**C++ Project on Library Management using file handling**

**Features**

* Add books
* Admin login
* User name and password
* Delete books
* Update books
* List of complete books store the file and delete the books in file
* Issue Books
* Re-Issue Books
* Search for a specific book
* View issued books
* Search students who have issued books

**SYNOPSIS**

Library management system, as the name suggests is a program designed to feed all information of a student. Like a librarian, it goes through the symptoms one by one to figure out if the student actually have come to library. If the student had come to library, it gathers further information to determine if the student is there or not. All in all, this digital library has plentiful applications in the management field.

**Source Code**

#include<iostream>

#include<stdio.h>

#include<stdlib.h>

#include<fstream>

#include<string.h>

#include<conio.h>

using namespace std;

class Lib

{

public:

char bookname[100], auname[50], sc[20], sc1[50];

int q,B,p;

Lib()

{

strcpy(bookname,"NO Book Name");

strcpy(auname,"No Author Name");

strcpy(sc,"No Book ID");

strcpy(sc1,"No Book ID");

q=0;

B=0;

p=0;

}

void get();

void student();

void pass();

void librarian();

void password();

void getdata();

void show(int);

void booklist(int);

void modify();

void see(int);

int branch(int);

void issue();

void der(char[],int,int);

void fine(int,int,int,int,int,int);

};

void Lib::getdata()

{

int i;

fflush(stdin);

cout<<"\n\t\tEnter the details :-\n";

cout<<"\n\t\tEnter Book's Name : ";

cin.getline(bookname,100);

for(i=0;bookname[i]!='\0';i++)

{

if(bookname[i]>='a'&&bookname[i]<='z')

bookname[i]-=32;

}

cout<<"\n\t\tEnter Author's Name : ";

cin.getline(auname,50);

cout<<"\n\t\tEnter Publication name : ";

cin.getline(sc1,50);

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(sc,20);

cout<<"\n\t\tEnter Book's Price : ";

cin>>p;

cout<<"\n\t\tEnter Book's Quantity : ";

cin>>q;

}

void Lib::show(int i)

{

cout<<"\n\t\tBook Name : "<<bookname<<endl;

cout<<"\n\t\tBook's Author Name : "<<auname<<endl;

cout<<"\n\t\tBook's ID : "<<sc<<endl;

cout<<"\n\t\tBook's Publication : "<<sc1<<endl;

if(i==2)

{

cout<<"\n\t\tBook's Price : "<<p<<endl;

cout<<"\n\t\tBook's Quantity : "<<q<<endl;

}

}

void Lib::booklist(int i)

{

int b,r=0;

system("cls");

b=branch(i);

system("cls");

ifstream intf("Booksdata.txt",ios::binary);

if(!intf)

cout<<"\n\t\tFile Not Found.";

else

{

cout<<"\n\t \*\*\*\*\*\*\*\*\*\*\*\* Book List \*\*\*\*\*\*\*\*\*\*\*\* \n\n";

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

if(b==B)

{

if(q==0 && i==1)

{

}

else

{

r++;

cout<<"\n\t\t\*\*\*\*\*\*\*\*\*\* "<<r<<". \*\*\*\*\*\*\*\*\*\* \n";

show(i);

}

}

intf.read((char\*)this,sizeof(\*this));

}

}

cout<<"\n\t\tPress any key to continue.....";

getch();

system("cls");

if(i==1)

student();

else

librarian();

}

void Lib::modify()

{

char ch,st1[100];

int i=0,b,cont=0;

system("cls");

cout<<"\n\t\t>>Please Choose one option :-\n";

cout<<"\n\t\t1.Modification In Current Books\n\n\t\t2.Add New Book\n\n\t\t3.Delete A Book\n\n\t\t4.Go back\n";

cout<<"\n\n\t\tEnter your choice : ";

cin>>i;

if(i==1)

{

system("cls");

b=branch(2);

ifstream intf1("Booksdata.txt",ios::binary);

if(!intf1)

{

cout<<"\n\t\tFile Not Found\n";

cout<<"\n\t\tPress any key to continue.....";

getch();

system("cls");

librarian();

