

DR. C.V. RAMAN UNIVERSITY

MINI PROJECT REPORT

ON

BANK MANAGEMENT SYSTEM

By

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Enrolment No: CV185030020

Under Guidance of

Mr. Deepak R. Prajapati

in partial fulfilment of requirement for the degree of

BACHELOR OF COMPUTER APPLICATIONS



DEPARTMENT OF COMPUTER AND INFORMATION TECHNOLOGY
DR. C.V. RAMAN UNIVERSITY
2018-2019

CERTIFICATE OF ORIGINALITY

This is to certify that the project report entitled "Bank Management System" submitted to DR. C.V. University in partial fulfilment of the requirement for the award of the degree of BACHELOR OF COMPUTER APPLICATIONS, is an authentic and original work carried out by Mr. DARSHAN BHIMRAO BHOSALE with enrolment no. CV185030020 under my guidance.

The matter embodied in this project is genuine work done by the student and has not been submitted whether to this University or to any other University / Institute for the fulfilment of the requirements of any course of study.

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Signature of the Student:

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DR. C.V. RAMAN UNIVERSITY

Department Of Computer & Information Technology



CERTIFICATE

*This is to certify that, **Mr. DARSHAN BHIMRAO BHOSALE** has satisfactorily completed the FYBCA. Project entitled, “**Bank Management System**”. This work is being submitted in partial fulfilment for the award of degree of Bachelor of Computer Application, for the academic year 2018-2019, under my guidance.*

Mr. Deepak R. Prajapati

Project In-Charge

Mr. Deepak R. Prajapati

IT Coordinator

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Principal

ACKNOWLEDGEMENT

I am very glad to work with my sincere thanks to our IT Coordinator, Deepak R. Prajapati for encouraging and allowing us to developed the program on the “BANK MANAGEMENT SYSTEM” and help us to achieving our goals toward this project.

I also glad to thank all our lecturers and others who have directly or indirectly helped in my project.

ABSTRACT

In this project, I am working with the basic C language used in early time of computers, most of the applications are based on the c language at that time, and one of the popular language of the time, due to C does not support the object oriented programming language then later it developed into C++.

The major problems faced while building this bank management system is, the using of password protected interface, but the solution upon this is use of nested if else statement, and the second problem with the bank management system was keep the track record of withdraw and transition of a particular person, and the last file handling uses. The major purpose behind to make this project is, a system which provide a bank with the wide usability of better management of there money and many customers of transition.

In this we use the C language, and execute the programme in DEV C++, which is a updated another application of turbo c. The basic use is of programme is to manage the all transition, transfer, withdraw, etc. which help the bank to easily track and keep the record of the money available in their bank.

RESULT : -

1. You can the feature of withdraw, transfer, account information of your account.
2. It is ready to use only if you know the password.
3. If there is any errors programme show the default message regard to the errors.

CONCLUSION :-

1. You get to know how to make basic bank management or any management application using the C language.
2. In this you're all concept including the file handling etc. get cleared.

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INTRODUCTION

I am working on the project name as “Bank Management System”, basically it's provide all of the facilities and wide range of option that are provide to the customer / owner of that account i.e. transition, withdraw, check account info etc.

PURPOSE :-

The purpose behind the development of the project is, to resolve the problem of manage of multiple customer account present in bank and provide the easily useable interface, so customer are more likely and easily useable the bank system.

SCOPE :-

The scope is that we came to know how to develop the software or program using the different IDE (Integrated Development Environment) it help to develop the another program also.

Language Used:- C language.

IT basically has a different type of option for users such as

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

EXISTING SYSTEM

In this system the software (Bank Management System) that are build keep the users in mind, basically day to day the user / customer transfer money, withdraw money, see customer account etc. Made with the C language using the concept of file handling, switch statement, nested if else ladder, Functions. This is easily understandable software, so anyone can understand and most of the concepts get clear.

Disadvantages Of Existing System

1. It doesn't build to keep banks higher post people / admins in mind.
2. It take little bit longer time to execute.

PROPOSED SOLUTION

Due to the software made to keep the users in mind not the admins, so the functionality of the admins not support, that means one part is remain so the same program is allow to use by the customers and the admins in the banks.

It get more wide range of functionality for the users and the customers also.

Advantages Of Proposed System

1. It take's shorter time then before.
2. Gives wide range of options for users and admins also.
3. Both of the admins and the users are interact at one place only.

