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**INTRODUCTION**

This program is intended to offer the Customer best deals on desired Flights. It can easily add and delete Flights, and can also book a Flight for a particular Customer. It records the information of the Passengers who will be travelling on board the Flight, and receives the corresponding booking date.

This program can add Customers, and automatically edits the Customer History when the Customer Books tickets to a Flight. It can hold up to 10 past Booking details.

There also exists an ‘Admin’ feature in the program. The Admin has the authority to clear various files after he enters his password, and can also add other Admins after clarifying his authority.

All of this information is stored in Files named respective to the information stored in them; like “Flight.dat”, “Customer.dat” and “Admin.dat”.

The Display sub-menu carefully extracts information from these Files for convenient viewing by the user, and the Flight sub-sub-menu allows convenient viewing of the available Flights. The Customer File shows stored information of present Members and Customers. The Booking File shows the information of passengers travelling on a Flight in tabular form.

The objective of the program is to make the retrieval of data regarding specific Flights and Customers easier and more efficient for the user so as to achieve higher efficiency and productivity of the agency.

**Function Definitions**

* **void clear(int x,int y);** Clears a space on the screen with dimensions of length x and breadth y from the position of the pointer.
* **int flightno();** Returns a unique flight number to assign to a newly added flight.
* **void finput(Flight &f);** Inputs all the information of the flight into the object passed as parameter by reference.
* **void output\_tab(Flight f);** All the information (except ‘to’ and ‘from’) stored in ‘f’ is displayed in tabular form using ‘setw()’.
* **void output\_this(Flight f);** All the information (except ‘to’ and ‘from’) stored in ‘f’ is displayed.
* **void display\_flight();** Displays information of all the flights from the file.
* **void Booking::enter(int no,double cno,char passenger\_name[20],char passport\_no[15]);** Values to be entered as passenger information are passed as parameters and these values are entered as passenger information.
* **void Booking::display(int no);** Displays passenger information in tabular form.
* **void customer::input():** Inputs customer information.
* **void customer::output();** Displays the important customer information
* **void customer::plot\_history(Flight f,float totalp,int seats,char passenger\_name[][20],char passport\_no[][15]);** Inputs data into structure history of class customer.
* **void customer::show\_history();** Displays the customer history.
* **double customer::retcustomer\_no();** Returns the customer no.
* **int customer::rethistory\_no();** Returns the number of past booking done.
* **void get\_password(char ch[]);** Recieves the password entered while displaying ‘\*’ for every key entered.
* **void admin::input();** Inputs information of new admin.
* **int admin::check\_username(char A[]);** Checks if the username matches.
* **int admin::check\_password(char A[]);** Checks if the password matches.
* **void admin::change\_password(char A[]);** Changes the password for that admin.
* **char\* admin::ret\_username();** Returns the username.
* **int get\_input(admin &A);** Inputs admin information while checking for existing similar usernames.
* **void addadmin();** Adds a new admin while checking old admin presence.
* **void change\_password();** Changes the password of a particular after acknowledging an admin presence.
* **void clear\_customer();** Clears the customer file after checking admin authority.
* **void clear\_flight();** Clears Flight file after checking admin authority.
* **void clear\_booking();** Clears Booking file after admin authority.
* **int return\_count();** Returns the number of customers in Customer File.
* **int cchecker();** Checks if customer file is empty.
* **int achecker();** Checks if admin file is empty.
* **int fchecker();** Checks if flight file is empty.
* **int bchecker();** Checks if booking file is empty.
* **void add();** Receives input for flight information and then adds it to the flight file.
* **void remove();** Deletes the desired flight from flight file.
* **void flight\_specs();** Opens up the Flight sub-sub menu.
* **void customer\_specs();** Display particular customer information.
* **void history\_customer();** Display the history of a particular customer.
* **void booked\_on\_flight();** Displays the information of all the passengers that are booked on a particular flight.
* **void display\_Menu();** Opens up the Display sub-menu.
* **void admin\_Menu();** Opens up the admin sub-menu.
* **int select(int x,int y,int z);** Allows scrolling by ‘w’ and ‘s’ keys while displaying a ‘>’ to show the selection.
* **void book\_flight();** Books a flight for a customer by taking information of all the passengers for whom the customer is booking.
* **void intro();** Displays an introduction message whenever the program is compiled and run.
* **void main();** Contains the Main menu and is the main body of the program.