}

intf1.close();

system("cls");

cout<<"\n\t\tPlease Choose One Option :-\n";

cout<<"\n\t\t1.Search By Book Name\n\n\t\t2.Search By Book's ID\n";

cout<<"\n\t\tEnter Your Choice : ";

cin>>i;

fflush(stdin);

if(i==1)

{

system("cls");

cout<<"\n\t\tEnter Book Name : ";

cin.getline(st1,100);

system("cls");

fstream intf("Booksdata.txt",ios::in|ios::out|ios::ate|ios::binary);

intf.seekg(0);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;b==B&&bookname[i]!='\0'&&st1[i]!='\0'&&(st1[i]==bookname[i]||st1[i]==bookname[i]+32);i++);

if(bookname[i]=='\0'&&st1[i]=='\0')

{

cont++;

getdata();

intf.seekp(intf.tellp()-sizeof(\*this));

intf.write((char\*)this,sizeof(\*this));

break;

}

intf.read((char\*)this,sizeof(\*this));

}

intf.close();

}

else if(i==2)

{

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(st1,100);

system("cls");

fstream intf("Booksdata.txt",ios::in|ios::out|ios::ate|ios::binary);

intf.seekg(0);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;b==B&&sc[i]!='\0'&&st1[i]!='\0'&&st1[i]==sc[i];i++);

if(sc[i]=='\0'&&st1[i]=='\0')

{

cont++;

getdata();

intf.seekp(intf.tellp()-sizeof(\*this));

intf.write((char\*)this,sizeof(\*this));

break;

}

intf.read((char\*)this,sizeof(\*this));

}

intf.close();

}

else

{

cout<<"\n\t\tIncorrect Input.....:(\n";

cout<<"\n\t\tPress any key to continue.....";

getch();

system("cls");

modify();

}

if(cont==0)

{

cout<<"\n\t\tBook Not Found.\n";

cout<<"\n\t\tPress any key to continue.....";

getch();

system("cls");

modify();

}

else

cout<<"\n\t\tUpdate Successful.\n";

}

else if(i==2)

{

system("cls");

B=branch(2);

system("cls");

getdata();

ofstream outf("Booksdata.txt",ios::app|ios::binary);

outf.write((char\*)this,sizeof(\*this));

outf.close();

cout<<"\n\t\tBook added Successfully.\n";

}

else if(i==3)

{

system("cls");

b=branch(2);

ifstream intf1("Booksdata.txt",ios::binary);

if(!intf1)

{

cout<<"\n\t\tFile Not Found\n";

cout<<"\n\t\tPress any key to continue.....";

getch();

intf1.close();

system("cls");

librarian();

}

intf1.close();

system("cls");

cout<<"\n\t\tPlease Choose One Option for deletion:-\n";

cout<<"\n\t\t1.By Book Name\n\n\t\t2.By Book's ID\n";

cout<<"\n\t\tEnter Your Choice : ";

cin>>i;

fflush(stdin);

if(i==1)

{

system("cls");

cout<<"\n\t\tEnter Book Name : ";

cin.getline(st1,100);

ofstream outf("temp.txt",ios::app|ios::binary);

ifstream intf("Booksdata.txt",ios::binary);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;b==B&&bookname[i]!='\0'&&st1[i]!='\0'&&(st1[i]==bookname[i]||st1[i]==bookname[i]+32);i++);

if(bookname[i]=='\0'&&st1[i]=='\0')

{

cont++;

intf.read((char\*)this,sizeof(\*this));

}

else

{

outf.write((char\*)this,sizeof(\*this));

intf.read((char\*)this,sizeof(\*this));

}

}

intf.close();

outf.close();

remove("Booksdata.txt");

rename("temp.txt","Booksdata.txt");

}

else if(i==2)

{

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(st1,100);

ofstream outf("temp.txt",ios::app|ios::binary);

ifstream intf("Booksdata.txt",ios::binary);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;b==B&&sc[i]!='\0'&&st1[i]!='\0'&&st1[i]==sc[i];i++);

if(sc[i]=='\0'&&st1[i]=='\0')

{

cont++;

intf.read((char\*)this,sizeof(\*this));

}

else

{

outf.write((char\*)this,sizeof(\*this));

intf.read((char\*)this,sizeof(\*this));

}

}

outf.close();

intf.close();

remove("Booksdata.txt");

rename("temp.txt","Booksdata.txt");

