



# **BANKER'S AND CUSTOMER'S BANK MANGEMENT SYSTEM**

## **A MINI-PROJECT REPORT**

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# DAYANANDA SAGAR UNIVERSITY



## CERTIFICATE

This is to certify that the Algorithm Design and Analysis Laboratory Mini-Project report entitled “**BANKER’S AND CUSTOMER’S BANK MANGEMENT SYSTEM**” being submitted by

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## ACKNOWLEDGEMENT

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## TABLE OF CONTENTS

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<b>SL.NO</b>	<b>TITLE</b>	<b>Page No</b>
	Cover Page	1
	Certificate	2
	Acknowledgement	3
	Contents	4
1.	Problem Statement	5
2.	Abstract	6
3.	Introduction	7
4.	S/W & H/W Requirements	8
5.	Code	9
6.	Expected Output Analysis	35
7.	Conclusion	41
8.	References	42

## **1. PROBLEM STATEMENT**

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The bank management system is an application for maintaining a person's account in a bank. The system provides the access to the customer to create an account, deposit/withdraw/view balance(the cash from his account), also to view reports of all account present and can also update any his personal information like phone number, address.

## 2. ABSTRACT

---

As we are beginners and have no practical experience in the field of software development and moreover the Banking System is very wide. So, we limit the scope of our project by computerizing the following fields of the Banking System:-

- Account Opening
- Daily Transactions
- Account Maintenance
- Search :-
  1. Savings Account
  2. Current Account
  3. Fixed Deposit Account
    - 1 Year
    - 2 Years
    - 3 Years

### 3. INTRODUCTION

---

During the past several decades personal function has been transformed from a relatively obscure record keeping staff to central and top level management function. There are many factors that have influenced this transformation like technological advances, professionalism, and general recognition of human beings as most important resources.

This project intends to introduce more user friendliness in the various activities such as record updation, maintenance, and searching. The searching of record has been made quite simple as all the details of the customer can be obtained by simply keying in the identification or account number of that customer. Similarly, record maintenance and updation can also be accomplished by using the account number with all the details being automatically generated. These details are also being promptly automatically updated in the master file thus keeping the record absolutely up-to-date.

The entire information has maintained in the FILES and whoever wants to retrieve can't retrieve, only authorization user can retrieve the necessary information which can be easily be accessible from the file.

## 4. SOFTWARE AND HARDWARE REQUIREMENTS

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Software requirements:-

- Ubuntu (16.04)

Hardware requirements:-

- PC or Laptop
  - RAM min- 512 MB
  - Hard disk space-500MB



## 5. CODE

---

```
#include<stdio.h>

#include<stdlib.h>

int i,j,a;

int main_exit;

void menu();

struct date{

    int month,day,year;

};

struct {

    char name[60];

    int password;

    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,temp;
```

```

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.dat","a+");

    account_no:
    printf("\t\t\t\xB2\xB2\xB2\ ADD RECORD \xB2\xB2\xB2\xB2");
    printf("\n\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 %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",&add.acc_no,&add.password,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.ye
ar)!=EOF)

{

    if (check.acc_no==add.acc_no)

        {printf("Account no. already in use!");

        fordelay(10);

        goto account_no;

        }

}

add.acc_no=check.acc_no;
printf("\nEnter a four digit pin:\t");
scanf("%d",&add.password);

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 pan number:");

scanf("%s",add.citizenship);

printf("\nEnter the phone number: ");

```

```

scanf("%lf",&add.phone);

printf("\nEnter the amount to deposit:$");

scanf("%f",&add.amt);

printf("\nType of
account:\n\t1.Saving\n\t2.Current\n\t3.Fixed1(for 1
year)\n\t4.Fixed2(for 2 years)\n\t5.Fixed3(for 3 years)\n\n\tEnter
your choice:");

scanf("%s",add.acc_type);

fprintf(ptr,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.password,add.name,add.dob.month,add.dob.day
,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_ty
pe,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

fclose(ptr);

printf("\nAccount created successfully!");

add_invalid:

printf("\n\n\n\t\tEnter 1 to go to the main menu and 0 to exit:");

scanf("%d",&main_exit);

if (main_exit==1)

    sel();

else if(main_exit==0)

    close();

else

{

    printf("\nInvalid!\a");

    goto add_invalid;

}

