Project Name: Bank Management System

Submitted To:

TEACHER’S NAME: Md. Khaliluzzaman(MK)

DESIGNATION : Asistant Professor,CSE

Submitted By:

STUDENT’S NAME: Bibi Ayesha Akhter Omera

MATRIC ID : C223204

SECTION : 1AF

SEMESTER : 1st

DEPERTMENT : COMPUTER SCIENCE AND ENGINEERING

**Objective:**

Bank Management System Project Using C Language**.**

**Requirement Analysis:**

# Bank Management System is based on a concept to generate and maintain daily payment transactions with the customer’s account. This project is focused on customer’s account services in bank, so it is named “Customer Account Bank Management System”.

# System requirement:

# 1. Create a new account.

# 2.Depositing money.

# 3.Withdraw money.

# 4.Transfer money.

# 5.View transactions.

# 7.Check the details of an account.

Talking about the features of Bank Management System. while creating a new account for any customer then he/she has to provide , name , fathers and mothers name, date of birth, age, address, phone number, the amount deposited while creating an account and select account type. Under this, there are five types of account, Saving, Current, Fixed(for 1 year), Fixed(for 2 years), Fixed(for 3 years).

Features of Transaction through a bank is either done by Depositing or Withdrawing amounts.  Whenever a user wants to withdraw or deposit some amount of money he/she has to provide Amount then the system automatically maintain his/her Transaction record with total bank balance. While checking a customer’s account in transaction, the system will display all the detail about depositing and withdrawing money with time and date.

User transfer money in any account with the feature of transfer money.,it is also shown in transaction details . And last user also check his/her all account detail with the feature of account detail.

This whole Bank management system project is developed using C Programming Language(loop,string,file,function elc..) have been used for the development of it.

**Design:**

**Code:**

#include<stdio.h>

#include<stdlib.h>

int main\_exit;

char name[50];

int diposit\_amt,amt=10000,acc\_no;

void menu();

void new\_account();

void deposit\_money();

void withdraw\_money();

void transfer\_money();

void account\_details();

void last\_details();

void transaction\_detail();

void divider()

{

for(int i=0;i<50;i++)

{

printf("-");

}

}

int withdraw\_amt;

int transfer\_amt;

int main()

{

int choice;

system("cls");

while(1)

{

menu();

printf("Enter your choice: ");

scanf("%d",&choice);

switch(choice)

{

case 1:

new\_account();

break;

case 2:

deposit\_money();

break;

case 3:

withdraw\_money();

break;

case 4:

transfer\_money();

break;

case 5:

account\_details();

break;

case 6:

transaction\_detail();

break;

case 7:

last\_details();

exit(0);

break;

default:

printf("invalid choice!!!!");

}

}

}

void menu()

{

printf("\nMAIN MENU \n");

divider();

printf("\n1.Create Account\n");

printf("2.Deposit Money\n");

printf("3.Withdraw Money\n");

printf("4.Transfer Money\n");

printf("5.Account Details\n");

printf("6.Transcition Details\n");

printf("7.Exit\n");

}

void new\_account()

{

system("cls");

char x1[10],x2[10],x3[10],x4[10],x5[10],x6[10],x7[10],x8[10],x9[10],x10[10],x11[10];

printf("\n\n!!!!!CREATE ACCOUNT!!!!!");

printf("\nFIRST NAME: ");

scanf("%s", x1);

printf("\nLAST NAME: ");

scanf("%s", x2);

printf("\nFATHER's NAME: ");

scanf("%s", x3);

printf("\nMOTHER's NAME: ");

scanf("%s", x4);

printf("\nADDRESS: ");

scanf("%s", x5);

printf("\n\nACCOUNT TYPE::\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", x6);

printf("\n\nDATE OF BIRTH..");

printf("\nDATE-");

scanf("%s", x7);

printf("\nMONTH-");

scanf("%s", x8);

printf("\nYEAR-");

scanf("%s", x9);

printf("\n\nPHONE NUMBER: ");

scanf("%s", x10);

printf("\n\nUSERNAME: ");

scanf("%s", x11);

printf("\n\*\*\*\*\*\*Account created successfully!\*\*\*\*\*\*\n");

printf("\n\n\nPress Enter key to go main menu........\n");

getch();

system("cls");

}

void deposit\_money()

{ system("cls");

time\_t tm;

time(&tm);

