

**ETAWAH**

**2019-2020**

**AN INVESTIGATORY PROJECT IN COMPUTER SCIENCE**

**ON**

“**BANK ACCOUNT MANAGEMENT SYSTEM”**

**PROPOSED BY- SUBMITTED BY-**

*Mr. ANIL KUMAR SHIVANSH YADAV*

**CERTIFICATE**

This to certify that the investigatory project entitled “**BANK ACCOUNT MANAGEMENT SYSTEM”** is an original work done by *SHIVANSH YADAV* during the academic year 2019-20 under the able guidance and supervision of *Mr. ANIL KUMAR*.

Lecturer in-charge Examiner’s signature

Mr. ANIL KUMAR

Place: - St. Mary’s Inter College, ETAWAH

Date: -

School seal

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**DECLARATION**

I *SHIVANSH YADAV* of class XII Science stream do hereby declare that the investigatory project work entitled

“**BANK ACCOUNT MANAGEMENT SYSTEM”**

is an original work done by me during the academic year 2019-20 under the able guidance and supervision of *Mr. ANIL KUMAR*.

SIGNATURE OF GUIDE:-

Mr. ANIL KUMAR ABHISHEK GUPTA

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**ACKNOWLEDGEMENT**

I *SHIVANSH YADAV,* class XII science stream St. Mary’s Inter College, ETAWAH is genuinely thankful to my teacher *Mr. ANIL KUMAR* for his able guidance and help which I received for the completion of my project “**BANK ACCOUNT MANAGEMENT SYSTEM”**. I am also thankful to my Parents, Principal and co-students who have always given me immense support which was required for the successful completion of this project. Above all I want to thank GOD ALMIGHTY for his kind blessings, without which things would not have been moulded into desired shape.

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**INTRODUCTION**

C++ is a statically typed, compiled, general purpose, case-sensitive, free-form programming language that supports procedural, object-oriented, and generic programming. C++ is regarded as a middle-level language, as it comprises a combination of both high-level and low-level language features. C++ was developed by Bjarne Stroustrup starting in 1979 at Bell Labs in Murray Hill, New Jersey as an enhancement to the C language and originally named C with Classes but later it was renamed C++ in 1983. C++ is a superset of C, and that virtually any legal C program is a legal C++ program. The most important thing to do when learning C++ is to focus on concepts and not get lost in language technical details. This software is developed in the programming language C++available in the syllabus of CBSE XII for the academic year 2018-2019.

The reforms in the 1990s, which led to expansion, consolidation and liberalization of the banking and financial sector in India, brought in many changes and challenges. A num­ber of private and foreign players entered the Indian market with

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superior technologies that helped them service their customers efficiently through multiple channels such as ATMs and online banking. Indian banks on the other hand have been using IT more out of com­pulsion and primarily for transaction processing. They now need to adopt IT to reposition banks into the integrated financial services market.

The need for providing improved customer service, reducing transaction costs and increasing productivity, shall be the main drivers for banking sector to adopt IT. These con­siderations are particularly important for public sector banks in India, who are facing im­mense competition from private and foreign banks. IT can help them move from the present scenario where they are working as isolated islands to providing a centralized banking ex­perience. There is a need today for IT and the financial community to come together and develop customized IT solution to make the Indian Banking sector globally competitive. IT adoption in the banking sector will provide real time availability of transaction pro­cessing through multiple channels. It would enhance a bank's ability to cross sell products, ensure better management and security and safety of funds and increase efficiency through integration of systems across various locations.

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It would also ensure efficient management of Non Performing Assets (NPAs), minimize transaction costs, enhance ability to conduct in-depth financial analysis and gather business intelligence. Enhanced use of IT would also encourage the use of Internet to provide access for online bill payments, funds transfers and e- statements in addition to encouraging wireless mobile banking and e-commerce.

With growing competition faced by foreign banks and financial institutions, the public sector banks in co-operation with the Indian IT industry would need to equip themselves for the next phase of introducing the benefits of IT to their customers by providing a centralized banking solution.