```

```

}

void view_list()
{
    FILE *view;

    view=fopen("record.dat","r");

    int test=0;

    printf("\nACC. NO.\tNAME\t\t\tADDRESS\t\t\tPHONE\n");

    while(fscanf(view,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,&add.password,add.name,&add.dob.month,&add.dob.d
ay,&add.dob.year,&add.age,add.address,add.citizenship,&add.phone,add.a
cc_type,&add.amt,&add.deposit.month,&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)
    {

        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);

    if (main_exit==1)

```

```

        sel();

    else if(main_exit==0)

        close();

    else

    {

        printf("\nInvalid!\a");

        goto view_list_invalid;

    }

}

void edit(void)

{

    int choice,test=0;

    FILE *old,*newrec;

    old=fopen("record.dat","r");

    newrec=fopen("new.dat","w");


    printf("\nEnter the account no. of the customer whose info you
want to change:");

    scanf("%d",&upd.acc_no);

    printf("\nEnter the pin:\t");

    scanf("%d",&upd.password);

    while(fscanf(old,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,&add.password,add.name,&add.dob.month,&add.dob.d
ay,&add.dob.year,&add.age,add.address,add.citizenship,&add.phone,add.a
cc_type,&add.amt,&add.deposit.month,&add.deposit.day,&add.deposit.year
)!=EOF)

    {

        if (add.acc_no==upd.acc_no && add.password==upd.password)

        {
            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);

        if(choice==1)

            {printf("Enter the new address:");

            scanf("%s",upd.address);

            fprintf(newrec,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.password,add.name,add.dob.month,add.dob.day
,add.dob.year,add.age,upd.address,add.citizenship,add.phone,add.acc_ty
pe,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

            printf("Changes saved!");

            }

        else if(choice==2)

            {

                printf("Enter the new phone number:");

                scanf("%lf",&upd.phone);

                fprintf(newrec,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.password,add.name,add.dob.month,add.dob.day
,add.dob.year,add.age,add.address,add.citizenship,upd.phone,add.acc_ty
pe,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

                printf("Changes saved!");

            }

    }

else

```

```

        fprintf(newrec,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.password,add.name,add.dob.month,add.dob.day
,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_ty
pe,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

    }

    fclose(old);

    fclose(newrec);

    remove("record.dat");

    rename("new.dat","record.dat");

if(test!=1)

    {

        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);

            if (main_exit==1)

                sel();

            else if (main_exit==2)

                close();

            else if(main_exit==0)

                edit();

            else

                {printf("\nInvalid!\a");

                goto edit_invalid;}

    }

```



```

        else

            {printf("\n\n\nEnter 1 to go to the main menu and 0 to
exit:");

                scanf("%d",&main_exit);

                if (main_exit==1)

                    sel();

                else

                    close();

            }

    }

void transact(void)
{
    int choice,test=0;

    FILE *old,*newrec;

    old=fopen("record.dat","r");

    newrec=fopen("new.dat","w");

        printf("Enter the account no. of the customer:");

        scanf("%d",&transaction.acc_no);

        printf("\nEnter the pin:\t");

        scanf("%d",&transaction.password);

        while (fscanf(old,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,&add.password,add.name,&add.dob.month,&add.dob.d
ay,&add.dob.year,&add.age,add.address,add.citizenship,&add.phone,add.a
cc_type,&add.amt,&add.deposit.month,&add.deposit.day,&add.deposit.year
)!=EOF)

        {

