money;
     printf("\nThe New balance for account %d is %f \n",
     acc no, account[acc no-1].available balance);
     break;
 }acc_no++;
int main()
  char option;
```

```
while(1)
 printf("\n**************************\n");
 printf("\n***** Welcome to Bank Application *****\n");
 display options();
 printf("Please enter any option you want to continue: ");
  option = getch();
  printf("%c \n", option);
  switch(option)
  {
   case '1': Create_account();
         break;
   case '2': Cash deposit();
         break;
   case '3': Cash withdrawal();
         break;
   case '4': Account_information();
         break;
   case '5': return 0;
   case '6': system("cls");
         break;
   default : system("cls");
         printf("Please enter one of the options");
         break;
return 0;
```

Performance Evaluation

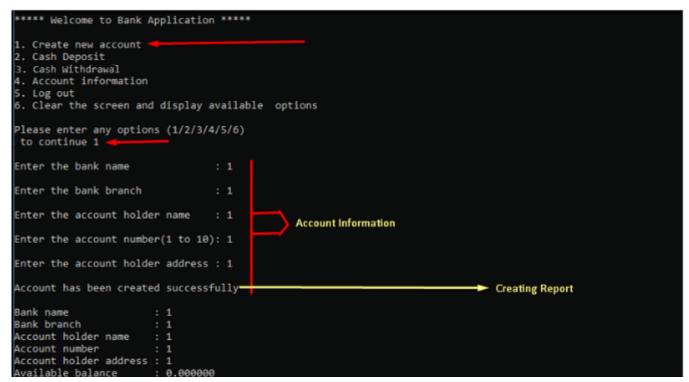
```
"C:\Users\Rahul\OneDrive\Documents\c\bank system.exe"

***** Welcome to Bank Application *****

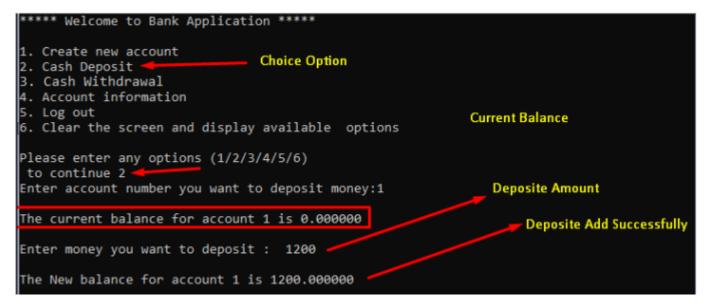
1. Create new account
2. Cash Deposit
3. Cash Withdrawal
4. Account information
5. Log out
6. Clear the screen and display available options

Please enter any options (1/2/3/4/5/6)
to continue
```

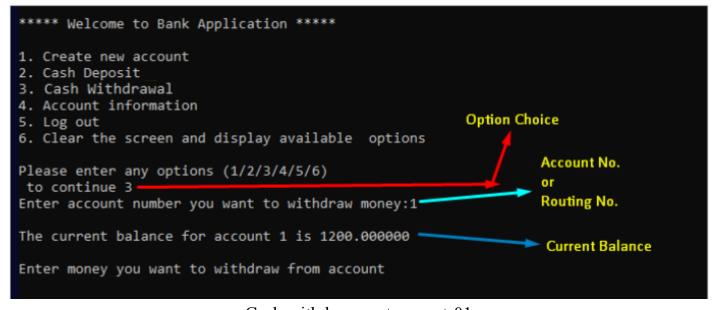
Main menu



Process of an account creation.



Cash deposit system.



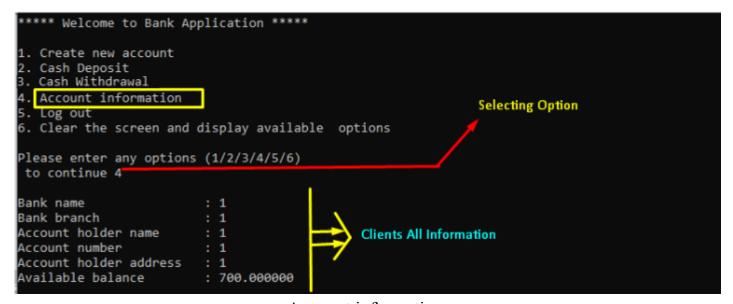
Cash withdraw system part-01

```
**** Welcome to Bank Application *****

    Create new account

Cash Deposit
Cash Withdrawal
Account information
                                                                  Part 2
Log out
Clear the screen and display available options
Please enter any options (1/2/3/4/5/6)
to continue 3
Enter account number you want to withdraw money:1
                                                                Withdraw Amount
The current balance for account 1 is 1200.000000
Enter money you want to withdraw from account 500
                                                            New Amount in Balance
The New balance for account 1 is 700.000000
```

Cash withdraw part-2



Account information.

```
"C:\Users\Rahul\OneDrive\Documents\c\bank system.exe"
**** Welcome to Bank Application *****
 Create new account
Cash Deposit
Cash Withdrawal
 Account information
5. Log out
Clear the screen and display available options
Please enter any options (1/2/3/4/5/6)
to continue 4
***** Welcome to Bank Application *****

    Create new account

 Cash Deposit
  Cash withdrawl
4. Account information
  Clear the screen and display available options
Please enter any options (1/2/3/4/5/6)
to continue _
```

Screen clear & Display.

Conclusion

4.1 Introduction

Bank management system is a virtualization of transactions in banking system. The banking system are used manual working but when we used online banking system it is totally virtualization process which avoid manual process and converts it in automatic process. By using this system customer can easily create account, deposit, withdraw money etc. So, it is a very time saver and easy process of banking.

4.1 Scope of Future Work

With this Ai tool a banker can easily manage his/her clients information. In that case, the work will be very easy. In the future this system will reduce banker work. Also the tools has no online hosting database that means if a cyber attacker wants to attack on the system, they see denied access. Because it is totally connected via local host. And the local host secured via Firewall Protection. Moral of the project we can say, in future this tool will decrease manual work and be secured for everyone.

References

- 1. Tamim Sahriar Subin (Book)
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- 3. w3school.com
- 4. quora.com
- 5. studypool.com
- 6. github.com