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**AIM OF THE PROJECT**

Bank Management System is based on a concept of recording customer’s account details. Here the user can perform all the tasks like creating an account, deposit amount, withdraw amount, check balance, view all account holders detail, close an account and modify an account. There’s no login system for this project. All the main features for banking system are set in this project.

Talking about the features of the Bank Management System, a user can create an account by providing the name of the account holder, account number, select amount type whether it is Saving account or Current account and providing an initial amount. Then the user can also deposit and withdraw money just by providing his/her account, then the system displays his/her profile and entering an amount. For certain purpose, he/she can also check for the balance inquiry which displays the account holder’s name with account number type and amount. He/she can also check for all the account holder’s list. Another feature is that the user can also close their account by providing their account number and he/she can modify their account detail and type if they want to.

4

This project uses classes and file handling features of C++. In order to store all the user’s data, an external file (DAT file) is created by the system, so every time we get into the system we can operate with the existing accounts. Bank Management System is developed using C++ Programming Language and different variables, strings have been used for the development of it. This project provides the simplest system for managing banking system.

5

**LIMITATIONS OF THE EXISTING SYSTEM**

**File lost**

When computerized system is not implemented file is always lost because of human environment. Sometimes due to some human error there may be a loss of records.

 **File damaged**

When a computerized system is not there file is always lost due to some accident like spilling of water by some member on file accidentally. Besides some natural disaster like floods or fires may also damage the files.

** Difficult to search record**

When there is no computerized system there is always a difficulty in searching of records if the records are large in number .

6

 **Space consuming**

After the number of records become large the space for physical storage of file and records also increases if no computerized system is implemented.

 **Cost consuming**

As there is no computerized system then to add each record paper will be needed which will increase the cost for the management of library.

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**SYSTEM REQUIREMENTS**

HARDWARE REQUIREMENTS

Processor: Intel Pentium IVRAM: 512 MBHard Disk: 40GB

SOFTWARE REQUIREMENTS

Operating System: Windows 98, 2000, XP, 7, 8, 8.1, 10Tools: Turbo C++ 3.0Technologies: DOS 7.0

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**SOURCE CODE**

#include<fstream.h>

#include<conio.h>

#include<process.h>

#include<stdio.h>

#include<ctype.h>

#include<string.h>

#include<dos.h>

#include<stdlib.h>

#include<stdio.h>

void frame()

{

int i,j;

for(i=3,j=1;i<78;i++,j++)

{

gotoxy(i,2);

cout<<char(205);

sound(j\*10);

9

delay(10);

nosound();

}

nosound();

for(i=3;i<47;i++,j++)

{

gotoxy(77,i);

cout<<char(205);

sound(j\*20);

delay(10);

nosound();

}

nosound();

for(i=77;i>2;i--,j--)

{

gotoxy(i,47);

cout<<char(205);

sound(j\*20);

delay(10);

10

nosound();

}

nosound();

for(i=46;i>2;i--,j--)

{gotoxy(3,i);

cout<<char(205);

sound(j\*10);

delay(10);

nosound();

}

nosound();

}

class bank

{int accno;

char n[50],actype,phone[11];

float balance;

public:

void accept()

{gotoxy(18,16);

cout<<"Enter the account no. ";

11

cin>>accno;

gotoxy(18,18);

cout<<"Enter the name ";

cin.get();

cin.getline(n,20);

while(1)

{gotoxy(18,20);

cout<<"Enter the account type S or C";

gotoxy(18,21);

cout<<"(S for Saving Account and C for Current Account) ";

cin>>actype;

if(toupper(actype)=='S'||toupper(actype)=='C')

break;

else

{gotoxy(18,22);

cout<<"Enter the account type as S or C only ";

}}

12

gotoxy(18,24);

cout<<"Enter the balance ";

cin>>balance;

gotoxy(18,26);

cout<<"Enter the phone no. ";

cin>>phone;

cout<<'\n';

}

void modify()

{

gotoxy(18,18);

cout<<"Enter the name ";

cin.get();

cin.getline(n,20);

while(1)

{gotoxy(18,20);

cout<<"Enter the account type S or C ";

gotoxy(18,21);

cout<<"(S for Saving Account and C for Current Account) ";