```

```

        if(add.acc_no==transaction.acc_no &&
add.password==transaction.password)

        {   test=1;

if(strcmp(add.acc_type,"fixed1")==0||strcmp(add.acc_type,"fixed2")==0|
|strcmp(add.acc_type,"fixed3")==0)

        {

                printf("\a\a\a\n\nYOU CANNOT DEPOSIT OR WITHDRAW
CASH IN FIXED ACCOUNTS!!!!!!");

                fordelay(100000);

                menu();

        }

        printf("\n\nDo you want
to\n1.Deposit\n2.Withdraw\n3.Balance enq.\n\nEnter your choice:");

        scanf("%d",&choice);

        if (choice==1)

        {

                printf("Enter the amount you want to deposit:$ ");

                scanf("%f",&transaction.amt);

                add.amt+=transaction.amt;

                fprintf(newrec,"%d %d %s %d/%d/%d %d %s %s %lf %s
%f
%d/%d/%d\n",add.acc_no,add.password,add.name,add.dob.month,add.dob.day
,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_ty
pe,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

                printf("\n\nDeposited successfully!");

        }

        else if(choice==2)

        {

```

```

        printf("Enter the amount you want to withdraw:$
");

        scanf("%f",&transaction.amt);

        add.amt-=transaction.amt;

        fprintf(newrec,"%d %d %s %d/%d/%d %d %s %s %lf %s
%f
%d/%d/%d\n",add.acc_no,add.password,add.name,add.dob.month,add.dob.day
,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_ty
pe,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

        printf("\n\nWithdrawn successfully!");

    }

    else if(choice==3)

        {printf("The balance is :%2f ",add.amt);

            fprintf(newrec,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.password,add.name,add.dob.month,add.dob.day
,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_ty
pe,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

        }

    }

    else

        {

            fprintf(newrec,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n",add.acc_no,add.password,add.name,add.dob.month,add.dob.day
,add.dob.year,add.age,add.address,add.citizenship,add.phone,add.acc_ty
pe,add.amt,add.deposit.month,add.deposit.day,add.deposit.year);

        }

    }

    fclose(old);

    fclose(newrec);

    remove("record.dat");

    rename("new.dat","record.dat");

    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);

    if (main_exit==0)

        transact();
else if (main_exit==1)

    sel();
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);

    if (main_exit==1)

        sel();

    else

```

```

        close();

    }

}

void erase(void)
{
    FILE *old, *newrec;

    int test=0;

    old=fopen("record.dat", "r");

    newrec=fopen("new.dat", "w");

    printf("Enter the account no. of the customer you want to
delete:");

    scanf("%d", &rem.acc_no);

    printf("\nEnter the pin:\t");

    scanf("%d", &rem.password);

    while (fscanf(old, "%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d", &add.acc_no, &add.password, add.name, &add.dob.month, &add.dob.d
ay, &add.dob.year, &add.age, add.address, add.citizenship, &add.phone, add.a
cc_type, &add.amt, &add.deposit.month, &add.deposit.day, &add.deposit.year
) != EOF)
    {

        if (add.acc_no != rem.acc_no)

            fprintf(newrec, "%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d\n", add.acc_no, add.password, add.name, add.dob.month, add.dob.day
, add.dob.year, add.age, add.address, add.citizenship, add.phone, add.acc_ty
pe, add.amt, add.deposit.month, add.deposit.day, add.deposit.year);

        else

            {test++;

                printf("\nRecord deleted successfully!\n");

```

```

        }

    }

    fclose(old);

    fclose(newrec);

    remove("record.dat");

    rename("new.dat","record.dat");

    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);

        if (main_exit==1)

            sel();

        else

            close();

    }

}

void see(void)
{
    FILE *ptr;

    int test=0,rate;

    int choice;

    float time;

    float intrst;

    ptr=fopen("record.dat","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);

        printf("\nEnter the pin:\t");

        scanf("%d",&check.password);


        while (fscanf(ptr,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,&add.password,add.name,&add.dob.month,&add.dob.d

```

```

ay, &add.dob.year, &add.age, add.address, add.citizenship, &add.phone, add.a
cc_type, &add.amt, &add.deposit.month, &add.deposit.day, &add.deposit.year
)!=EOF)