**Program Code:**

#include<fstream.h>

#include<conio.h>

#include<string.h>

#include<ctype.h>

#include<stdio.h>

#include<stdlib.h>

#include<iomanip.h>

int select(int x,int y,int z);

void clear(int x,int y)

{int i,j;

for(i=x;i<=y;i++)

for(j=2;j<=79;j++)

{gotoxy(j,i);

cout<<' ';

}}

struct Flight

{char to[100],from[100];

char airline[100], dtime[100];

int no\_seats,seatp,fno;};

int flightno()

{ifstream fin("Flight.dat",ios::binary); Flight f;int count=0,fno;

while(fin.read((char\*)&f,sizeof(f)))

count++;

fno=1000+count;

fin.close();

return fno;

}

void finput(Flight &f)

{clrscr();

gotoxy(21,2); cout<<"Enter From Destination(<10): ";gets(f.from);

gotoxy(21,4);cout<<"Enter To Destination(<10): ";gets(f.to);

gotoxy(21,6);cout<<"Enter Name of Airline(<10): ";gets(f.airline);

gotoxy(21,8);cout<<"Enter Number of Seats: ";cin>>f.no\_seats;

gotoxy(21,10);cout<<"Enter Price of One Seat: ";cin>>f.seatp;

gotoxy(12,12);cout<<"Enter Departure Date and Time('dd/mm/yyyy at \_h\_min') as a string: \n";

gotoxy(15,13);gets(f.dtime);

f.fno=flightno();

gotoxy(21,15);cout<<"Flight number: "<<f.fno;

}

void output\_tab(Flight f)

{

cout<<"\n"<<setw(10)<<f.airline;

cout<<setw(10)<<f.no\_seats;

cout<<setw(10)<<f.seatp;

cout<<setw(25)<<f.dtime;

cout<<setw(10)<<f.fno;

}

void output\_this(Flight f)

{

cout<<"\nAirline:"<<f.airline<<"\n";

cout<<"No. of Seats: "<<f.no\_seats<<"\n";

cout<<"Seat Price: "<<f.seatp<<"\n";

cout<<"Departure Date and Time: "<<f.dtime<<"\n";

cout<<"Flight Number: "<<f.fno<<"\n";

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";

}

void display\_flight()

{Flight f;clrscr();

gotoxy(5,3);

cout<<"\n"<<setw(10)<<"From"<<setw(10)<<"To";

cout<<setw(10)<<"Seats";

cout<<setw(10)<<"Price";

cout<<setw(25)<<"Departure Time";

cout<<setw(12)<<" Flight Number";

ifstream fin("Flight.dat",ios::binary);

while(fin.read((char\*)&f,sizeof(f)))

{

cout<<"\n"<<setw(10)<<f.from<<setw(10)<<f.to;

cout<<setw(10)<<f.no\_seats;

cout<<setw(10)<<f.seatp;

cout<<setw(25)<<f.dtime;

cout<<setw(10)<<f.fno;

}

getch();

}

class Booking

{char passport[15], passenger[20];

int fno; double customer;

public:Booking()

{strcpy(passport,"0");

strcpy(passenger,"0");

fno=0; customer=0;

}

void enter(int no,double cno,char passenger\_name[20],char passport\_no[15])

{fno=no;

customer=cno;

strcpy(passenger,passenger\_name);

strcpy(passport,passport\_no);

}

void display(int no) {

if(fno==no)

{cout<<setw(25)<<passenger<<setw(20)<<passport<<setw(25)<<customer<<endl;}

}

};

class customer

{char customer\_name[26]; int h;

long double mob\_no; double customer\_no; char passport\_no[15];

struct history

{char date[26], to[50], from[50], airline[50], dtime[100];

float nseats,totalp,fno;

struct passenger

{char passenger\_names[10][20], passport\_no[10][15];}P;

}H[20];

public: customer()

{h=0;

mob\_no=0;

strcpy(passport\_no,"0");

customer\_no=0;

}

void input();

void output()

{clrscr();

gotoxy(30,3);

cout<<"Name: "<<customer\_name;

gotoxy(24,4);

cout<<"Customer Number: "<<customer\_no;

gotoxy(24,5);

cout<<"Passport Number: "<<passport\_no;

gotoxy(24,7);

cout<<"Mobile Number: "<<setprecision(8)<<mob\_no;