13

cin>>actype;

if(toupper(actype)=='S'||toupper(actype)=='C')

break;

else

{gotoxy(18,22);

cout<<"Enter the account type as S or C only ";

}}

gotoxy(18,24);

cout<<"Enter the balance ";

cin>>balance;

gotoxy(18,26);

cout<<"Enter the phone no. ";

cin>>phone;

cout<<'\n';

}

void display()

{gotoxy(18,16);

14

cout<<"Account No. "<<accno<<'\n';

gotoxy(18,18);

cout<<"Name "<<n<<'\n';

gotoxy(18,20);

cout<<"Account type "<<actype<<'\n';

gotoxy(18,22);

cout<<"Balance "<<balance<<'\n';

gotoxy(18,24);

cout<<"Phone No. "<<phone<<'\n'<<'\n';

}

void deposit(float a)

{balance+=a;

gotoxy(18,20);

cout<<"Your amount is deposited."<<'\n'<<'\n';

}

void withdraw(float a)

{if(balance-1000>=a)

15

{balance-=a;

gotoxy(18,20);

cout<<"Your amount is withdrawn."<<'\n'<<'\n';

}

else

{ gotoxy(18,20);

cout<<"Withdrawl is not possible."<<'\n'<<'\n';

} }

int search(int acc)

{if(accno==acc)

return (1);

else

return (0);

}

};

class loan

{int accno,d,m,y;

char n[50],actype,phone[11],lid[20];

float balance,amt;

public:

16

void accept()

{gotoxy(18,16);

cout<<"Enter loan id ";

cin>>lid;

gotoxy(18,18);

cout<<"Enter the account no. ";

cin>>accno;

gotoxy(18,20);

cout<<"Enter the name ";

cin.get();

cin.getline(n,20);

while(1)

{gotoxy(18,22);

cout<<"Enter the account type S or C";

gotoxy(18,23);

cout<<" (S for Saving Account and C for Current Account) ";

cin>>actype;

17

if(toupper(actype)=='S'||toupper(actype)=='C')

break;

else

{gotoxy(18,24);

cout<<"Enter the account type as S or C only ";

}}

gotoxy(18,26);

cout<<"Enter the balance ";

cin>>balance;

gotoxy(18,28);

cout<<"Enter the phone no. ";

cin>>phone;

gotoxy(18,30);

cout<<"Enter the loan amount ";

cin>>amt;

gotoxy(18,32);

cout<<"Enter the date of issuing loan ";

18

gotoxy(50,32);

cin>>d;

gotoxy(53,32);

cin>>m;

gotoxy(56,32);

cin>>y;

cout<<'\n';

}

void modify()

{ gotoxy(18,20);

cout<<"Enter the name ";

cin.get();

cin.getline(n,20);

while(1)

{gotoxy(18,22);

cout<<"Enter the account type S or C ";

gotoxy(18,23);

cout<<"(S for Saving Account and C for Current Account) ";

cin>>actype;

19

if(toupper(actype)=='S'||toupper(actype)=='C')

break;

else

{gotoxy(18,24);

cout<<"Enter the account type as S or C only ";

}}

gotoxy(18,26);

cout<<"Enter the balance ";

cin>>balance;

gotoxy(18,28);

cout<<"Enter the phone no. ";

cin>>phone;

gotoxy(18,30);

cout<<"Enter the loan amount ";

cin>>amt;

gotoxy(18,32);

cout<<"Enter the date of issuing loan ";

gotoxy(50,32);

20

cin>>d;

gotoxy(53,32);

cin>>m;

gotoxy(56,32);

cin>>y;

cout<<'\n';

}

void display()

{gotoxy(18,16);

cout<<"Loan ID "<<lid<<'\n';

gotoxy(18,18);

cout<<"Account No. "<<accno<<'\n';

gotoxy(18,20);

cout<<"Name "<<n<<'\n';

gotoxy(18,22);

cout<<"Account type "<<actype<<'\n';