SYSTEM REQUIRMRNTS

Hardware Requirements:

1. Processors : Any processor available in market.
2. RAM : 512 Mb (Min)
3. CPU : Any series of CPU.

Software Requirements:

1. Operating System :- All Window's operating system.

MODULES

BANK MANAGEMENT SYSTEM

1. Create New Account
 - Today's Date(mm/dd/yyyy)
 - Account Number
 - Name
 - Date Of Birth(mm/dd/yyyy)
 - Age
 - Address
 - Citizenship Number
 - Phone Number
 - Amount To Deposit INR
 - Type Of Account:
 - Saving
 - Current
 - Fixed1(For 1 Year)
 - Fixed2(For 2 Years)
 - Fixed3(For 3 Years)
2. Update Information Of Existing Account
 - Address
 - Phone
3. For Transactions
 - Enter The Account No. Of The Customer
 - Do You Want To
 - Deposit
 - Withdraw
4. Check The Details Of Existing Account
 - The Customer Check By Details
 - Account Number
 - Name
 - Select Option Account Number/Name
 - ❖ Account No.
 - ❖ Name
 - ❖ DOB
 - ❖ Age

- ❖ Address
- ❖ Citizenship No
- ❖ Phone Number
- ❖ Type Of Account
- ❖ Amount Deposited
- ❖ Date Of Deposit
- 5. Removing Existing Account
 - The Account Number
- 6. View Customer's List
 - Account Number
 - Name
 - Address
 - Phone
- 7. Exit
 - Thank You