}

else

{

cout<<"\n\t\tIncorrect Input.....:(\n";

cout<<"\n\t\tPress any key to continue.....";

getch();

system("cls");

modify();

}

if(cont==0)

{

cout<<"\n\t\tBook Not Found.\n";

cout<<"\n\t\tPress any key to continue.....";

getch();

system("cls");

modify();

}

else

cout<<"\n\t\tDeletion Successful.\n";

}

else if(i==4)

{

system("cls");

librarian();

}

else

{

cout<<"\n\t\tWrong Input.\n";

cout<<"\n\t\tPress any key to continue.....";

getch();

system("cls");

modify();

}

cout<<"\n\t\tPress any key to continue.....";

getch();

system("cls");

librarian();

}

int Lib::branch(int x)

{

int i;

cout<<"\n\t\t>>Please Choose one Branch :-\n";

cout<<"\n\t\t1.BIT\n\n\t\t2.EE\n\n\t\t3.EC\n\n\t\t4.CIVIL\n\n\t\t5.MECHANICAL\n\n\t\t6.1ST YEAR\n\n\t\t7.Go to menu\n";

cout<<"\n\t\tEnter youur choice : ";

cin>>i;

switch(i)

{

case 1: return 1;

break;

case 2: return 2;

break;

case 3: return 3;

break;

case 4: return 4;

break;

case 5: return 5;

break;

case 6: return 6;

break;

case 7: system("cls");

if(x==1)

student();

else

librarian();

default : cout<<"\n\t\tPlease enter correct option :(";

getch();

system("cls");

branch(x);

}

}

void Lib::see(int x)

{

int i,b,cont=0;

char ch[100];

system("cls");

b=branch(x);

ifstream intf("Booksdata.txt",ios::binary);

if(!intf)

{

cout<<"\n\t\tFile Not Found.\n";

cout<<"\n\t\t->Press any key to continue.....";

getch();

system("cls");

if(x==1)

student();

else

librarian();

}

system("cls");

cout<<"\n\t\tPlease Choose one option :-\n";

cout<<"\n\t\t1.Search By Name\n\n\t\t2.Search By Book's ID\n";

cout<<"\n\t\tEnter Your Choice : ";

cin>>i;

fflush(stdin);

intf.read((char\*)this,sizeof(\*this));

if(i==1)

{

cout<<"\n\t\tEnter Book's Name : ";

cin.getline(ch,100);

system("cls");

while(!intf.eof())

{

for(i=0;b==B&&q!=0&&bookname[i]!='\0'&&ch[i]!='\0'&&(ch[i]==bookname[i]||ch[i]==bookname[i]+32);i++);

if(bookname[i]=='\0'&&ch[i]=='\0')

{

cout<<"\n\t\tBook Found :-\n";

show(x);

cont++;

break;

}

intf.read((char\*)this,sizeof(\*this));

}

}

else if(i==2)

{

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(ch,100);

system("cls");

while(!intf.eof())

{

for(i=0;b==B&&q!=0&&sc[i]!='\0'&&ch[i]!='\0'&&ch[i]==sc[i];i++);

if(sc[i]=='\0'&&ch[i]=='\0')

{

cout<<"\n\t\tBook Found :-\n";

show(x);

cont++;

break;

}

intf.read((char\*)this,sizeof(\*this));

}

}

else

{

cont++;

cout<<"\n\t\tPlease enter correct option :(";

getch();

system("cls");

see(x);

}

intf.close();

if(cont==0)

cout<<"\n\t\tThis Book is not available :( \n";

cout<<"\n\t\tPress any key to continue.....";

getch();

system("cls");

if(x==1)

student();

else

librarian();

}

void Lib::issue()

{

char st[50],st1[20];

int b,i,j,d,m,y,dd,mm,yy,cont=0;

system("cls");

cout<<"\n\t\t->Please Choose one option :-\n";

cout<<"\n\t\t1.Issue Book\n\n\t\t2.View Issued Book\n\n\t\t3.Search student who isuued books\n\n\t\t4.Reissue Book\n\n\t\t5.Return Book\n\n\t\t6.Go back to menu\n\n\t\tEnter Your Choice : ";

cin>>i;

fflush(stdin);

if(i==1)