21

gotoxy(18,24);

cout<<"Balance "<<balance<<'\n';

gotoxy(18,26);

cout<<"Loan amount "<<amt<<'\n';

gotoxy(18,28);

cout<<"Date of issuing loan "<<d<<'-'<<m<<'-'<<y<<'\n';

gotoxy(18,30);

cout<<"Phone No. "<<phone<<'\n'<<'\n';

}

void depositloan(float a)

{amt=amt-a;

gotoxy(18,24);

cout<<"Your amount is deposited"<<'\n';

gotoxy(18,26);

cout<<"Your remaining loan amount is "<<amt<<'\n';

}

void loantime(int a)

{if(y<y+a)

22

{amt=amt+(a\*0.1\*amt);

}

gotoxy(18,22);

cout<<"Your total loan amount with "<<a<<" year interest is "<<amt<<'\n';

}

int search(int acc,char id[])

{if(accno==acc&&strcmp(lid,id)==0)

return (1);

else

return (0);

}

};

void main()

{clrscr();

fstream obj,obj1;

bank b;

loan ln;

int l,a,i,j,ch,t,c=0;

float amt;

char id[100];

23

char chmain;

textmode(C40);

textcolor(RED);

gotoxy(17,11);

char y1[]="Loading...";

cputs(y1);

char y2='-';

textcolor(GREEN);

for(i=0;i<3;i++)

{

for(j=17;j<28;j++)

{

gotoxy(j,14);

clreol();

putch(y2);

delay(100);

}

clreol();

24

delay(100);

}

textcolor(GREEN);

char z[]=" WELCOME TO";

char z1[]="ST.MARY'S INTER COLLEGE";

for(i=1;i<12;i++)

{

clrscr();

gotoxy(10,i);

cputs(z);

gotoxy(10,i+1);

cputs(z1);

sound(i\*50);

delay(300);

}

nosound();

for(i=4;i<39;i+=2)

{

gotoxy(i,17);

cout<<char(5);

25

}

for(i=1;i<200;i=i+10)

{

sound(i\*20);

delay(100);

nosound();

}

nosound();

textmode(3);

textmode(C4350);

textbackground(BLACK);

textcolor(RED);

frame();

gotoxy(1,3);

cout<<" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ST MARY'S INTER COLLEGE \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";

gotoxy(24,5);

cout<<"\*\*\*\* WELCOME TO THE PROJECT OF C++ \*\*\*\*";

gotoxy(22,10);

26

cout<<'\t'<<"ON BANK MANAGEMENT SYSTEM";

gotoxy(10,25);

cout<<"Under The Guidance Of-" ;

gotoxy(11,30);

cout<< "MR ANIL KUMAR" ;

gotoxy(50,25);

cout<<"Submitted by-";

gotoxy(51,30);

cout<<"SHIVANSH YADAV"<<endl;

cout<<" ";

getch();

clrscr();

gotoxy(24,18);

cout<<"WELCOME TO THE BANK MANAGEMENT SYSTEM"<<'\n';

cout<<" ";

getch();

do

{clrscr();

27

gotoxy(24,6);

cout<<"Main menu"<<'\n';

gotoxy(24,8);

cout<<"1-Add records."<<'\n';

gotoxy(24,10);

cout<<"2-Deposit money."<<'\n';

gotoxy(24,12);

cout<<"3-Withdraw money."<<'\n';

gotoxy(24,14);

cout<<"4-Display single account details."<<'\n';

gotoxy(24,16);

cout<<"5-Display all accounts details."<<'\n';

gotoxy(24,18);

cout<<"6-Modify a account holder's details"<<'\n';

28

gotoxy(24,20);

cout<<"7-Delete a account holder's details"<<'\n';

gotoxy(24,22);

cout<<"8-Issue a loan."<<'\n';

gotoxy(24,24);

cout<<"9-Return a loan."<<'\n';

gotoxy(24,26);

cout<<"10-Display single loan details."<<'\n';

gotoxy(24,28);

cout<<"11-Display all loan details."<<'\n';

gotoxy(24,30);

cout<<"12-Modify loan details."<<'\n';

gotoxy(24,32);

cout<<"13-Delete a loan account."<<'\n';