}

void plot\_history(Flight,float,int,char[][20],char[][15]);

void show\_history();

double retcustomer\_no();

int rethistory\_no();

};

double customer::retcustomer\_no()

{return customer\_no;}

int customer::rethistory\_no()

{return h;}

void customer::input()

{char ch;int count;int return\_count();

do

{clrscr();

gotoxy(31,2);

cout<<"Enter Name: ";

gets(customer\_name);

gotoxy(31,3);

cout<<"Enter 8 Digitmobile No.: ";

cin>>mob\_no;

gotoxy(31,6);

cout<<"Enter Passport No.: ";

cin>>passport\_no;

customer C;

customer\_no=return\_count();

if(strlen(customer\_name)>1&&mob\_no>9999999&&passport\_no!=0)

{gotoxy(31,7);

cout<<"Customer Number : "<<customer\_no;

gotoxy(31,9);

cout<<"Successful Registration";

ch='y';

}

else

{gotoxy(30,9);

cout<<"Sorry,Information Invalid";

gotoxy(30,10);

cout<<"Press any Key to Reenter";

ch='n';

getch();

}

}while(ch!='y');

}

void customer::show\_history()

{clrscr();int j=8; int found=0;

gotoxy(35,5);

cout<<"Name: "<<customer\_name;

gotoxy(24,7);

cout<<"Customer Number: "<<customer\_no;

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

{found=1;

gotoxy(24,j); j++;

cout<<"Date Booked: "<<H[i].date;

gotoxy(24,j); j++;

cout<<"To: "<<H[i].to;

gotoxy(24,j); j++;

cout<<"From: "<<H[i].from;

gotoxy(24,j); j++;

cout<<"Flight Number: "<<H[i].fno;

gotoxy(24,j); j++;

cout<<"Departure Time: "<<H[i].dtime;

gotoxy(24,j); j++;

cout<<"Number of seats booked: "<<H[i].nseats;

gotoxy(24,j); j++;

cout<<"Total Price Paid: "<<H[i].totalp;

gotoxy(24,j); j++;

cout<<"PASSENGERS"<<endl;j++;

cout<<endl<<setw(30)<<"Passenger name"<<setw(20)<<"Passport Number"<<endl;j++;

for(int m=0;m<H[i].nseats;m++)

{cout<<setw(30)<<H[i].P.passenger\_names[m]<<setw(20)<<H[i].P.passport\_no[m]<<endl;j++;}

gotoxy(20,j); j++;

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";

}

if(found==0);

{gotoxy(35,9);cout<<"No Past Bookings Done";}

}

void customer::plot\_history(Flight f,float totalp,int seats,char passenger\_name[][20],char passport\_no[][15])

{h++;

cout<<"\nEnter the Date of Booking: ";

gets(H[h-1].date);

strcpy(H[h-1].to,f.to);

strcpy(H[h-1].from,f.from);

strcpy(H[h-1].dtime,f.dtime);

H[h-1].totalp=totalp;

H[h-1].fno=f.fno;

H[h-1].nseats=seats;

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

{strcpy(H[h-1].P.passenger\_names[i],passenger\_name[i]);

strcpy(H[h-1].P.passport\_no[i],passport\_no[i]);}

}

void get\_password(char ch[])

{int i=0;char t;

do

{t=getch();

if(t=='\b'&&i!=0)

{cout<<"\b\b";

i=i-1;}

else if(t!='\r')

{ch[i++]=t;

cout<<'\*';}

}while(t!='\r');

ch[i]='\0';

}

class admin

{char user\_name[100],password[100];

public: void input()

{clrscr();

gotoxy(25,3);

cout<<"Enter Username: ";gets(user\_name);

gotoxy(20,4);

cout<<"Enter Password(Case Sensitive): ";get\_password(password);

}

int check\_username(char A[]);

int check\_password(char A[])

{

if(strcmp(password,A)==0)

return 1;

else

return 0;

}

void change\_password(char A[])

{

strcpy(password,A);

gotoxy(26,14);

cout<<"Password Succesfully Changed";

}

char\* ret\_username();

};

int admin::check\_username(char A[])

{

if(strcmp(user\_name,A)==0)

return 1;

else

return 0;