```

```

{

    if (add.acc_no==check.acc_no)

    {        test=1;


                printf("\nAccount NO.:%d\nName:%s \nDOB:%d/%d/%d
\nAge:%d \nAddress:%s \nCitizenship No:%s \nPhone number:%.01f \nType
Of Account:%s \nAmount deposited:$ %.2f \nDate Of
Deposit:%d/%d/%d\n\n", add.acc_no, add.name, add.dob.month, add.dob.day, ad
d.dob.year, add.age, add.address, add.citizenship, add.phone,

add.acc_type, add.amt, add.deposit.month, add.deposit.day, add.deposit.yea
r);

                if (strcmp(add.acc_type, "fixed1")==0)

                {

                        time=1.0;

                        rate=9;

                        intrst=interest(time, add.amt, rate);

                        printf("\n\nYou will get $%.2f as interest on
%d/%d/%d", intrst, add.deposit.month, add.deposit.day, add.deposit.year+1)
;

                }

                else if (strcmp(add.acc_type, "fixed2")==0)

                {

                        time=2.0;

                        rate=11;

                        intrst=interest(time, add.amt, rate);

                        printf("\n\nYou will get $%.2f as interest on
%d/%d/%d", intrst, add.deposit.month, add.deposit.day, add.deposit.year+2)
;

```



```

    }

    else if(strcmp(add.acc_type,"fixed3")==0)

    {

        time=3.0;

        rate=13;

        intrst=interest(time,add.amt,rate);

        printf("\n\nYou will get $%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+3)
;

    }

    else if(strcmp(add.acc_type,"saving")==0)

    {

        time=(1.0/12.0);

        rate=8;

        intrst=interest(time,add.amt,rate);

        printf("\n\nYou will get $%.2f as interest on
%d of every month",intrst,add.deposit.day);

    }

    else if(strcmp(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);

    printf("enter the pin:");

    scanf("%d",&check.password);

    while (fscanf(ptr,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,&add.password,add.name,&add.dob.month,&add.dob.d
ay,&add.dob.year,&add.age,add.address,add.citizenship,&add.phone,add.a
cc_type,&add.amt,&add.deposit.month,&add.deposit.day,&add.deposit.year
)!=EOF)

    {

        if(strcmp(add.name,check.name)==0)

        {

            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:$%.2f \nDate Of
Deposit:%d/%d/%d\n\n",add.acc_no,add.name,add.dob.month,add.dob.day,ad
d.dob.year,add.age,add.address,add.citizenship,add.phone,
add.acc_type,add.amt,add.deposit.month,add.deposit.day,add.deposit.yea
r);

            if(strcmp(add.acc_type,"fixed1")==0)

            {

                time=1.0;

                rate=9;

                intrst=interest(time,add.amt,rate);

                printf("\n\nYou will get $%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+1)
;

```

```

    }

    else if(strcmp(add.acc_type,"fixed2")==0)
    {
        time=2.0;

        rate=11;

        intrst=interest(time,add.amt,rate);

        printf("\n\nYou will get $%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+2)
;

    }

    else if(strcmp(add.acc_type,"fixed3")==0)
    {
        time=3.0;

        rate=13;

        intrst=interest(time,add.amt,rate);

        printf("\n\nYou will get $%.2f as interest on
%d/%d/%d",intrst,add.deposit.month,add.deposit.day,add.deposit.year+3)
;

    }

    else if(strcmp(add.acc_type,"saving")==0)
    {
        time=(1.0/12.0);

        rate=8;

        intrst=interest(time,add.amt,rate);

        printf("\n\nYou will get $%.2f as interest on
%d of every month",intrst,add.deposit.day);

```

```

        }

        else if(strcmp(add.acc_type,"current")==0)
        {

                printf("\n\nYou will get no interest\a\a");

        }

    }

}

}

}

fclose(ptr);

if(test!=1)
{
    printf("\nRecord not found!!\a\a\a");

    see_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)

        see();