29

gotoxy(24,34);

cout<<"14-Exit"<<'\n';

gotoxy(24,36);

cout<<"Enter your choice ";

cin>>ch;

cout<<'\n';

clrscr();

switch(ch)

{case 1:

obj.open("bank.dat",ios::binary|ios::app);

b.accept();

obj.write((char\*)&b,sizeof(b));

obj.close();

break;

case 2:

obj.open("bank.dat",ios::binary|ios::in|ios::out);

gotoxy(18,16);

cout<<"Enter the account no. ";

cin>>a;

30

gotoxy(18,18);

cout<<"Enter the amount to be deposited ";

cin>>amt;

c=0;

while(!obj.eof())

{obj.read((char\*)&b,sizeof(b));

l=b.search(a);

c++;

if(l==1)

{b.deposit(amt);

obj.seekp((c-1)\*sizeof(b),ios::beg);

obj.write((char\*)&b,sizeof(b));

break;

}

}

if(l==0)

{clrscr();

gotoxy(18,20);

cout<<"Account not found."<<'\n';

}

gotoxy(18,50);

31

cout<<"Press any key.....";

getch();

obj.close();

break;

case 3:

obj.open("bank.dat",ios::binary|ios::in|ios::out);

gotoxy(18,16);

cout<<"Enter the account no. ";

cin>>a;

gotoxy(18,18);

cout<<"Enter the amount to be withdrawn ";

cin>>amt;

c=0;

while(!obj.eof())

{obj.read((char\*)&b,sizeof(b));

l=b.search(a);

c++;

if(l==1)

{b.withdraw(amt);

32

obj.seekp((c-1)\*sizeof(b),ios::beg);

obj.write((char\*)&b,sizeof(b));

break;

}

}

if(l==0)

{clrscr();

gotoxy(18,20);

cout<<"Account not found."<<'\n';

}

gotoxy(18,50);

cout<<"Press any key.....";

getch();

obj.close();

break;

case 4:

gotoxy(18,14);

cout<<"Enter the account no. ";

cin>>a;

obj.open("bank.dat",ios::binary|ios::in);

while(!obj.eof())

33

{obj.read((char\*)&b,sizeof(b));

l=b.search(a);

if(l==1)

{b.display();

break;

}

}

if(l==0)

{clrscr();

gotoxy(18,20);

cout<<"Account not found."<<'\n';

}

gotoxy(18,50);

cout<<"Press any key.....";

getch();

obj.close();

break;

case 5:

obj.open("bank.dat",ios::binary|ios::in);

while(!obj.eof())

{clrscr();

34

obj.read((char\*)&b,sizeof(b));

if(obj.eof())

break;

b.display();

gotoxy(18,50);

cout<<"Press any key.....";

getch();

}

obj.close();

break;

case 6:

gotoxy(18,16);

cout<<"Enter the account number ";

cin>>a;

obj.open("bank.dat",ios::binary|ios::in|ios::out);

c=0;

while(!obj.eof())

{obj.read((char\*)&b,sizeof(b));

l=b.search(a);

c++;

35

if(l==1)

{b.modify();

obj.seekp((c-1)\*sizeof(b),ios::beg);

obj.write((char\*)&b,sizeof(b));

break;

}

}

if(l==0)

if(l==0)

{clrscr();

gotoxy(18,20);

cout<<"Account not found."<<'\n';

}

gotoxy(18,32);

cout<<"Press any key.....";

getch();

obj.close();

break;

case 7:

obj.open("bank.dat",ios::binary|ios::in);

obj1.open("temp.dat",ios::binary|ios::out);

36

char confirm='n';

gotoxy(18,14);

cout<<"Enter the account number to be delete ";

cin>>a;

int tt=0;

while(!obj.eof())

{obj.read((char\*)&b,sizeof(b));

if(obj.eof())

break;

l=b.search(a);

if(l==1)

{b.display();

gotoxy(18,32);

cout<<"Are you sure you want to delete this account?(y/n) ";

cin>>confirm;

if(toupper(confirm)=='N')

obj1.write((char\*)&b,sizeof(b));

}

37

else

{tt=1;

obj1.write((char\*)&b,sizeof(b));