FILE \*ptr=fopen("D:\\program.txt","a");

char x[10];

printf("Enter account name= ");

scanf("%s",x);

printf("Enter your account no= ");

scanf("%d",&acc\_no);

printf("\n\n\n\*\*\*\*\*\*Depositing Money\*\*\*\*\*\*\n");

divider();

printf("\n Enter the amount: ");

scanf("%d",&diposit\_amt);

amt=amt+diposit\_amt;

printf(" MONEY DEPOSITED\n");

printf(" nCurrent balance: %d\n",amt);

fprintf(ptr," Rs%d had been deposited to your account\n",diposit\_amt);

fprintf(ptr," Date /time of transaction %s",ctime(&tm));

fclose(ptr);

printf("Press Enter key to go main menu........\n");

getch();

system("cls");

}

void withdraw\_money()

{

system("cls");

time\_t tm;

time(&tm);

FILE \*ptr=fopen("D:\\program.txt","a");

char x[10];

printf("Enter account name= ");

scanf("%s",x);

printf("Enter your account no= ");

scanf("%d",&acc\_no);

printf("\n\n \*\*\*\*\*\*WITHDRAW MONEY\*\*\*\*\*\*\n");

divider();

printf("\n Enter the amount: ");

scanf("%d",&withdraw\_amt);

amt=amt-withdraw\_amt;

printf(" MONEY WITHDRAWN\n");

printf(" Current balance %d",amt);

fprintf(ptr," Rs%d had been withdrawn to your account\n",withdraw\_amt);

fprintf(ptr," Date /time of transaction %s",ctime(&tm));

fclose(ptr);

printf("\n\n\nPress Enter key to go main menu........\n");

getch();

system("cls");

}

void transfer\_money()

{

system("cls");

int ac;

time\_t tm;

time(&tm);

FILE \*ptr=fopen("D:\\program.txt","a");

char x[10];

printf("Enter account name= ");

scanf("%s",x);

printf("Enter your account no= ");

scanf("%d",&acc\_no);

printf("\n\n \*\*\*\*\*\*TRANSFERRING MONEY\*\*\*\*\*\*\n");

divider();

printf("\n Enter the amount: ");

scanf("%d",&transfer\_amt);

printf(" Enter the ac no which you want to transfer: ");

scanf("%d",&ac);

if(amt<transfer\_amt)

{

printf(" You dont have sufficieant balance\n");

}

else

{

amt=amt-transfer\_amt;

printf(" Money Transfered\n");

printf(" Current balance: %d",amt);

fprintf(ptr," Rs%d had been transfered to your account\n",transfer\_amt);

fprintf(ptr," Date /time of transaction %s",ctime(&tm));

}

fclose(ptr);

getch();

printf("\n\n\nPress Enter key to go main menu........\n");

system("cls");

}

void account\_details()

{

system("cls");

int i;

char x[10];

printf("Enter account name= ");

scanf("%s",x);

printf("Enter your account no= ");

scanf("%d",&acc\_no);

printf("\n\n\n \*\*\*\*\*\*ACCOUNT DETAIL\*\*\*\*\*\*\n");

for(i=0;i<50;i++)

{

printf("-");

}

printf("\n Name: %s\n",x);

printf(" Account No: %d\n",acc\_no);

printf(" Total Balane: %d\n",amt);

getch();

printf("\n\n\nPress Enter key to go main menu........\n");

system("cls");

}

void transaction\_detail()

{

system("cls");

FILE \*ptr=fopen("D:\\program.txt","r");

char c=fgetc(ptr);

if(c== EOF)

{

printf("NO recent transaction\n");

}

else

{

printf("\n\n\n \*\*\*\*\*\*Transation Details\*\*\*\*\*\*");

while(c != EOF)

{

printf("%c",c);

c=fgetc(ptr);

}

}

getch();

system("cls");

}

void last\_details()

{ system("cls");

printf(" press any key For exting....");

return 0;

getch();

}

**Sample intput-output:**

**Input:**

MAIN MENU

--------------------------------------------------

1.Create Account

2.Deposit Money

3.Withdraw Money

4.Transfer Money

5.Account Details

6.Transcition Details

7.Exit

Enter your choice: 2

**Output:**

Enter account name= ayesha

Enter your account no= 12345

\*\*\*\*\*\*Depositing Money\*\*\*\*\*\*

--------------------------------------------------

Enter the amount: 5000

MONEY DEPOSITED

Current balance: 15000

Press Enter key to go main menu........

**Conclusion:**

This bank management system is a system that the user must be able to fast learn and use it very easily. And all the features are user-friendly and simple to learn.