IMPLEMENTATION AND TESTING

Coding:

```
#include<stdio.h>
#include<stdlib.h>
#include<windows.h>
int i,j;
int main_exit;
void menu();
struct date{
    int month,day,year;};
struct{
    char name[60];
    int acc_no,age;
    char address[60];
    char citizenship[15];
    double phone;
    char acc_type[10];
    float amt;
    struct date dob;
    struct date deposit;
    struct date withdraw;
}add,upd,check,rem,transaction;

float interest(float t,float amount,int rate)
{
    float SI;
    SI=(rate*t*amount)/100.0;
    return (SI);
}

void fordelay(int j)
{
    int i,k;
    for(i=0;i<j;i++)
        k=i;
}

void new_acc(){
```

```
int choice;
FILE *ptr;
    ptr=fopen("record.txt","a+");
account_no:
system("cls");
printf("\t\t\t\xB2\xB2\xB2\ ADD RECORD \xB2\xB2\xB2\xB2");
printf("\n\nEnter today's date(mm/dd/yyyy):");
scanf("%d/%d/%d",&add.deposit.month,&add.deposit.day,&add.deposit.year);
printf("\nEnter the account number:");
scanf("%d",&check.acc_no);
    while(fscanf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&
add.age,add.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.
month,&add.deposit.day,&add.deposit.year)!=EOF)
    {
        if (check.acc_no==add.acc_no)
        {
            printf("Account no. already in use!");
            fordelay(1000000000);
            goto account_no;
        }
    }
    add.acc_no=check.acc_no;
printf("\nEnter the name:");
    scanf("%s",add.name);
printf("\nEnter the date of birth(mm/dd/yyyy):");
scanf("%d/%d/%d",&add.dob.month,&add.dob.day,&add.dob.year);
printf("\nEnter the age:");
scanf("%d",&add.age);
printf("\nEnter the address:");
scanf("%s",add.address);
printf("\nEnter the citizenship number:");
scanf("%s",add.citizenship);
printf("\nEnter the phone number: ");
scanf("%lf",&add.phone);
printf("\nEnter the amount to deposit:INR");
scanf("%f",&add.amt);
```

```
printf("\nType of account:\n\t#Saving\n\t#Current\n\t#Fixed1(for 1
year)\n\t#Fixed2(for 2 years)\n\t#Fixed3(for 3 years)\n\n\tEnter your choice:");
scanf("%s",add.acc_type);

fprintf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,a
dd.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.depo
sit.day,add.deposit.year);
fclose(ptr);
printf("\nAccount created successfully!");
add_invalid:
printf("\n\n\n\tEnter 1 to go to the main menu and 0 to exit:");
scanf("%d",&main_exit);
system("cls");
    if (main_exit==1)
        menu();
    else if(main_exit==0)
        close();
    else
    {
        printf("\nInvalid!\a");
        goto add_invalid;
    }
}
void edit(void){
    int choice,test=0;
    FILE *old,*newrec;
    old=fopen("record.txt","r");
    newrec=fopen("new.txt","w");
    printf("\nEnter the account no. of the customer whose info you want to
change:");
    scanf("%d",&upd.acc_no);
    while(fscanf(old,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&a
dd.age,add.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.m
onth,&add.deposit.day,&add.deposit.year)!=EOF)
    {
```

```
if (add.acc_no==upd.acc_no)
{ test=1;
  printf("\nWhich information do you want to
change?\n1.Address\n2.Phone\n\nEnter your choice(1 for address and 2 for phone):");
  scanf("%d",&choice);
  system("cls");
  if(choice==1)
  {   printf("Enter the new address:");
      scanf("%s",upd.address);
      fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,u
pd.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.depo
sit.day,add.deposit.year);
      system("cls");
      printf("Changes saved!");
  }
  else if(choice==2)
  {
    printf("Enter the new phone number:");
    scanf("%lf",&upd.phone);
    fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,a
dd.address,add.citizenship,upd.phone,add.acc_type,add.amt,add.deposit.month,add.depo
sit.day,add.deposit.year);
    system("cls");
    printf("Changes saved!");
  }
}
else
  fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,a
dd.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.depo
sit.day,add.deposit.year);
}
fclose(old);
fclose(newrec);
remove("record.txt");
```



```
rename("new.txt","record.txt");
    if(test!=1)
{   system("cls");
    printf("\nRecord not found!!\a\a\a");
    edit_invalid:
    printf("\nEnter 0 to try again,1 to return to main menu and 2 to exit:");
    scanf("%d",&main_exit);
    system("cls");
    if (main_exit==1)
        menu();
    else if (main_exit==2)
        close();
    else if(main_exit==0)
        edit();
        else
        {   printf("\nInvalid!\a");
            goto edit_invalid;}
    }
    else
    {printf("\n\nEnter 1 to go to the main menu and 0 to exit:");
    scanf("%d",&main_exit);
    system("cls");
    if (main_exit==1)
        menu();
    else
        close();
    }
}

void transact(void){
    int choice,test=0;
    FILE *old,*newrec;
    old=fopen("record.txt","r");
    newrec=fopen("new.txt","w");
    printf("Enter the account no. of the customer:");
    scanf("%d",&transaction.acc_no);
    while (fscanf(old,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&a
```

```
dd.age,add.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.m
onth,&add.deposit.day,&add.deposit.year)!=EOF)
    {
        if(add.acc_no==transaction.acc_no)
        {test=1;

if(strcmpi(add.acc_type,"fixed1")==0||strcmpi(add.acc_type,"fixed2")==0||strcmpi(add.a
cc_type,"fixed3")==0)
    {
        printf("\a\a\a\n\nYOU CANNOT DEPOSIT OR WITHDRAW CASH IN FIXED