```



```

void menu(void)

{   int choice;

    printf("\n\n\t\t\tBANKER'S BANKING MANAGEMENT SYSTEM");

    printf("\n\n\n\t\t\t\xB2\xB2\xB2\xB2\xB2\xB2\xB2 WELCOME TO THE
MAIN MENU \xB2\xB2\xB2\xB2\xB2\xB2\xB2");

    printf("\n\n\t\t\t1.Create new account\n\t\t\t2.Update information of
existing account\n\t\t\t3.For transactions\n\t\t\t4.Check the details of
existing account\n\t\t\t5.Removing existing account\n\t\t\t6.View
customer's list\n\t\t\t7.To know the total balance in the
bank\n\t\t\t8.Exit\n\n\n\n\n\t\t\t Enter your choice:");

    scanf("%d",&choice);

    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:balance();

```

```

        break;

        case 8:close();

        break;

        default:close();
        break;

    }

}

int sel()
{
    switch (a)
    {
        case 1:
        {char c[10]="abcbank";
        char d[10];
        reenter:
        printf("\nEnter the password :\t");
        scanf("%s",d);
        if(strcmp(c,d)==0)
        {
            menu();
        }
        }
        else
        {
            printf("\t\t\t\t\tWrong password!!!!\n\n");
            printf("Enter 1 for retry or 0 to exit :  ");
            int z;
            scanf("%d",&z);
            if(z==1)
            {
                goto reenter;
            }
            else
            {
                close();
            }
        }
    }
}break;
    case 2:
    {
        list();
        break;
    }
    default:
    {

```

```

        printf("\nInvalid\n");
    }
}

```

```

void list(void)
{   int choice;

```

```

    printf("\n\n\t\t\tCUSTOMER ACCOUNT BANKING MANAGEMENT SYSTEM");

```

```

    printf("\n\n\n\t\t\t\xB2\xB2\xB2\xB2\xB2\xB2\xB2 WELCOME TO THE
MAIN MENU \xB2\xB2\xB2\xB2\xB2\xB2\xB2");

```

```

    printf("\n\n\t\t\t1.Create new account\n\t\t\t2.Update information of
existing account\n\t\t\t3.For transactions\n\t\t\t4.Check the details of
existing account\n\t\t\t5.Removing existing
account\n\t\t\t6.Exit\n\n\n\n\n\t\t Enter your choice:");

```

```

    scanf("%d",&choice);

```

```

    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:close();

```

```

        break;

```



```

        default:close();
        break;

    }
}

int balance()
{
    FILE *p;
    p=fopen("record.dat","a+");
    temp.amt=0;
    while (fscanf(p,"%d %d %s %d/%d/%d %d %s %s %lf %s %f
%d/%d/%d",&add.acc_no,&add.password,add.name,&add.dob.month,&add.dob.d
ay,&add.dob.year,&add.age,add.address,add.citizenship,&add.phone,add.a
cc_type,&add.amt,&add.deposit.month,&add.deposit.day,&add.deposit.year
)!=EOF)
    {

temp.amt=temp.amt+add.amt;
    }
    printf("The total balance in the bank is: %f\n",temp.amt);
    printf("\nEnter 1 to go to the main menu and 0 to exit:");

        scanf("%d",&main_exit);

        if (main_exit==1)

        {

            sel();

        }

        else

        {

            close();

        }

    }

}

int main()

{
    printf("\n\t\t\t\t\tSelect the category\n");
    printf("\n *1* If you are banker\n *2* If you are coustomer\nEnter the
choice:");