}

char\* admin::ret\_username()

{return user\_name;}

int get\_input(admin &A)

{A.input();admin B;int i=0;

ifstream fin("Admin.dat",ios::binary);

while(fin.read((char\*)&B,sizeof(B)))

if(A.check\_username(B.ret\_username())==1)

i++;

fin.close();

return i;}

void addadmin()

{clrscr(); int i,achecker();

admin A;char ch='n',user[100],pass[100];

if(achecker()==0)

{ofstream fout("Admin.dat",ios::binary);

A.input();

fout.write((char\*)&A,sizeof(A));

fout.close();}

else

{gotoxy(25,2);cout<<"Enter Details of Pre Existing Admin";

do

{gotoxy(31,5);cout<<"Username: ";gets(user);

gotoxy(31,6);cout<<"Password: ";get\_password(pass);

int count=0;

ifstream fin("Admin.dat",ios::binary);

gotoxy(31,8);cout<<"Checking Username and Password........";

while(fin.read((char\*)&A,sizeof(A)))

if(A.check\_username(user)==1&&A.check\_password(pass)==1)

{count=1;gotoxy(29,8);cout<<"Administrator Verified";}

fin.close();

if(count==1)

{do

{i=get\_input(A);

if(i!=0)

{gotoxy(10,12);

cout<<"Admin Already Exists, Press any Key to Re-enter Details";

getch();

A.input();

}

}while(i!=0);

ch='n';

ofstream fout("Admin.dat",ios::binary|ios::out|ios::app);

fout.write((char\*)&A,sizeof(A));

fout.close();

gotoxy(25,15);

cout<<"Admin Successfully Added";getch();}

else if(count==0)

{gotoxy(29,8);cout<<"Administrator Not Verified";

gotoxy(25,10);cout<<"Enter Y to Re-enter and N to exit";

cin>>ch;clear(4,18);gotoxy(2,10);

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

}

}

void change\_password()

{

char ch='n',user[100],pass[100]; admin A;char newp[100];

do

{clrscr();

gotoxy(24,3);cout<<"Enter Pre-existing Username and Password";

gotoxy(31,5);cout<<"Username: ";gets(user);

gotoxy(31,6);cout<<"Password: ";get\_password(pass);

int count=0;

fstream file("Admin.dat",ios::binary|ios::out|ios::in);

gotoxy(31,8);cout<<"Checking Username and Password........";

while(file.read((char\*)&A,sizeof(A)))

if(A.check\_username(user)==1&&A.check\_password(pass)==1)

{

count=1;ch='n';

gotoxy(28,9);cout<<"Administrator Verified";

gotoxy(21,11);cout<<"Enter New Password: ";

get\_password(newp);

A.change\_password(newp);

file.seekg(-sizeof(A),ios::cur);

file.write((char\*)&A,sizeof(A));

}

file.close();

if(count==0)

{gotoxy(27,9);cout<<"Administrator Not Verified";

gotoxy(24,11);cout<<"Enter Y to Re-enter and N to exit: ";cin>>ch;}

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

}

void clear\_customer()

{

admin A;char ch='n',user[100],pass[100];

do

{clrscr();

gotoxy(24,3);cout<<"Enter Existing Username and Password";

gotoxy(31,5);cout<<"Username: ";

gets(user);

gotoxy(31,6);cout<<"Password: ";

get\_password(pass);

int count=0;

ifstream fin("Admin.dat",ios::binary);

gotoxy(31,8);cout<<"Checking Username and Password..........";

while(fin.read((char\*)&A,sizeof(A)))

if(A.check\_username(user)==1&&A.check\_password(pass)==1)

{

ofstream fout("Customer.dat",ios::binary);

count=1;

ch='n';

fout.close();

gotoxy(28,10);

cout<<"Administrator Verified";

gotoxy(29,11);

cout<<"Customer File Cleared";

getch();

}

if(count==0)

{gotoxy(27,8);cout<<"Administrator Not Verified";

gotoxy(24,9);cout<<"Enter Y to Re-enter and N to exit: ";

cin>>ch;}

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

}

void clear\_flight()