ACCOUNTS!!!!");
        fordelay(1000000000);
        system("cls");
        menu();
    }
    printf("\n\nDo you want to\n1.Deposit\n2.Withdraw?\n\nEnter your choice(1 for
deposit and 2 for withdraw):");
    scanf("%d",&choice);
    if (choice==1)
    {
        printf("Enter the amount you want to deposit:INR ");
        scanf("%f",&transaction.amt);
        add.amt+=transaction.amt;
        fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,a
dd.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.depo
sit.day,add.deposit.year);
        printf("\n\nDeposited successfully!");
    }
    else
    {
        printf("Enter the amount you want to withdraw:INR ");
        scanf("%f",&transaction.amt);
        add.amt-=transaction.amt;
        fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,a
```

```
dd.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.depo
sit.day,add.deposit.year);
    printf("\n\nWithdrawn successfully!");
    }
    }
else
{
    fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,a
dd.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.depo
sit.day,add.deposit.year);
    }
    }
    fclose(old);
    fclose(newrec);
    remove("record.txt");
    rename("new.txt","record.txt");
    if(test!=1)
    {
        printf("\n\nRecord not found!!");
        transact_invalid:
        printf("\n\nEnter 0 to try again,1 to return to main menu and 2 to exit:");
        scanf("%d",&main_exit);
        system("cls");
        if (main_exit==0)
            transact();
        else if (main_exit==1)
            menu();
        else if (main_exit==2)
            close();
        else
        {
            printf("\nInvalid!");
            goto transact_invalid;
        }
    }
    else
```

```
        {
printf("\nEnter 1 to go to the main menu and 0 to exit:");
scanf("%d",&main_exit);
system("cls");
if (main_exit==1)
    menu();
else
    close();
    }
}

void see(void){
    FILE *ptr;
    int test=0,rate;
    int choice;
    float time;
    float intrst;
    ptr=fopen("record.txt","r");
    printf("Do you want to check by\n1.Account no\n2.Name\nEnter your choice:");
    scanf("%d",&choice);
    if (choice==1)
    { printf("Enter the account number:");
      scanf("%d",&check.acc_no);
      while (fscanf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&a
dd.age,add.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.m
onth,&add.deposit.day,&add.deposit.year)!=EOF)
      {
if(add.acc_no==check.acc_no)
{ system("cls");
test=1;

printf("\nAccount NO.:%d\nName:%s \nDOB:%d/%d/%d \nAge:%d
\nAddress:%s \nCitizenship No:%s \nPhone number:%.0lf \nType Of Account:%s
\nAmount deposited:INR %.2f \nDate Of
Deposit:%d/%d/%d\n\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year
,add.age,add.address,add.citizenship,add.phone,
add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);
if(strcmpi(add.acc_type,"fixed1")==0)
```

```
{
time=1.0;
rate=9;
intrst=interest(time,add.amt,rate);
printf("\n\nYou will get INR%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+1);
}
else if(strcmpi(add.acc_type,"fixed2")==0)
{
time=2.0;
rate=11;
intrst=interest(time,add.amt,rate);
printf("\n\nYou will get INR.%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+2);
}
else if(strcmpi(add.acc_type,"fixed3")==0)
{
time=3.0;
rate=13;
intrst=interest(time,add.amt,rate);
printf("\n\nYou will get INR.%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+3);
}
else if(strcmpi(add.acc_type,"saving")==0)
{
time=(1.0/12.0);
rate=8;
intrst=interest(time,add.amt,rate);
printf("\n\nYou will get INR.%.2f as interest on %d of every
month",intrst,add.deposit.day);
}
else if(strcmpi(add.acc_type,"current")==0)
{
printf("\n\nYou will get no interest\n\n");
}
}
```

```
    }
    else if (choice==2)
    { printf("Enter the name:");
      scanf("%s",&check.name);
      while (fscanf(ptr,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&a
dd.age,add.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.m
onth,&add.deposit.day,&add.deposit.year)!=EOF)
      {
        if(strcmpi(add.name,check.name)==0)
        { system("cls");
          test=1;
          printf("\nAccount No.:%d\nName:%s \nDOB:%d/%d/%d \nAge:%d \nAddress:%s
\nCitizenship No:%s \nPhone number:%.0lf \nType Of Account:%s \nAmount
deposited:INR%.2f \nDate Of
Deposit:%d/%d/%d\n\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year
,add.age,add.address,add.citizenship,add.phone,
          add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);
          if(strcmpi(add.acc_type,"fixed1")==0)
          {
            time=1.0;
            rate=9;
            intrst=interest(time,add.amt,rate);
            printf("\n\nYou will get INR.%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+1);
          }
          else if(strcmpi(add.acc_type,"fixed2")==0)
          {
            time=2.0;
            rate=11;
            intrst=interest(time,add.amt,rate);
            printf("\n\nYou will get INR.%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+2);
          }
          else if(strcmpi(add.acc_type,"fixed3")==0)
          {
            time=3.0;
```

```
        rate=13;
        intrst=interest(time,add.amt,rate);
        printf("\n\nYou will get INR.%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+3);
    }
    else if(strcmpi(add.acc_type,"saving")==0)