}

}

obj.close();

obj1.close();

remove("bank.dat");

rename("temp.dat","bank.dat");

if(tt==1)

{

clrscr();

obj.open("bank.dat",ios::binary|ios::in);

gotoxy(18,14);

cout<<"Now the accounts are "<<'\n';

while(!obj.eof())

{obj.read((char\*)&b,sizeof(b));

if(obj.eof())

break;

b.display();

}

38

t=2;

}

if(tt==2)

{clrscr();

gotoxy(18,20);

cout<<"Account not found."<<'\n';

}

gotoxy(18,50);

cout<<"Press any key.....";

getch();

obj.close();

break;

case 8:

obj.open("loan.dat",ios::binary|ios::app);

ln.accept();

obj.write((char\*)&ln,sizeof(ln));

gotoxy(18,40);

cout<<"Your loan is issued."<<'\n';

obj.close();

39

gotoxy(18,50);

cout<<"Press any key.....";

getch();

break;

case 9:

obj.open("loan.dat",ios::binary|ios::in|ios::out);

gotoxy(18,14);

cout<<"Enter the account no. ";

cin>>a;

gotoxy(18,16);

cout<<"Enter the loan id ";

cin>>id;

gotoxy(18,18);

cout<<"Enter the amount to be return for loan ";

cin>>amt;

gotoxy(18,20);

40

cout<<"Enter the time period ";

cin>>t;

c=0;

while(!obj.eof())

{obj.read((char\*)&ln,sizeof(ln));

l=ln.search(a,id);

c++;

if(l==1)

{ln.loantime(t);

ln.depositloan(amt);

obj.seekp((c-1)\*sizeof(ln),ios::beg);

obj.write((char\*)&ln,sizeof(ln));

break;

}

}

if(l==0)

{clrscr();

gotoxy(18,20);

cout<<"Account not found."<<'\n';

}

gotoxy(18,50);

41

cout<<"Press any key.....";

getch();

obj.close();

break;

case 10:

gotoxy(18,12);

cout<<"Enter the account no. ";

cin>>a;

gotoxy(18,14);

cout<<"Enter the loan id ";

cin>>id;

obj.open("loan.dat",ios::binary|ios::in);

while(!obj.eof())

{obj.read((char\*)&ln,sizeof(ln));

l=ln.search(a,id);

if(l==1)

{ln.display();

break;

}

}

42

if(l==0)

{clrscr();

gotoxy(18,20);

cout<<"Account not found."<<'\n';

}

gotoxy(18,50);

cout<<"Press any key.....";

getch();

obj.close();

break;

case 11:

obj.open("loan.dat",ios::binary|ios::in);

while(!obj.eof())

{clrscr();

obj.read((char\*)&ln,sizeof(ln));

if(obj.eof())

break;

ln.display();

gotoxy(18,50);

cout<<"Press any key.....";

43

getch();

}

obj.close();

break;

case 12:

gotoxy(18,16);

cout<<"Enter the account number ";

cin>>a;

gotoxy(18,18);

cout<<"Enter the loan id ";

cin>>id;

obj.open("loan.dat",ios::binary|ios::in|ios::out);

c=0;

while(!obj.eof())

{obj.read((char\*)&ln,sizeof(ln));

l=ln.search(a,id);

c++;

if(l==1)

{ln.modify();

44

obj.seekp((c-1)\*sizeof(ln),ios::beg);

obj.write((char\*)&ln,sizeof(ln));

break;

}

}

if(l==0)

{clrscr();

gotoxy(18,20);

cout<<"Account not found."<<'\n';

}

gotoxy(18,50);

cout<<"Press any key.....";

getch();

obj.close();

break;

case 13:

obj.open("loan.dat",ios::binary|ios::in);

obj1.open("temp.dat",ios::binary|ios::out);

confirm='n';

45

gotoxy(18,10);

cout<<"Enter the account number to be delete ";

cin>>a;

gotoxy(18,12);

cout<<"Enter the loan id ";

cin>>id;

tt=0;

while(!obj.eof())

{obj.read((char\*)&ln,sizeof(ln));

if(obj.eof())

break;

l=ln.search(a,id);

if(l==1)