```

```
scanf("%d",&a);  
sel();  
}
```

## 6. EXPECTED OUTPUT ANALYSIS

```
kiran@kiran-Lenovo-Ideapad-110-15AST: ~  
kiran@kiran-Lenovo-Ideapad-110-15AST:~$ ./a.out  
Select the category  
*1* If you are banker  
*2* If you are coustomer  
Enter the choice:1  
Enter the password :   abcbank  
BANKER'S BANKING 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.To know the total blance in the bank  
8.Exit  
Enter your choice:█
```

```
kiran@kiran-Lenovo-Ideapad-110-15AST: ~  
5.Removing existing account  
6.View customer's list  
7.To know the total blance in the bank  
8.Exit  
Enter your choice:1  
*** ADD RECORD ***  
Enter today's date(mm/dd/yyyy):11/26/2018  
Enter the account number:123456  
Enter a four digit pin: 1234  
Enter the name:kiran  
Enter the date of birth(mm/dd/yyyy):08/09/2018  
Enter the age:19  
Enter the address:banglore  
Enter the pan number:asdf1234  
Enter the phone number: 9686967201  
Enter the amount to deposit:$500  
Type of account:  
1.Saving  
2.Current  
3.Fixed1(for 1 year)  
4.Fixed2(for 2 years)  
5.Fixed3(for 3 years)  
Enter your choice:1  
Account created successfully!
```

```
kiran@kiran-Lenovo-Ideapad-110-15AST: ~  
Enter your choice:2  
Enter the account no. of the customer whose info you want to change:123456  
Enter the pin: 1234  
Which information do you want to change?  
1.Address  
2.Phone  
Enter your choice(1 for address and 2 for phone):1  
Enter the new address:mysore  
Changes saved!  
Enter 1 to go to the main menu and 0 to exit:1  
Enter the password :   abcbank  
  
BANKER'S BANKING 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.To know the total blance in the bank  
8.Exit  
  
Enter your choice:2  
Enter the account no. of the customer whose info you want to change:123456
```

```
kiran@kiran-Lenovo-Ideapad-110-15AST: ~  
Enter your choice(1 for address and 2 for phone):1  
Enter the new address:mysore  
Changes saved!  
Enter 1 to go to the main menu and 0 to exit:1  
Enter the password :   abcbank  
  
BANKER'S BANKING 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.To know the total blance in the bank  
8.Exit  
  
Enter your choice:2  
Enter the account no. of the customer whose info you want to change:123456  
Enter the pin: 1234  
Which information do you want to change?  
1.Address  
2.Phone  
Enter your choice(1 for address and 2 for phone):2  
Enter the new phone number:9686967202  
Changes saved!  
Enter 1 to go to the main menu and 0 to exit:^[
```

```
kiran@kiran-Lenovo-Ideapad-110-15AST: ~  
Enter your choice:3  
Enter the account no. of the customer:123456  
Enter the pin: 1234  
Do you want to  
1.Deposit  
2.Withdraw  
3.Balance enq.  
Enter your choice:1  
Enter the amount you want to deposit:$ 100  
Deposited successfully!  
Enter 1 to go to the main menu and 0 to exit:1  
Enter the password :   abcbank  
  
BANKER'S BANKING 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.To know the total blance in the bank  
8.Exit  
  
Enter your choice:█
```

```
kiran@kiran-Lenovo-Ideapad-110-15AST: ~  
Enter your choice:3  
Enter the account no. of the customer:123456  
Enter the pin: 1234  
Do you want to  
1.Deposit  
2.Withdraw  
3.Balance enq.  
Enter your choice:1  
Enter the amount you want to deposit:$ 100  
Deposited successfully!  
Enter 1 to go to the main menu and 0 to exit:1  
Enter the password :   abcbank  
  
BANKER'S BANKING 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.To know the total blance in the bank  
8.Exit  
  
Enter your choice:3  
Enter the account no. of the customer:123456
```

```
kiran@kiran-Lenovo-Ideapad-110-15AST: ~  
Enter your choice:3  
Enter the account no. of the customer:123456  
Enter the pin: 1234  
Do you want to  
1.Deposit  
2.Withdraw  
3.Balance enq.  
Enter your choice:2  
Enter the amount you want to withdraw:$ 100  
Withdrawn successfully!  
Enter 1 to go to the main menu and 0 to exit:1  
