 PREFACE

This project, in your hand, has been specifically written to introduce the working of banking system and following option have been programmed

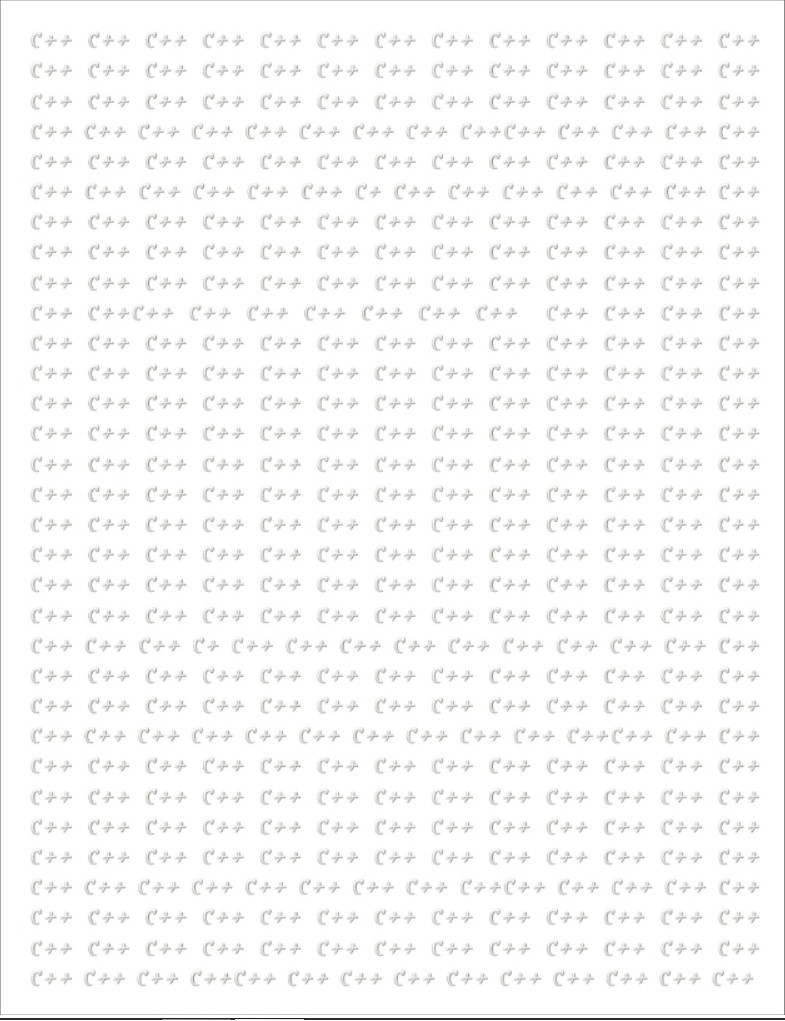
* New account
* List of all account holder
* Individual account status
* Daily transection (Deposit/withdraw)
* Edit account(Modify/Delete)

This project just gives a glimpse of bank management system

Submitted by:

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Submitted to: Prashant sir

**ACKNOWLEDGEMENT**

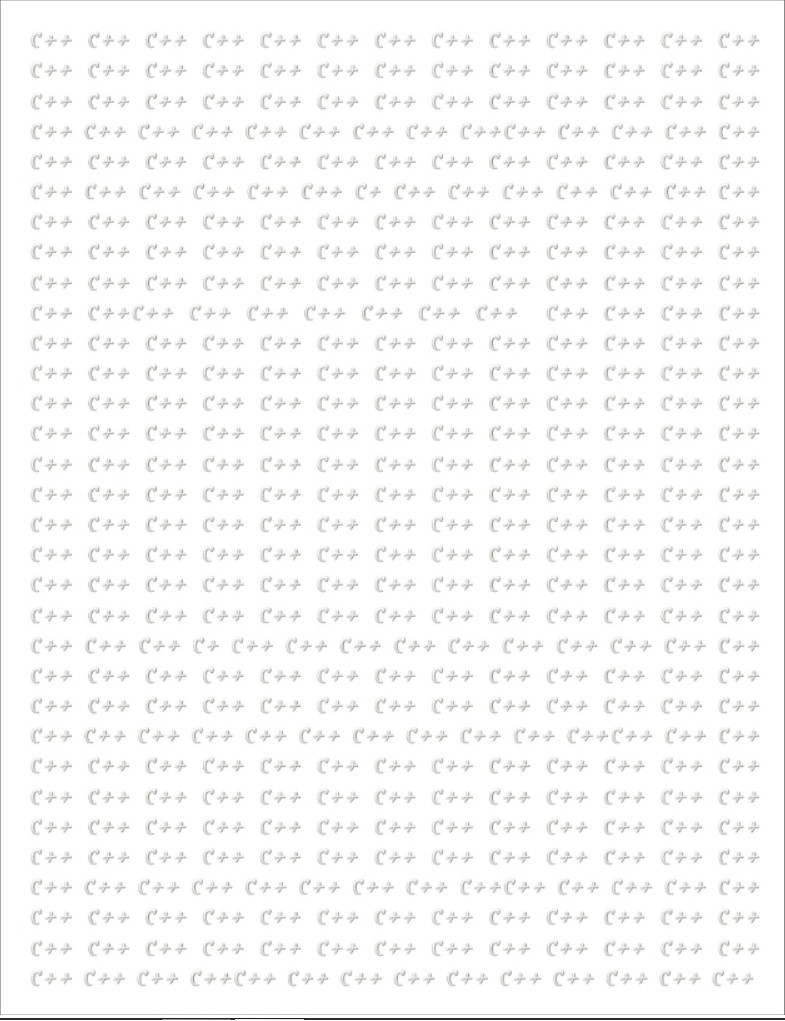
For the accomplishment of this project successfully many people have owned upon me their heart pledged support

Primarily we would thank god for being able to complete this project successfully and then to our principle and computer teacher **Mr. Prashant sir** whose valuable guidance has been the one that helped us to patch this project and make it full proof success .

Then we would like to thank our parents and friend who have helped me with their valuable suggestions.

Last but not least we would like to thank all my classmates who have helped us a lot.

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 Certificate

This is certified that **DEEPAK KUMAR PANDEY, SAWAN KUMAR PAL, NISHANT SRIVASTAVA, CHANDRAPRAKASH CHAUBEY**. Has been successfully completed the project on **bank management system** during the academic year **2015-16**In partial fulfillment of computer practical examination conducted by **C.B.S.E** , New Delhi.

Signature of Examiner Signature of Teacher

// Header files //

#include<fstream.h>

#include<ctype.h>

#include<iomanip.h>

#include<conio.h>

#include<stdio.h>

//Class used in project //

class account

{

intacno;

char name[50];

int deposit;

char type;

public:

void create\_account(); //function to get data from user

void show\_account(); //function to show data on screen

void modify(); //function to get new data from user

void dep(int); //function to accept amount and add to balance amount

void draw(int); //function to accept amount and subtract from balance amount

void report(); //function to show data in tabular format

intretacno(); //function to return account number

intretdeposit(); //function to return balance amount

char rettype(); //function to return type of account

};

void account::create\_account()

{

cout<<"\nEnter the account number \n\n :";

cin>>acno;

cout<<"\n\nEnter the full name of account holder : ";

gets(name);

cout<<"\nEnter the type of account : ";

cout<<"\nC for CURRENT ACCOUNT \n";

cout<<"\nS for SAVING ACCOUNT \n";

cin>>type;

type=toupper(type);

cout<<"\nEnter the initial deposit : ";

cin>>deposit;

cout<<"\n\n\nAccount credited";

}

void account::show\_account()

{

cout<<"\nAccount number \n : "<<acno;

cout<<"\nAccount holder name : ";

cout<<name;

cout<<"\nType of account : "<<type;

cout<<"\nBalance : "<<deposit;

}

void account::modify()

{

cout<<"\nThe account number :\n\n"<<acno;

cout<<"\n\nEnter the name of account holder : ";

gets(name);

cout<<"\nEnter the type of account : ";

cout<<"\nC for CURRENT ACCOUNT \n\n";

cout<<"\nS for SAVING ACCOUNT \n\n";

cin>>type;

type=toupper(type);

cout<<"\nEnter the amount : ";

cin>>deposit;

}

void account::dep(int x)

{

deposit+=x;

