Experiment no : 06

#include<fstream>

//#include<conio.h>

#include<cstring>

#include<iomanip>

#include<iostream>

#include <cstdlib>

using namespace std;

class tour1

{

public:

int no\_of\_days;

char add[50],mobile\_no[10];

string date;

char name[20];

void customer\_data()

{

cout<<"Enter your name: ";

cin.ignore();

cin.getline(name ,20);

cout<<"Enter your address: ";

cin.ignore();

cin.getline(add ,50);

cout<<"Enter your mobile number: ";

cin.ignore();

cin.getline(mobile\_no ,10);

cout<<"On which date you want to go to tour ?";

cin>>date;

cout<<"How many days you wany to stay there ?";

cin>>no\_of\_days;

cout<<"\n\nThank You...";

getchar();

system("cls");

}

void show\_bill()

{

cout<<"Name of CUSTOMER :"<<name<<"\n"<<endl;

cout<<"address :"<<add<<"\n"<<endl;

cout<<"mobile number :"<<mobile\_no<<"\n"<<endl;

cout<<"date on which you are going to tour :"<<date<<"\n"<<endl;

cout<<"Number of days you stay there :"<<no\_of\_days<<"\n"<<endl;

getchar();

}

char\* get\_cuctomer\_name(){

return name;

}

char\* get\_add(){

return add;

}

char\* get\_mobileno(){

return mobile\_no;

}

};

class tour : public tour1

{

public:

int tour\_number;

char city\_name[50];

float tour\_price,tax,tour\_discount;

void create\_tour()

{

cout<<setw(31)<<endl<<"Enter The tour Number: ";

cin>>tour\_number;

cout<<setw(29)<<endl<<"Enter The city Name: ";

cin.ignore();

cin.getline(city\_name ,50);

cout<<setw(37)<<endl<<"Enter The Price of The tour: ";

cin>>tour\_price;

cout<<setw(32)<<endl<<"Enter The Discount (%): ";

cin>>tour\_discount;

}

void show\_tour()

{

cout<<"\t"<<tour\_number<<"\t\t"<<city\_name<<"\t\t"<<tour\_price<<"\t\t"<<setprecision(4)<<tour\_discount;

}

int gettour()

{

return tour\_number;

}

float gettour\_price()

{

return tour\_price;

}

char\* getName()

{

return city\_name;

}

float getDiscount()

{

return tour\_discount;

}

};

fstream fp;

tour t;

float amt,damt,total=0;

int order\_arr[50],quan[50],c=0;

void save\_tour()

{

fp.open("tour.txt",ios::out|ios::app);

//t.Country();

t.create\_tour();

fp.write((char\*)&t,sizeof(tour));

fp.close();

cout<<endl<<endl<<"The tour Has Been Successfully Created...";

getchar();

}

void show\_all\_tour()

{

system("cls");

cout<<endl<<"\t\tRECORDS."<<endl;

cout<<"\tTourNumber\tTourName\tTourPrice\tDiscount"<<endl;

fp.open("tour.txt",ios::in);

while(fp.read((char\*)&t,sizeof(tour)))

{

t.show\_tour();

cout<<"\n";

getchar();

}

fp.close();

}

void display\_record(int num)

{

bool found=false;

fp.open("tour.txt",ios::in);

while(fp.read((char\*)&t,sizeof(tour)))

{

if(t.gettour()==num)

{

system("cls");

t.show\_tour();

found=true;

}

}

fp.close();

if(found == true)

cout<<"\n\nNo record found";

getchar();

}

void edit\_tour()

{

int num;

bool found=false;

system("cls");

cout<<endl<<endl<<"\tPlease Enter The tour : ";

cin>>num;

fp.open("tour.txt",ios::in|ios::out);

while(fp.read((char\*)&t,sizeof(tour)) && found==false)

{

if(t.gettour()==num)

{

t.show\_tour();

cout<<"\nPlease Enter The New Details of tour: "<<endl;

t.create\_tour();

int pos=1\*sizeof(t);

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

fp.write((char\*)&t,sizeof(tour));

cout<<endl<<endl<<"\t Record Successfully Updated...";

found=true;

}

}

fp.close();

if(found==false)

cout<<endl<<endl<<"Record Not Found...";

getchar();

}

void delete\_tour()

{

int num;

system("cls");

cout<<endl<<endl<<"Please Enter The tour #: ";

cin>>num;

fp.open("tour.txt",ios::in|ios::out);

fstream fp2;

fp2.open("Temp.txt",ios::out);

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

while(fp.read((char\*)&t,sizeof(tour)))

{

if(t.gettour()!=num)

{

fp2.write((char\*)&t,sizeof(tour));

}

}

fp2.close();

fp.close();

remove("tour.txt");

rename("Temp.txt","tour.txt");

cout<<endl<<endl<<"\tRecord Deleted...";

getchar();

}

void tour\_menu()

{

system("cls");

fp.open("tour.txt",ios::in);

cout<<endl<<endl<<"\*\*\*\*\*\*\*\*\* TOUR MENU \*\*\*\*\*\*\*\*\*\*\n\n";

cout<<"T.NO\t\tNAME\t\tPRICE\t\tDISCOUNT"<<endl;

while(fp.read((char\*)&t,sizeof(tour)))