{

system("cls");

b=branch(2);

system("cls");

fflush(stdin);

cout<<"\n\t\t->Please Enter Details :-\n";

cout<<"\n\t\tEnter Book Name : ";

cin.getline(bookname,100);

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(sc,20);

//strcpy(st,sc);

der(sc,b,1);

cout<<"\n\t\tEnter Student Name : ";

cin.getline(auname,100);

cout<<"\n\t\tEnter Student's ID : ";

cin.getline(sc1,20);

cout<<"\n\t\tEnter date : ";

cin>>q>>B>>p;

ofstream outf("student.txt",ios::binary|ios::app);

outf.write((char\*)this,sizeof(\*this));

outf.close();

cout<<"\n\n\t\tIssue Successfully.\n";

}

else if(i==2)

{

ifstream intf("student.txt",ios::binary);

system("cls");

cout<<"\n\t\t->The Details are :-\n";

intf.read((char\*)this,sizeof(\*this));

i=0;

while(!intf.eof())

{

i++;

cout<<"\n\t\t\*\*\*\*\*\*\*\*\*\* "<<i<<". \*\*\*\*\*\*\*\*\*\* \n";

cout<<"\n\t\tStudent Name : "<<auname<<"\n\t\t"<<"Student's ID : "<<sc1<<"\n\t\t"<<"Book Name : "<<bookname<<"\n\t\t"<<"Book's ID : "<<sc<<"\n\t\t"<<"Date : "<<q<<"/"<<B<<"/"<<p<<"\n";

intf.read((char\*)this,sizeof(\*this));

}

intf.close();

}

else if(i==3)

{

system("cls");

fflush(stdin);

cout<<"\n\t\t->Please Enter Details :-\n";

cout<<"\n\n\t\tEnter Student Name : ";

cin.getline(st,50);

cout<<"\n\n\t\tEnter Student's ID : ";

cin.getline(st1,20);

system("cls");

ifstream intf("student.txt",ios::binary);

intf.read((char\*)this,sizeof(\*this));

cont=0;

while(!intf.eof())

{

for(i=0;sc1[i]!='\0'&&st1[i]!='\0'&&st1[i]==sc1[i];i++);

if(sc1[i]=='\0'&&st1[i]=='\0')

{

cont++;

if(cont==1)

{

cout<<"\n\t\t->The Details are :-\n";

cout<<"\n\t\tStudent Name : "<<auname;

cout<<"\n\t\tStudent's ID : "<<sc1;

}

cout<<"\n\n\t\t\*\*\*\*\*\*\* "<<cont<<". Book details \*\*\*\*\*\*\*\n";

cout<<"\n\t\tBook Name : "<<bookname;

cout<<"\n\t\tBook's ID : "<<sc;

cout<<"\n\t\tDate : "<<q<<"/"<<B<<"/"<<p<<"\n";

}

intf.read((char\*)this,sizeof(\*this));

}

intf.close();

if(cont==0)

cout<<"\n\t\tNo record found.";

}

else if(i==4)

{

system("cls");

fflush(stdin);

cout<<"\n\t\t->Please Enter Details :-\n";

cout<<"\n\n\t\tEnter Student's ID : ";

cin.getline(st,50);

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(st1,20);

fstream intf("student.txt",ios::in|ios::out|ios::ate|ios::binary);

intf.seekg(0);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;sc[i]!='\0'&&st1[i]!='\0'&&st1[i]==sc[i];i++);

for(j=0;sc1[j]!='\0'&&st[j]!='\0'&&st[j]==sc1[j];j++);

if(sc[i]=='\0'&&sc1[j]=='\0'&&st[j]=='\0'&&st1[i]=='\0')

{

d=q;

m=B;

y=p;

cout<<"\n\t\tEnter New Date : ";

cin>>q>>B>>p;

fine(d,m,y,q,B,p); //fn1

intf.seekp(intf.tellp()-sizeof(\*this)); //fn3

intf.write((char\*)this,sizeof(\*this)); //fn5

cout<<"\n\n\t\tReissue successfully."; //fn3

break;

}

intf.read((char\*)this,sizeof(\*this));

}

intf.close();

}

else if(i==5)