{admin A;char ch='n',user[100],pass[100];

do

{clrscr();

gotoxy(24,3);cout<<"Enter Existing Username and Password";

gotoxy(31,5);cout<<"Username: ";

gets(user);

gotoxy(31,6);cout<<"Password: ";

get\_password(pass);

int count=0;

ifstream fin("Admin.dat",ios::binary);

gotoxy(31,8);cout<<"Checking Username and Password..........";

while(fin.read((char\*)&A,sizeof(A)))

if(A.check\_username(user)==1&&A.check\_password(pass)==1)

{ofstream fout("Flight.dat",ios::binary);

count=1;ch='n';

fout.close();

gotoxy(28,10);cout<<"Admin Verified";

gotoxy(31,11);cout<<"Flight File Cleared";getch();

}

if(count==0)

{gotoxy(27,8);cout<<"Administrator Not Verified";

gotoxy(24,9);cout<<"Enter Y to Re-enter and N to exit: ";cin>>ch;

}

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

}

void clear\_booking()

{admin A;char ch='n',user[100],pass[100];

do

{clrscr();

gotoxy(24,3);cout<<"Enter Existing Username and Password";

gotoxy(31,5);cout<<"Username: ";

gets(user);

gotoxy(31,6);cout<<"Password: ";

get\_password(pass);

int count=0;

ifstream fin("Admin.dat",ios::binary);

gotoxy(31,8);cout<<"Checking Username and Password..........";

while(fin.read((char\*)&A,sizeof(A)))

if(A.check\_username(user)==1&&A.check\_password(pass)==1)

{ofstream fout("Booking.dat",ios::binary);

count=1;ch='n';

fout.close();

gotoxy(28,10);cout<<"Admin Verified";

gotoxy(31,11);cout<<"Booking File Cleared";getch();

}

if(count==0)

{gotoxy(27,8);cout<<"Administrator Not Verified";

gotoxy(24,9);cout<<"Enter Y to Re-enter and N to exit: ";cin>>ch;

}

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

}

int return\_count()

{ifstream fin("Customer.dat",ios::binary); customer c;int count=1000;

while(fin.read((char\*)&c,sizeof(c)))

count++;

fin.close();

return count;

}

int cchecker()

{customer C; int count=0;

ifstream fin("Customer.dat",ios::binary);

while(fin.read((char\*)&C,sizeof(C)))

count++;

fin.close();

if(count==0)

return 0;

else

return 1;

}

int achecker()

{admin A; int count=0;

ifstream fin("Admin.dat",ios::binary);

while(fin.read((char\*)&A,sizeof(A)))

count++;

fin.close();

if(count==0)

return 0;

else

return 1;

}

int fchecker()

{Flight F; int count=0;

ifstream fin("Flight.dat",ios::binary);

while(fin.read((char\*)&F,sizeof(F)))

count++;

fin.close();

if(count==0)

return 0;

else

return 1;

}

int bchecker()

{Booking b; int count=0;

ifstream fin("Booking.dat",ios::binary);

while(fin.read((char\*)&b,sizeof(b)))

count++;

fin.close();

if(count==0)

return 0;

else

return 1;

}

void add()

{clrscr();

Flight F;

fstream file("Flight.dat",ios::binary|ios::app);

finput(F);

file.write((char\*)&F,sizeof(F));

file.close();gotoxy(20,16);

cout<<"Flight added sucessfully";getch();}

void remove()

{clrscr();Flight f;int no,count=0; gotoxy(10,5);

cout<<"Enter Flight Number to remove: ";

cin>>no;

ifstream fin("Flight.dat",ios::binary);

ofstream fout("temp.dat",ios::binary);

while(fin.read((char\*)&f,sizeof(f)))

if(f.fno!=no)

{fout.write((char\*)&f,sizeof(f));}

else

count++;

if(count==0)

{gotoxy(10,6);cout<<"Flight Number "<<no<<" does not exist, and therefore was not deleted";}

else

{gotoxy(10,6);cout<<"Flight Number "<<no<<" deleted";}

fin.close();fout.close();

remove("Flight.dat");

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

}

void flight\_specs()

{ Flight f;

int opt;

do

{clrscr();

gotoxy(30,10);

cout <<"\*\*\*FLIGHT MENU\*\*\*"<<endl;

gotoxy(20,11);

cout<<"1. Search Flights By Destinations"<<endl;

gotoxy(20,12);

cout<<"2. Display All Available Flights"<<endl;

gotoxy(20,13);

cout<<"3. Return to Display Menu"<<endl;

gotoxy(20,14);

cout<<"4. EXIT"<<endl;

opt=select(11,14,18);

switch(opt)