{

cout<<t.gettour()<<"\t\t"<<t.getName()<<"\t\t"<<t.gettour\_price()<<"\t\t"<<t.getDiscount()<<endl;

}

fp.close();

}

void place\_tour()

{

char ch='Y';

tour\_menu();

cout<<"\nPLEASE SELECT YOUR TOUR FROM THE ABOVE MENU.....";

do{

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

cin>>order\_arr[c];

cout<<"\nEnter no of people want to go: ";

cin>>quan[c];

c++;

cout<<"\nDo You Want To Order Another tour ? (y/n): ";

cin>>ch;

}while(ch=='y' ||ch=='Y');

getchar();

}

fstream fp1;

void bill()

{

cout<<"\n\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*FINAL BILL\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";

//fp1.open("record.txt",ios::in);

//while(fp1.read((char\*)&t,sizeof(tour)))

//{

t.show\_bill();

getchar();

//}

//fp1.close();

cout<<"\nPr No.\tPr Name\tQuantity \tPrice \tAmount \tAmount after discount\n";

for(int x=0;x<=c;x++)

{

fp.open("tour.txt",ios::in|ios::app);

fp.read((char\*)&t,sizeof(tour));

while(!fp.eof())

{

if(t.gettour()==order\_arr[x])

{

amt=t.gettour\_price()\*quan[x];

damt=amt-(amt\*t.getDiscount()/100);

cout<<"\n"<<order\_arr[x]<<"\t"<<t.getName()<<"\t"<<quan[x]<<"\t\t"<<t.gettour\_price()<<"\t"<<amt<<"\t\t"<<damt;

total+=damt;

}

fp.read((char\*)&t,sizeof(tour));

}

fp.close();

}

cout<<"\n\n\t\t\t\t\tTOTAL = "<<total;

}

void booking()

{

fp1.open("record.txt",ios::out|ios::app);

place\_tour();

t.customer\_data();

fp1.write((char\*)&t,sizeof(tour));

fp1.close();

bill();

}

void booking\_details()

{

system("cls");

fp1.open("record.txt",ios::in);

cout<<endl<<endl<<"\*\*\*\*\*\*\*\*\* booking details \*\*\*\*\*\*\*\*\*\*\n\n";

cout<<"NAME\t\tADDRESS\t\tMOBILE\t\tCITYNAME\t\tPRICE"<<endl;

while(fp1.read((char\*)&t,sizeof(tour)))

{

cout<<t.get\_cuctomer\_name()<<"\t\t"<<t.get\_add()<<"\t\t"<<t.get\_mobileno()<<"\t\t"<<t.getName()<<"\t\t\t"<<t.gettour\_price()<<endl;

}

fp1.close();

}

void admin\_menu()

{

system("cls");

int option;

cout<<"\n\t1. CREATE TOUR DATA";

cout<<"\n\t2. DISPLAY ALL TOURS";

cout<<"\n\t3. QUERY ";

cout<<"\n\t4. MODIFY TOUR";

cout<<"\n\t5. DELETE TOUR";

cout<<"\n\t6. Show booking Details";

cout<<"\n\t7. GO BACK TO MAIN MENU";

cout<<"\n\n\tEnter Option: ";

cin>>option;

switch(option)

{

case 1: system("cls");

save\_tour();

break;

case 2: show\_all\_tour();

break;

case 3:

int num;

system("cls");

cout<<"\n\n\tPlease Enter The tour Number: ";

cin>>num;

display\_record(num);

break;

case 4: edit\_tour();

break;

case 5: delete\_tour();

break;

case 6: booking\_details();

break;

case 7: system("cls");

break;

default:admin\_menu();

}

}

int main(int argc, char \*argv[])

{

system("cls");

system("color 00");

int option;

//cout<<"\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<setw(80)<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<setw(80)<<"\*\*\*\*\*\*\*\*TOUR MANAGEMENT SYSTEM\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<setw(80)<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

//cout<<"\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<"\n\n"<<setw(120)<<setfill('-')<<"WELCOME , TO OUR SYSTEM--------------------------------------------------"<<endl;

cout<<"\n\n";

for(;;)

{

cout<<"\n\t1. CUSTOMER";

cout<<"\n\t2. ADMINISTRATOR";

cout<<"\n\t3. EXIT";

cout<<"\n\tEnter Option: ";

cin>>option;

switch(option)

{

case 1: system("cls");

booking();

getchar();

break;

case 2: admin\_menu();

break;

case 3:

cout<<"\n\tGood Bye!";

exit(0);

default :cout<<"Invalid Input...\n";

}

}

};

OUTPUT:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*TOUR MANAGEMENT SYSTEM\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-----------------------------------------------WELCOME , TO OUR SYSTEM--------------------------------------------------

1. CUSTOMER

2. ADMINISTRATOR

3. EXIT

Enter Option: 2

sh: 1: cls: not found

1. CREATE TOUR DATA

2. DISPLAY ALL TOURS

3. QUERY

4. MODIFY TOUR

5. DELETE TOUR

6. Show booking Details

7. GO BACK TO MAIN MENU

Enter Option: 1

sh: 1: cls: not found

--------Enter The tour Number: 1

--------Enter The city Name: pune

--------Enter The Price of The tour: 10000

--------Enter The Discount (%): 10

The tour Has Been Successfully Created...