{

system("cls");

b=branch(2);

system("cls");

fflush(stdin);

cout<<"\n\t\t->Please Enter Details :-\n";

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(st1,20);

der(st1,b,2);

cout<<"\n\n\t\tEnter Student's ID : ";

cin.getline(st,20);

cout<<"\n\t\tEnter Present date : ";

cin>>d>>m>>y;

ofstream outf("temp.txt",ios::app|ios::binary);

ifstream intf("student.txt",ios::binary);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;sc[i]!='\0'&&st1[i]!='\0'&&st1[i]==sc[i];i++);

for(j=0;sc1[j]!='\0'&&st[j]!='\0'&&st[j]==sc1[j];j++);

if(sc[i]=='\0'&&sc1[j]=='\0'&&st[j]=='\0'&&st1[i]=='\0'&&cont==0)

{

cont++;

intf.read((char\*)this,sizeof(\*this));

fine(q,B,p,d,m,y);

cout<<"\n\t\tReturned successfully.";

}

else

{

outf.write((char\*)this,sizeof(\*this));

intf.read((char\*)this,sizeof(\*this));

}

}

intf.close();

outf.close();

getch();

remove("student.txt");

rename("temp.txt","student.txt");

}

else if(i==6)

{

system("cls");

librarian();

}

else

cout<<"\n\t\tWrong Input.\n";

cout<<"\n\n\t\tPress any key to continue.....";

getch();

system("cls");

librarian();

}

void Lib::fine(int d,int m,int y,int dd,int mm,int yy)

{

long int n1,n2;

int years,l,i;

const int monthDays[12] = {31, 28, 31, 30, 31, 30,31, 31, 30, 31, 30, 31};

n1 = y\*365 + d;

for (i=0; i<m - 1; i++)

n1 += monthDays[i]; //fn1353

years = y;

if (m <= 2)

years--;

l= years / 4 - years / 100 + years / 400;

n1 += l;

n2 = yy\*365 + dd;

for (i=0; i<mm - 1; i++)

n2 += monthDays[i];

years = yy;

if (m <= 2)

years--;

l= years / 4 - years / 100 + years / 400;

n2 += l;

n1=n2-n1;

n2=n1-15;

if(n2>0)

cout<<"\n\t\tThe Total Fine is : "<<n2;

}

void Lib::der(char st[],int b,int x)

{

int i,cont=0;

fstream intf("Booksdata.txt",ios::in|ios::out|ios::ate|ios::binary);

intf.seekg(0);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;b==B&&sc[i]!='\0'&&st[i]!='\0'&&st[i]==sc[i];i++);

if(sc[i]=='\0'&&st[i]=='\0')

{

cont++;

if(x==1)

{

q--;

}

else

{

q++;

}

intf.seekp(intf.tellp()-sizeof(\*this));

intf.write((char\*)this,sizeof(\*this));

break;

}

intf.read((char\*)this,sizeof(\*this));

}

if(cont==0)

{

cout<<"\n\t\tBook not found.\n";

cout<<"\n\n\t\tPress any key to continue.....";

getch();

system("cls");

issue();

}

intf.close();

}

void Lib::get()

{

int i;

cout<<"\n\t\*\*\*\*\*\*\*\*\*\*\* LIBRARY MANAGEMENT SYSTEM \*\*\*\*\*\*\*\*\*\*\*\n"<<"\n\t\t\t L M S C++\n";

cout<<"\n\t\t>>Please Choose Any Option To login \n";

cout<<"\n\t\t1.Student\n\n\t\t2.Librarian\n\n\t\t3.Close Application\n";

cout<<"\n\t\tEnter your choice : ";

cin>>i;

if(i==1)

{

system("cls");

student();

}

else if(i==2)

pass();

else if(i==3)

exit(0);

else

{

cout<<"\n\t\tPlease enter correct option :(";

getch();

system("CLS");

get();

}

}

void Lib::student()

{

int i;

cout<<"\n\t\*\*\*\*\*\*\*\*\*\*\*\* WELCOME STUDENT \*\*\*\*\*\*\*\*\*\*\*\*\n";

cout<<"\n\t\t>>Please Choose One Option:\n";

cout<<"\n\t\t1.View BookList\n\n\t\t2.Search for a Book\n\n\t\t3.Go to main menu\n\n\t\t4.Close Application\n";

cout<<"\n\t\tEnter your choice : ";

cin>>i;

if(i==1)

booklist(1);

else if(i==2)

see(1);

else if(i==3)