    {
        time=(1.0/12.0);
        rate=8;
        intrst=interest(time,add.amt,rate);
        printf("\n\nYou will get INR.%.2f as interest on %d of every
month",intrst,add.deposit.day);
    }
    else if(strcmpi(add.acc_type,"current")==0)
    {
        printf("\n\nYou will get no interest\n\n");
    }
}
}

fclose(ptr);
if(test!=1)
{system("cls");
printf("\nRecord not found!!\n\n");
see_invalid:
printf("\nEnter 0 to try again,1 to return to main menu and 2 to exit:");
scanf("%d",&main_exit);
system("cls");
if (main_exit==1)
    menu();
else if (main_exit==2)
    close();
else if(main_exit==0)
    see();
else
{
    system("cls");
```

```
        printf("\nInvalid!\a");
        goto see_invalid;}
    }
    else
    {printf("\nEnter 1 to go to the main menu and 0 to exit:");
    scanf("%d",&main_exit);}
    if (main_exit==1)
    {
        system("cls");
        menu();
    }
    else
    {
        system("cls");
        close();
    }
}

void erase(void){
    FILE *old,*newrec;
    int test=0;
    old=fopen("record.txt","r");
    newrec=fopen("new.txt","w");
    printf("Enter the account no. of the customer you want to delete:");
    scanf("%d",&rem.acc_no);
    while (fscanf(old,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&a
dd.age,add.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.m
onth,&add.deposit.day,&add.deposit.year)!=EOF)
    {
        if(add.acc_no!=rem.acc_no)
            fprintf(newrec,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.name,add.dob.month,add.dob.day,add.dob.year,add.age,a
dd.address,add.citizenship,add.phone,add.acc_type,add.amt,add.deposit.month,add.depo
sit.day,add.deposit.year);
        else
            {test++;
            printf("\nRecord deleted successfully!\n");
```



```
    }
    }
    fclose(old);
    fclose(newrec);
    remove("record.txt");
    rename("new.txt","record.txt");
    if(test==0)
{
    printf("\nRecord not found!!\a\a\a");
    erase_invalid:
    printf("\nEnter 0 to try again,1 to return to main menu and 2 to exit:");
    scanf("%d",&main_exit);
        if (main_exit==1)
            menu();
        else if (main_exit==2)
            close();
        else if(main_exit==0)
            erase();
        else
        {
            printf("\nInvalid!\a");
            goto erase_invalid;}
    }
else
{
    printf("\nEnter 1 to go to the main menu and 0 to exit:");
    scanf("%d",&main_exit);
    system("cls");
    if (main_exit==1)
        menu();
    else
        close();
    }
}

void view_list(){
    FILE *view;
    view=fopen("record.txt","r");
    int test=0;
    system("cls");
```

```
printf("\nACC. NO.\tNAME\t\t\t\tADDRESS\t\t\t\tPHONE\n");
while(fscanf(view,"%d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,add.name,&add.dob.month,&add.dob.day,&add.dob.year,&a
dd.age,add.address,add.citizenship,&add.phone,add.acc_type,&add.amt,&add.deposit.m
onth,&add.deposit.day,&add.deposit.year)!=EOF)
{
printf("\n%6d\t
%10s\t\t\t\t%10s\t\t\t%.0lf",add.acc_no,add.name,add.address,add.phone);
test++;
}
fclose(view);
if (test==0)
{system("cls");
printf("\nNO RECORDS!!\n");}
view_list_invalid:
printf("\n\nEnter 1 to go to the main menu and 0 to exit:");
scanf("%d",&main_exit);
system("cls");
if (main_exit==1)
menu();
else if(main_exit==0)
close();
else
{
printf("\nInvalid!\a");
goto view_list_invalid;
}
}
void close(){
printf("\n\n\nThis C Mini Project is developed by Darshan Bhosale!");
}

void menu(void)
{ int choice;
system("cls");
system("color 9");
menu:
```

```
        printf("\n\n\t\t \xB2\xB3BANK MANAGEMENT SYSTEM\xB3\xB2");
        printf("\n\n\t\t\t\xB2\xB2\xB2\xB2\xB2\xB2 WELCOME TO THE MAIN
MENU \xB2\xB2\xB2\xB2\xB2\xB2\xB2");
        printf("\n\n\t\t1.Create new account\n\t\t2.Update information of existing
account\n\t\t3.For transactions\n\t\t4.Check the details of existing
account\n\t\t5.Removing existing account\n\t\t6.View customer's
list\n\t\t7.Exit\n\n\n\t\t Enter your choice:");
        scanf("%d",&choice);
        system("cls");
        switch(choice)
        {
            case 1:new_acc();
            break;
            case 2:edit();
            break;
            case 3:transact();
            break;
            case 4:see();
            break;
            case 5:erase();
            break;
            case 6:view_list();
            break;
            case 7:close();
            break;
            default:
                printf("\n\n\t\t\xB2 Wrong Key! \xB2");
                fordelay(1000000000);
                system("cls");
                goto menu;
            break;
        }
    }

int main()
{
    char pass[20],password[20]="darshan7754";
```

```
int i=0;
printf("\n\n\tEnter the password to login:");
scanf("%s",pass);
if (strcmp(pass,password)==0)
{   printf("\n\nPassword Match!\nLOADING");
    for(i=0;i<=6;i++)
    {
        fordelay(100000000);
        printf(".");
    }
    system("cls");
    menu();
}
else
{   printf("\n\nWrong password!!\a\a\a");
    login_try:
    printf("\nEnter 1 to try again and 0 to exit:");
    scanf("%d",&main_exit);
    if(main_exit==1)
    {
        system("cls");
        main();
    }
    else if (main_exit==0)
    {
        system("cls");
        close();}
    else
    {printf("\nInvalid!");
        fordelay(1000000000);
        system("cls");
        goto login_try;}
    }
    return 0;
}
```