{case 1:

{char to[50],from[50];

clrscr();gotoxy(20,5);

cout<<"Enter To and From Locations";

gotoxy(15,7);

cout<<"TO: ";

gets(to);

gotoxy(15,8);

cout<<"FROM: ";

gets(from);

gotoxy(5,10);

cout<<"\n"<<setw(10)<<"Airline";

cout<<setw(10)<<"Seats";

cout<<setw(10)<<"Price";

cout<<setw(25)<<"Departure Time";

cout<<setw(10)<<" Flight Number";

ifstream fin("Flight.dat",ios::binary);

while(fin.read((char\*)&f,sizeof(f)))

if(strcmpi(f.to,to)==0&&strcmpi(f.from,from)==0)

output\_tab(f);

getch();

fin.close();}

break;

case 2: clrscr();display\_flight();

break;

case 3:break;

case 4:exit(0);

}

}while(opt!=3);

}

void customer\_specs()

{ clrscr();double cno,count=0; customer c;

gotoxy(10,10);

cout<<"Enter Customer Number of Customer To Be Searched: ";

cin>>cno;

ifstream fin("Customer.dat",ios::binary);

while(fin.read((char\*)&c,sizeof(c)))

if(cno==c.retcustomer\_no())

{c.output();count++;}

if(count==0)

{clrscr();gotoxy(15,10);

cout<<"Customer Does Not Exist, PRESS ANY KEY TO RETURN TO DISPLAY MENU";}

getch();

fin.close();

}

void history\_customer()

{ifstream fin("Customer.dat",ios::binary);

customer c;double cno;

clrscr();gotoxy(15,15);

cout<<"Enter Customer Number of Customer To Be Searched: ";

cin>>cno;

while(fin.read((char\*)&c,sizeof(c)))

if(cno==c.retcustomer\_no())

c.show\_history();

getch();

fin.close();

}

void booked\_on\_flight()

{

clrscr();gotoxy(15,5);

int no,count=0;

Booking b; ifstream fin("Booking.dat",ios::binary);

cout<<"Enter the Flight Number: ";cin>>no;

cout<<endl<<setw(25)<<"Passenger Name"<<setw(20)<<"Passport No."<<setw(25)<<"Reg. by Customer No."<<endl;

while(fin.read((char\*)&b,sizeof(b)))

{b.display(no);count++;}

if(count==0)

cout<<"\n\n\tNo Passengers Booked on Flight";

getch();

fin.close();

}

void display\_Menu()

{int opt;

do

{clrscr();

gotoxy(35,13);

cout<<"\*\*\*DISPLAY MENU\*\*\*";

gotoxy(20,15);

cout<<"1. Display Flights By Specification"<<endl;

gotoxy(20,16);

cout<<"2. Display Particular Customer's Information"<<endl;

gotoxy(20,17);

cout<<"3. Display History of a Particular Customer"<<endl;

gotoxy(20,18);

cout<<"4. Show the Info of All Passengers on a Flight"<<endl;

gotoxy(20,19);

cout<<"5. Return to Main Menu"<<endl;

gotoxy(20,20);

cout<<"6. EXIT";

opt=select(15,20,18);

switch(opt)

{

case 1:if(fchecker()==1)

flight\_specs();

else

{clrscr();

gotoxy(15,15);

cout<<"ERROR: FILE EMPTY";

getch();}

break;

case 2: if(cchecker()==1)

customer\_specs();

else

{clrscr();

gotoxy(15,15);

cout<<"ERROR: FILE EMPTY";

getch();}

break;

case 3: if(cchecker()==1)

history\_customer();

else

{clrscr();

gotoxy(15,15);

cout<<"ERROR: FILE EMPTY";

getch();}

break;

case 4:if(bchecker()==1)

booked\_on\_flight();

else

{clrscr();

gotoxy(15,15);

cout<<"ERROR: FILE EMPTY";

getch();}

case 5: break;

case 6:exit(0);

}

}while(opt!=5);

}

void admin\_Menu()