}

void account::draw(int x)

{

deposit-=x;

}

void account::report()

{

cout<<acno<<setw(10)<<" "<<name<<setw(10)<<" "<<type<<setw(6)<<deposit<<endl;

}

int account::retacno()

{

return acno;

}

int account::retdeposit()

{

return deposit;

}

char account::rettype()

{

return type;

}

// Function declaraction //

void write\_account(); //function to write record in binary file

void display\_sp(int); //function to display account details given by user

void modify\_account(int); //function to modify record of file

void delete\_account(int); //function to delete record of file

void display\_all(); //function to display all account details

void deposit\_withdraw(int, int); // function to desposit/withdraw amount for given account

void intro(); //introductory screen function

void help(); //function to display help about project

//Main function of program //

int main()

{

char ch;

int num,ch1,ch2;

clrscr();

intro();

do

{

clrscr();

cout<<"\n\n\n\tWelcome to our";

cout<<"\n\n\tBanking project\n";

cout<<"\n\n\t01. New account";

cout<<"\n\n\t02. List of accounts";

cout<<"\n\n\t03. Individual account";

cout<<"\n\n\t04. Daily transection (Deposit/Withdrawal)";

cout<<"\n\n\t05. Edit Acounts (Modify/close)";

cout<<"\n\n\t06. Help";

cout<<"\n\n\t07. Exit";

cout<<"\n\n\tChoose any option from 1 to 7 ";

cin>>ch;

clrscr();

switch(ch)

{

case '1':

write\_account();

break;

case '2':

display\_all();

break;

case '3':

cout<<"\nEnter your account number : "; cin>>num;

display\_sp(num);

break;

case '4':cout<<"\n 1.Deposit amount";

cout<<"\n 2.Withdrawal"<<"\nEnter your choice(1 or 2)\n";

cin>>ch1;

if(ch1==1)

{

cout<<"\n\nEnter your account number : "; cin>>num;

deposit\_withdraw(num, 1);

}

else if(ch1==2)

{cout<<"\n\n\tEnter your account number : "; cin>>num;

deposit\_withdraw(num, 2);}

break;

case '5':cout<<"\n 1.Modify your account";

cout<<"\n 2.Delete your account"<<"\n\n Enter you choise (1 or 2) \n\n";

cin>>ch2;

if(ch2==1)

{cout<<"Enter your account number : ";cin>>num;

modify\_account(num);}

if(ch2==2)

{cout<<"Enter your account number : ";cin>>num;

delete\_account(num);}

break;

case '6':

help();

break;

case '7':

cout<<"\n\n\tThanks for intrest in our project";

break;

default :cout<<"\a";

}

getch();

}while(ch!='7');

return 0;

}

// Function to write in file //

void write\_account()

{

account ac;

ofstreamoutFile;

outFile.open("account.dat",ios::binary|ios::app);

ac.create\_account();

outFile.write((char \*) &ac, sizeof(account));

outFile.close();

}

// Function to read desired record fron file //

void display\_sp(int n)

{

account ac;

int flag=0;

ifstreaminFile;

inFile.open("account.dat",ios::binary);

if(!inFile)

{

cout<<"File not available !! Press any Key...";

return;

}

cout<<"\nBalance deposit\n";

while(inFile.read((char \*) &ac, sizeof(account)))

{

if(ac.retacno()==n)

{

ac.show\_account();

flag=1;

}

}

inFile.close();

if(flag==0)

cout<<"\n\nInvalid account number";

}

// Function to modifyrecords in file //

void modify\_account(int n)

{

int found=0;

account ac;

fstream File;

File.open("account.dat",ios::binary|ios::in|ios::out);

if(!File)

{

cout<<"File could not be open !! Press any Key...";

return;

}

while(File.read((char \*) &ac, sizeof(account)) && found==0)

{

if(ac.retacno()==n)

{

ac.show\_account();

cout<<"\n\n Enter new detail of account"<<endl;

ac.modify();

intpos=(-1)\*sizeof(account);

File.seekp(pos,ios::cur);

File.write((char \*) &ac, sizeof(account));

cout<<"\n\n\t Record updated ";

found=1;

}

}

File.close();

if(found==0)

cout<<"\n\n Record not found";