Enter the password :   abcbank  
  
BANKER'S BANKING 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.To know the total blance in the bank  
8.Exit  
  
Enter your choice:3  
Enter the account no. of the customer:123456
```

```
kiran@kiran-Lenovo-Ideapad-110-15AST: ~  
Enter your choice:3  
Enter the account no. of the customer:123456  
Enter the pin: 1234  
Do you want to  
1.Deposit  
2.Withdraw  
3.Balance enq.  
Enter your choice:3  
The balance is :500.000000  
Enter 1 to go to the main menu and 0 to exit:1  
Enter the password :   abcbank  
  
BANKER'S BANKING 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.To know the total blance in the bank  
8.Exit  
  
Enter your choice:4  
Do you want to check by  
1.Account no  
2.Name  
Enter your choice:1
```

```
kiran@kiran-Lenovo-ideapad-110-15AST: ~  
Enter your choice:4  
Do you want to check by  
1.Account no  
2.Name  
Enter your choice:1  
Enter the account number:123456  
Enter the pin: 1234  
Account NO.:123456  
Name:kiran  
DOB:8/9/2018  
Age:19  
Address:mysore  
Citizenship No:asdf1234  
Phone number:9686967202  
Type Of Account:1  
Amount deposited:$ 500.00  
Date Of Deposit:11/26/2018  
Enter 1 to go to the main menu and 0 to exit:1  
Enter the password :   abcbank  
  
BANKER'S BANKING 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.To know the total blance in the bank  
8.Exit
```

```
kiran@kiran-Lenovo-ideapad-110-15AST: ~  
7.To know the total blance in the bank  
8.Exit  
  
Enter your choice:5  
Enter the account no. of the customer you want to delete:123456  
Enter the pin: 1234  
Record deleted successfully!  
Enter 1 to go to the main menu and 0 to exit:1  
Enter the password :   abcbank  
  
BANKER'S BANKING 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.To know the total blance in the bank  
8.Exit  
  
Enter your choice:^Z  
[1]+  Stopped                  ./a.out  
kiran@kiran-Lenovo-ideapad-110-15AST:~$  
kiran@kiran-Lenovo-ideapad-110-15AST:~$  
kiran@kiran-Lenovo-ideapad-110-15AST:~$  
kiran@kiran-Lenovo-ideapad-110-15AST:~$  
kiran@kiran-Lenovo-ideapad-110-15AST:~$  
kiran@kiran-Lenovo-ideapad-110-15AST:~$
```



```
kiran@kiran-Lenovo-Ideapad-110-15AST: ~  
7.To know the total blance in the bank  
8.Exit  
  
Enter your choice:6  
  
ACC. NO.      NAME      ADDRESS      PHONE  
123456      kiran      mysore      9686967202  
  
Enter 1 to go to the main menu and 0 to exit:1  
Enter the password :   abcbank  
  
BANKER'S BANKING 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.Vlew customer's list  
7.To know the total blance in the bank  
8.Exit  
  
Enter your choice:7  
The total balance in the bank is: 500.000000  
Enter 1 to go to the main menu and 0 to exit:1  
Enter the password :   abcbank  
  
BANKER'S BANKING MANAGEMENT SYSTEM
```

```
kiran@kiran-Lenovo-Ideapad-110-15AST: ~  
kiran@kiran-Lenovo-Ideapad-110-15AST:~$  
kiran@kiran-Lenovo-Ideapad-110-15AST:~$  
kiran@kiran-Lenovo-Ideapad-110-15AST:~$ ./a.out  
  
Select the category  
  
*1* If you are banker  
*2* If you are coustomer  
Enter the choice:2  
  
CUSTOMER ACCOUNT BANKING 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.Exit  
  
Enter your choice:6  
  
This project is done by:  
1.KIRAN.M REDDY  
2.K DEVA BHARGAV  
3.HEMANTH R SHANKAR  
4.HIMAKEERTHI J  
5.JEEVAN N  
  
.....THANK YOU.....  
  
kiran@kiran-Lenovo-Ideapad-110-15AST:~$
```



## 7. CONCLUSION

---

This project is developed to nurture the needs of a user in a banking sector by embedding all the tasks of transactions taking place in bank.

Future version of this software will still be much enhanced than the current version 1.0. Thus the bank management system it is developed and executed successfully.

## 8. REFERENCES

---

[1]<https://github.com>

[2] [www.wikipedia.org](http://www.wikipedia.org)

[3][www.codeproject.com](http://www.codeproject.com)