Screen Shots:

1.Bank Management System

```
I:\BCA SEM-2 Project\C\26&27March2019\bank management system.exe

||BANK MANAGEMENT SYSTEM||

WELCOME TO THE MAIN MENU

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

Enter your choice:
```

2.Create new account

```
I:\BCA SEM-2 Project\C\26&27March2019\bank management system.exe

ADD RECORD

Enter today's date(mm/dd/yyyy):03/26/2019
Enter the account number:123456789
Enter the name:DARSHAN_BHOSALE
Enter the date of birth(mm/dd/yyyy):03/04/1996
Enter the age:24
Enter the address:KAMOTHE
Enter the citizenship number:410209
Enter the phone number: 8451011900
Enter the amount to deposit:INR.1456320089

Type of account:
#Saving
#Current
#Fixed1(for 1 year)
#Fixed2(for 2 years)
#Fixed3(for 3 years)

Enter your choice:saving

Account created successfully!

Enter 1 to go to the main menu and 0 to exit:
```

3.For transaction

```
I:\BCA SEM-2 Project\C\26&27March2019\bank management system.exe

Enter the account no. of the customer:123456789

Do you want to
1.Deposit
2.Withdraw?

Enter your choice(1 for deposit and 2 for withdraw):1
Enter the amount you want to deposit:INR 23560150

Deposited successfully!
Enter 1 to go to the main menu and 0 to exit:█
```

4.Check details

```
I:\BCA SEM-2 Project\C\26&27March2019\bank management system.exe

Account NO.:123456789
Name:DARSHAN_BHOSALE
DOB:3/4/1996
Age:24
Address:KAMOTHE
Citizenship No:410209
Phone number:8451011900
Type Of Account:saving
Amount deposited:INR 23560150.00
Date Of Deposit:3/26/2019

You will get INR.157067.67 as interest on 26 of every month
Enter 1 to go to the main menu and 0 to exit:
```

5.Removeing Account

I:\BCA SEM-2 Project\C\26&27March2019\bank management system.exe

Enter the account no. of the customer you want to delete:987654321

Record deleted successfully!

Enter 1 to go to the main menu and 0 to exit:■

Record delete to check

I:\BCA SEM-2 Project\C\26&27March2019\bank management system.exe

ACC. NO.	NAME	ADDRESS	PHONE
123456789	DARSHAN_BHOSALE		KAMOTHE 8451011900

Enter 1 to go to the main menu and 0 to exit:

6.View customer's list

I:\BCA SEM-2 Project\C\26&27March2019\bank management system.exe

ACC. NO.	NAME	ADDRESS	PHONE
123456789	DARSHAN_BHOSALE		KAMOTHE 8451011900
987654321	KALYANI_MALWDAKAR		Dombivali 9326138926

Enter 1 to go to the main menu and 0 to exit:

CONCLUSION AND FUTURE WORK

Conclusion:

1. This program is used to manage one or more then one user as the bank customer.
2. Build to keep the user in mind.
3. This program is easy to use and user friendly.
4. This program run in any of the windows system.
5. It is easy to execute and take little bit time to compile.

Future Work:

1. To improve on more feature.
2. Build to keep bank admins in mind.
3. Easy to maintain and retrieve any data of any customer.

REFERENCES

- Stack overflow (website)
- Google
- You tube (based on the bank management system)
- Some banks reference (basic use of bank system for customers)
- Refer books of computer programming (structure programming approach)
- Include help c (tutorial website)
- Code with C (website)