{int opt;

do

{clrscr();

gotoxy(25,13);

cout<<"\*\*\*\*\*ADMINISTRATOR MENU\*\*\*\*\*";

gotoxy(20,15);

cout<<"1. Add an Administrator"<<endl;

gotoxy(20,16);

cout<<"2. Change Password"<<endl;

gotoxy(20,17);

cout<<"3. Clear Customer File"<<endl;

gotoxy(20,18);

cout<<"4. Clear Flight File"<<endl;

gotoxy(20,19);

cout<<"5. Clear Booking File"<<endl;

gotoxy(20,20);

cout<<"6. Return to Main Menu"<<endl;

gotoxy(20,21);

cout<<"7. EXIT"<<endl;

opt=select(15,20,19);

switch(opt)

{case 1:addadmin();

break;

case 2:if(achecker()!=0)

change\_password();

else

{clrscr();gotoxy(2,15);

cout<<setw(52)<<"ERROR: FIRST REGISTER AN ADMIN";

getch();}

break;

case 3:if(achecker()!=0)

clear\_customer();

else

{clrscr();gotoxy(2,15);

cout<<setw(52)<<"ERROR: FIRST REGISTER AN ADMIN";

getch();}

break;

case 4:if(achecker()!=0)

clear\_flight();

else

{clrscr();gotoxy(2,15);

cout<<setw(52)<<"ERROR: FIRST REGISTER AN ADMIN";

getch();}

break;

case 5:if(achecker()!=0)

clear\_booking();

else

{clrscr();gotoxy(2,15);

cout<<setw(52)<<"ERROR: FIRST REGISTER AN ADMIN";

getch();}

case 6:break;

case 7:exit(0);

}

}while(opt!=6);

}

int select(int x,int y,int z)

{int i=x,opt;char ch;

gotoxy(z,i);

cout<<">";

do

{ch=getch();

ch=tolower(ch);

if(ch=='w'&&i!=x)

{gotoxy(z,i);

cout<<" ";

gotoxy(z,--i);

cout<<">";

}

else if(ch=='w'&&i==x)

{gotoxy(z,i);

cout<<" ";

i=y;

gotoxy(z,i);

cout<<">";

}

else if(ch=='s'&&i==y)

{gotoxy(z,i);

cout<<" ";

i=x;

gotoxy(z,i);

cout<<">";

}

else if(ch=='s'&&i!=y)

{gotoxy(z,i);

cout<<" ";

gotoxy(z,++i);

cout<<">";

}

}while(ch!='\r');

opt=i-x+1;

return opt;

}

void book\_flight()

{Flight f; Booking b; customer c;

double cno; int count=0,seats;

float totalp;

char to[50],from[50],passenger\_name[10][20],passport\_no[10][15];

int no;

fstream f2("Customer.dat",ios::binary|ios::in|ios::out);

clrscr(); gotoxy(15,5);

cout<<"Enter the Customer Number of Customer: ";

cin>>cno;

while(f2.read((char\*)&c,sizeof(c)))

{ if(cno==c.retcustomer\_no())

{c.output();

cout<<"\nEnter TO Location: ";

gets(to);

cout<<"Enter FROM Location: ";

gets(from);

cout<<"\n"<<setw(10)<<"Airline";

cout<<setw(10)<<"Seats";

cout<<setw(10)<<"Price";

cout<<setw(25)<<"Departure Time";

cout<<setw(20)<<"Flight Number";

fstream file("Flight.dat",ios::binary|ios::in|ios::out);

while(file.read((char\*)&f,sizeof(f)))

if(strcmpi(f.to,to)==0&&strcmpi(f.from,from)==0)

{output\_tab(f);count++;}

file.close();

if(count==0)

{cout<<"\n\nNo Flights with Those Specifications is Available";break;}

count=0;

cout<<"\n\nEnter Flight Number Of Desired Flight: ";

cin>>no;

file.open("Flight.dat",ios::binary|ios::in|ios::out);

int found=0;

while(file.read((char\*)&f,sizeof(f)))

{if(no==f.fno)

{ found=1;

cout<<"\nEnter No. Of Seats To be Booked(<=10): ";

cin>>seats;

if(seats<=f.no\_seats&&seats<=10)

{ output\_this(f);

cout<<endl<<"Travel in this Flight?(y/n)"<<endl;

char ch;

cin>>ch;

if(ch=='n'||ch=='N')

break;

ofstream fout("Booking.dat",ios::binary|ios::app);