}

// Function to delete record from file //

void delete\_account(int n)

{

account ac;

ifstreaminFile;

ofstreamoutFile;

inFile.open("account.dat",ios::binary);

if(!inFile)

{

cout<<"File could not open !! Press any Key...";

return;

}

outFile.open("Temp.dat",ios::binary);

inFile.seekg(0,ios::beg);

while(inFile.read((char \*) &ac, sizeof(account)))

{

if(ac.retacno()!=n)

{

outFile.write((char \*) &ac, sizeof(account));

}

}

inFile.close();

outFile.close();

remove("account.dat");

rename("Temp.dat","account.dat");

cout<<"\n\n\tRecord deleted ..";

}

// Function to display all account holder’s name //

void display\_all()

{

account ac;

ifstreaminFile;

inFile.open("account.dat",ios::binary);

if(!inFile)

{

cout<<"File could not be open !! Press any Key...";

return;

}

cout<<"\n\n\t\tAccount holder list\n\n";

cout<<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

cout<<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

cout<<"A/c no. Name Type Balance\n";

cout<<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

cout<<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

while(inFile.read((char \*) &ac, sizeof(account)))

{

ac.report();

}

inFile.close();}

// Function for transection //

void deposit\_withdraw(int n, int option)

{

intamt;

int found=0;

account ac;

fstream File;

File.open("account.dat", ios::binary|ios::in|ios::out);

if(!File)

{

cout<<"File could not be open !! Press any Key...";

return;

}

while(File.read((char \*) &ac, sizeof(account)) && found==0)

{

if(ac.retacno()==n)

{

ac.show\_account();

if(option==1)

{

cout<<"\n\n\tTodeposite amount ";

cout<<"\n\nEnterthe amount to be deposit :";

cin>>amt;

ac.dep(amt);

}

if(option==2)

{

cout<<"\n\n\tTo withdraw amount ";

cout<<"\n\nEnter the amount to be withdrawn :";

cin>>amt;

intbal=ac.retdeposit()-amt;

if((bal<500 &&ac.rettype()=='S') || (bal<1000 &&ac.rettype()=='C'))

cout<<"Insufficient balance!!!!!";

else

ac.draw(amt);}

intpos=(-1)\* sizeof(ac);

File.seekp(pos,ios::cur);

File.write((char \*) &ac, sizeof(account));

cout<<"\n\n\t Record updated!!!!!";

found=1;

} }

File.close();

if(found==0)

cout<<"\n\n Record not available !!!!! ";}

// Function to display help about this project //

void help(void)

{

clrscr();

cout<<"\n\n\n\t\t\t\t\b\t Welcome To Our";

cout<<"\n\n\t\t\t\b\t\t Banking Project\n";

cout<<"\nYou can keep record of your transection";

cout<<"\nThis Program is capable of holding any number ofaccount and amount";

cout<<"\n---->In first option you can open a new account";

cout<<"\nNOTE:-Our privacy purpos user are allowed to choose their account number by own";

cout<<"\nand are requested to keep it confedential";

cout<<"\n---->In second option you can see list of all account holder";

cout<<"\n---->In third option you can see information of your account";

cout<<"\n---->In fourth option you can see daily transections i.e."<<"\n(Deposit/Withdraw)";

cout<<"\n---->In fifth option their is provision of editing your account i.e"<<"\n (Modify/Delete)";

cout<<"\n NOTE:-Open amount should not be less than Rs. 500/-";

cout<<"\n---->And last option is Quit (Exit to windows)";

cout<<"\nPress enter to continue...";

getch();

}

// Introduction function //

void intro()

{

cout<<"\n\n\n\t\t\t\t\bWelcome To Our ";

cout<<"\n\n\t\b\t\t\t\tBanking Project\n";

cout<<"\n\n\n\nPrepared By:";

cout<<"\n\n:1) Deepak kumar Pandey (XII A1)";

cout<<"\n\n:2) Sawan kumar Pal (XII A1)";

cout<<"\n\n:3) Nishant Srivastava (XII A1)";

cout<<”\n\n:4) Chandraprakash Chaubey (XII A1)”;

cout<<"\n\nSchool : Cetral Hindu Boy's School (k)";

getch();

}