1. CUSTOMER

2. ADMINISTRATOR

3. EXIT

Enter Option: 2

sh: 1: cls: not found

1. CREATE TOUR DATA

2. DISPLAY ALL TOURS

3. QUERY

4. MODIFY TOUR

5. DELETE TOUR

6. Show booking Details

7. GO BACK TO MAIN MENU

Enter Option: 1

sh: 1: cls: not found

--------Enter The tour Number: 2

--------Enter The city Name: mumbai

--------Enter The Price of The tour: 15000

--------Enter The Discount (%): 12

The tour Has Been Successfully Created...

1. CUSTOMER

2. ADMINISTRATOR

3. EXIT

Enter Option: 2

sh: 1: cls: not found

1. CREATE TOUR DATA

2. DISPLAY ALL TOURS

3. QUERY

4. MODIFY TOUR

5. DELETE TOUR

6. Show booking Details

7. GO BACK TO MAIN MENU

Enter Option: 1

sh: 1: cls: not found

--------Enter The tour Number: 3

--------Enter The city Name: nashik

--------Enter The Price of The tour: 20000

--------Enter The Discount (%): 15

The tour Has Been Successfully Created...

1. CUSTOMER

2. ADMINISTRATOR

3. EXIT

Enter Option: 2

sh: 1: cls: not found

1. CREATE TOUR DATA

2. DISPLAY ALL TOURS

3. QUERY

4. MODIFY TOUR

5. DELETE TOUR

6. Show booking Details

7. GO BACK TO MAIN MENU

Enter Option: 2

sh: 1: cls: not found

RECORDS.

TourNumber TourName TourPrice Discount

1 pune 10000 10

2 mumbai 1.5e+04 12

3 nashik 2e+04 15

1. CUSTOMER

2. ADMINISTRATOR

3. EXIT

Enter Option: 1

sh: 1: cls: not found

sh: 1: cls: not found

\*\*\*\*\*\*\*\*\* TOUR MENU \*\*\*\*\*\*\*\*\*\*

T.NO NAME PRICE DISCOUNT

1 pune 1e+04 10

2 mumbai 1.5e+04 12

3 nashik 2e+04 15

PLEASE SELECT YOUR TOUR FROM THE ABOVE MENU.....

Enter the tour number: 2

Enter no of people want to go: 2

Do You Want To Order Another tour ? (y/n): n

Enter your name:

sagar

Enter your address:

pune

Enter your mobile number:

7656

On which date you want to go to tour ?

11/12

How many days you wany to stay there ?

5

sh: 1: cls: not found

Thank You...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*FINAL BILL\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Name of CUSTOMER :sagar

address :pune

mobile number :7656

date on which you are going to tour :11/12

Number of days you stay there :5

Pr No. Pr Name Quantity Price Amount Amount after discount

2 mumbai 2 1.5e+04 3e+04 2.64e+04

TOTAL = 2.64e+04

1. CUSTOMER

2. ADMINISTRATOR

3. EXIT

Enter Option: 2

sh: 1: cls: not found

1. CREATE TOUR DATA

2. DISPLAY ALL TOURS

3. QUERY

4. MODIFY TOUR

5. DELETE TOUR

6. Show booking Details

7. GO BACK TO MAIN MENU

Enter Option: 6

sh: 1: cls: not found

\*\*\*\*\*\*\*\*\* booking details \*\*\*\*\*\*\*\*\*\*

NAME ADDRESS MOBILE CITYNAME PRICE

sagar pune 7656 nashik 2e+04

1. CUSTOMER

2. ADMINISTRATOR

3. EXIT

Enter Option: 1

sh: 1: cls: not found

sh: 1: cls: not found

\*\*\*\*\*\*\*\*\* TOUR MENU \*\*\*\*\*\*\*\*\*\*

T.NO NAME PRICE DISCOUNT

1 pune 1e+04 10

2 mumbai 1.5e+04 12

3 nashik 2e+04 15

PLEASE SELECT YOUR TOUR FROM THE ABOVE MENU.....

Enter the tour number: 3

Enter no of people want to go: 2

Do You Want To Order Another tour ? (y/n): n

Enter your name: sdg

Enter your address:

fh

Enter your mobile number:

4562

On which date you want to go to tour ?

11

How many days you wany to stay there ?

4

sh: 1: cls: not found

Thank You...

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*FINAL BILL\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Name of CUSTOMER :dg

address :fh

mobile number :4562

date on which you are going to tour :11

Number of days you stay there :4

Pr No. Pr Name Quantity Price Amount Amount after discount

2 mumbai 2 1.5e+04 3e+04 2.64e+04

3 nashik 2 2e+04 4e+04 3.4e+04

TOTAL = 8.68e+04^[[1;2B