{ln.display();

gotoxy(18,32);

cout<<"Are you sure you want to delete this account?(y/n) ";

cin>>confirm;

if(toupper(confirm)=='N')

obj1.write((char\*)&ln,sizeof(ln));

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}

else

{tt=1;

obj1.write((char\*)&ln,sizeof(ln));

}

}

obj.close();

obj1.close();

remove("loan.dat");

rename("temp.dat","loan.dat");

if(tt==1)

{

clrscr();

obj.open("loan.dat",ios::binary|ios::in);

gotoxy(18,14);

cout<<"Now the accounts are "<<'\n';

while(!obj.eof())

{obj.read((char\*)&ln,sizeof(ln));

if(obj.eof())

break;

ln.display();

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}

t=2;

}

if(tt==2)

{clrscr();

gotoxy(18,20);

cout<<"Account not found."<<'\n';

}

gotoxy(18,50);

cout<<"Press any key.....";

getch();

obj.close();

break;

case 14:

gotoxy(18,22);

cout<<"Closing.....";

delay(2000);

exit(0);

default:

cout<<"INVALID INPUT"<<'\n';

}

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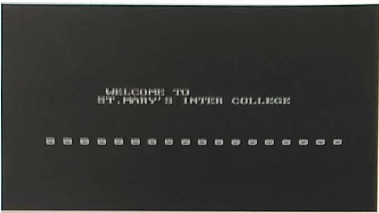
cout<<'\n';

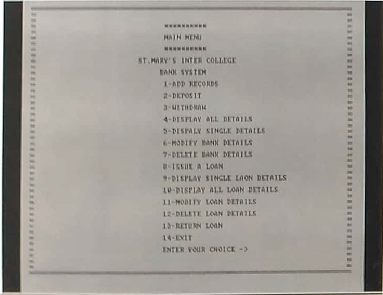
}while(1);

}

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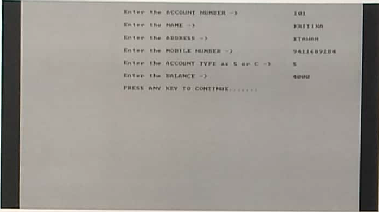
**SAMPLE INPUT/OUTPUT**

****

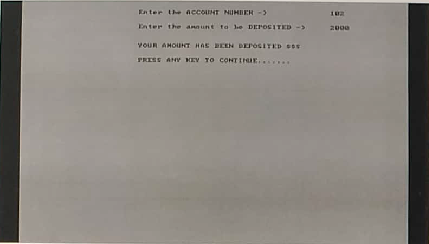
****

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**Add Records**

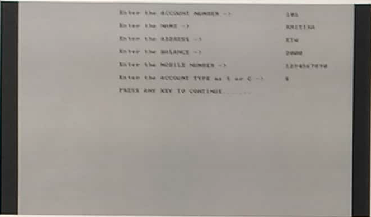
****

**To Deposit**

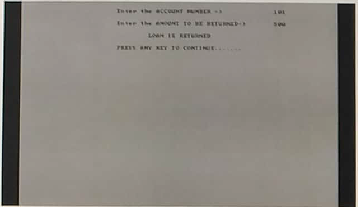
****

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**Issue a Loan**

****

**Return a Loan**

****

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**CONCLUSION**

After we have completed the project we are sure the problems in the existing system would overcome. The “**BANK ACCOUNT MANAGEMENT SYSTEM”** process made computerized to reduce human errors and to increase the efficiency. The main focus of this project is to lessen Human efforts. The maintenance of the records is made efficient, as all the records are stored in the data file, through which data can be retrieved easily. The navigation control is provided in all the forms to navigate through the large amount of records. If the numbers of records are very large then user has to just type in the search string and user gets the results immediately. The Account holders are given a particular unique id number, so that they can be accessed correctly and without errors. Our main aim of the project is to get the correct information about a particular customer in the bank. The

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problems, which existed in the earlier system, have been removed to a large extent. And it is expected that this project will go a long way in satisfying users requirements. The computerization of the Bank will not only improves the efficiency but will also reduce human stress thereby indirectly improving human recourses.

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