{

system("cls");

get();

}

else if(i==4)

exit(0);

else

{

cout<<"\n\t\tPlease enter correct option :(";

getch();

system("cls");

student();

}

}

void Lib::pass()

{

int i=0;

char ch,st[21],ch1[21]={"pass"};

cout<<"\n\t\tEnter Password : ";

while(1)

{

ch=getch();

if(ch==13)

{

st[i]='\0';

break;

}

else if(ch==8&&i>0)

{

i--;

cout<<"\b \b";

}

else

{

cout<<"\*";

st[i]=ch;

i++;

}

}

ifstream inf("password.txt");

inf>>ch1;

inf.close();

for(i=0;st[i]==ch1[i]&&st[i]!='\0'&&ch1[i]!='\0';i++);

if(st[i]=='\0'&&ch1[i]=='\0')

{

system("cls");

librarian();

}

else

{

cout<<"\n\n\t\tWrong Password.\n\n\t\ttry again.....\n";

getch();

system("cls");

get();

}

}

void Lib::librarian()

{

int i;

cout<<"\n\t\*\*\*\*\*\*\*\*\*\*\*\* WELCOME LIBRARIAN \*\*\*\*\*\*\*\*\*\*\*\*\n";

cout<<"\n\t\t>>Please Choose One Option:\n";

cout<<"\n\t\t1.View BookList\n\n\t\t2.Search for a Book\n\n\t\t3.Modify/Add Book\n\n\t\t4.Issue Book\n\n\t\t5.Go to main menu\n\n\t\t6.Change Password\n\n\t\t7.Close Application\n";

cout<<"\n\t\tEnter your choice : ";

cin>>i;

switch(i)

{

case 1:booklist(2);

break;

case 2:see(2);

break;

case 3:modify();

break;

case 4:issue();

break;

case 5:system("cls");

get();

break;

case 6:password();

break;

case 7:exit(0);

default:cout<<"\n\t\tPlease enter correct option :(";

getch();

system("cls");

librarian();

}

}

void Lib::password()

{

int i=0,j=0;

char ch,st[21],ch1[21]={"pass"};

system("cls");

cout<<"\n\n\t\tEnter Old Password : ";

while(1)

{

ch=getch();

if(ch==13)

{

st[i]='\0';

break;

}

else if(ch==8&&i>0)

{

i--;

cout<<"\b \b";

}

else

{

cout<<"\*";

st[i]=ch;

i++;

}

}

ifstream intf("password.txt");

intf>>ch1;

intf.close();

for(i=0;st[i]==ch1[i]&&st[i]!='\0'&&ch1[i]!='\0';i++);

if(st[i]=='\0'&&ch1[i]=='\0')

{

system("cls");

cout<<"\n\t\*\*The Password Should be less than 20 characters & don't use spaces\*\*\n\n";

cout<<"\n\t\tEnter New Password : ";

fflush(stdin);

i=0;

while(1)

{

j++;

ch=getch();

if(ch==13)

{

for(i=0;st[i]!=' '&&st[i]!='\0';i++);

if(j>20 || st[i]==' ')

{

cout<<"\n\n\t\tYou did't follow the instruction \n\n\t\tPress any key for try again.....";

getch();

system("cls");

password();

librarian();

}

st[i]='\0';

break;

}

else if(ch==8&&i>0)

{

i--;

cout<<"\b \b";

}

else

{

cout<<"\*";

st[i]=ch;

i++;

}

}

ofstream outf("password.txt");

outf<<st;

outf.close();

cout<<"\n\n\t\tYour Password has been changed Successfully.";

cout<<"\n\t\tPress any key to continue......";

getch();

system("cls");

librarian();

}

else

{

cout<<"\n\n\t\tPassword is incorrect.....\n";

cout<<"\n\t\tEnter 1 for retry or 2 for menu";

cin>>i;

if(i==1)

{

system("cls");

password();

}

else

{

system("cls");

librarian();

}

}

}

int main()

{

Lib obj;

obj.get();

getch();

return 0;

}