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

{cout<<"\n Enter Information of Passenger Number "<<(i+1);

cout<<": \n\tPassenger Name: "; gets(passenger\_name[i]);

cout<<"\n\tPassport Number: ";gets(passport\_no[i]);

b.enter(no,cno,passenger\_name[i],passport\_no[i]);

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

}

totalp=seats\*f.seatp;

f.no\_seats=f.no\_seats-seats;

cout<<endl<<”Total Price: “<<totalp;

c.plot\_history(f,totalp,seats,passenger\_name,passport\_no); f2.seekg(-sizeof(c),ios::cur);

file.seekg(-sizeof(f),ios::cur);

f2.write((char\*)&c,sizeof(c));

file.write((char\*)&f,sizeof(f));

fout.close();

f2.close();

file.close();

clrscr();gotoxy(15,10);

cout<<"Booking done";

getch();break;

}

else

{

clrscr();gotoxy(15,10);

if(seats>f.no\_seats)

{cout<<"Not Enough Seats On Flight";getch();break;}

else if(seats>10)

{cout<<"Exceeded The Possible Number of Passengers That can be Carried in One Booking"; getch();break;}

}

}

}

if(found==0)

{clrscr();gotoxy(15,10);

cout<<"No Flight Of That Number Exist";getch(); break;

}

}

else

{clrscr();gotoxy(15,10);

cout<<"Customer Does Not Exist";getch();break;}

}

}

void intro()

{

gotoxy(30,5);

cout<<"CARMEL SCHOOL KUWAIT";

gotoxy(31,10);

cout<<"Airline Ticketing Agency";

gotoxy(15,11);

cout<<"By Hussain Manasi, Unati Sharma, Albert and Sancia";

gotoxy(3,17);

cout<<"This program stores details of various flights and their seats availability.\n";

cout<<"It also stores details of customers and maintains a record of transactions\n made by the customer";

getch();}

void main()

{char ch; Flight f; customer c; admin A;

int opt,no;

intro();

do

{clrscr();

gotoxy(35,10);

cout<<"ULTIMA TRAVEL AGENCY";

gotoxy(25,13);

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";

gotoxy(25,15);

cout<<"1. Add a Flight"<<endl;

gotoxy(25,16);

cout<<"2. Delete a Flight"<<endl;

gotoxy(25,17);

cout<<"3. Book Tickets"<<endl;

gotoxy(25,18);

cout<<"4. Add a Customer"<<endl;

gotoxy(25,19);

cout<<"5. Display Menu"<<endl;

gotoxy(25,20);

cout<<"6. Administrator Menu"<<endl;

gotoxy(25,21);

cout<<"7. EXIT"<<endl;

gotoxy(25,24);

cout<<"Press W to Move Up and S to Move Down";

opt=select(15,21,23);

switch(opt)

{case 1: add();

break;

case 2: if(fchecker()!=0)

remove();

else

{clrscr();

gotoxy(20,20);

cout<<"Error: Flight file empty";}

break;

case 3: if(cchecker()==1)

book\_flight();

else

{clrscr();gotoxy(20,10);

cout<<"First Add a Customer";

}

break;

case 4:{clrscr();

ofstream fout("Customer.dat",ios::binary|ios::app);

c.input();

fout.write((char\*)&c,sizeof(c));

break;}

case 5: display\_Menu();

break;

case 6: admin\_Menu();

break;

case 7: exit(0);}

getch();

}while(opt!=9);}

**Input/Output:**

CARMEL SCHOOL KUWAIT

Airline Ticketing Agency

By Hussain Manasi, Unati Sharma, Albert and Sancia

This program stores details of various flights and their seats availability.

It also stores details of customers and maintains a record of transactions

made by the customer

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

> 5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

\*\*\*DISPLAY MENU\*\*\*

> 1. Display Flights By Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

ERROR: FILE EMPTY

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights By Specification

>2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

ERROR: FILE EMPTY

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights By Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

>4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

ERROR: FILE EMPTY

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

>5. Return to Main Menu

6. EXIT

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

> 1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter From Destination(<10): Mumbai

Enter To Destination(<10): Kolkata

Enter Name of Airline(<10): Spicy

Enter Number of Seats: 100

Enter Price of One Seat: 250

Enter Departure Date and Time('dd/mm/yyyy at \_h\_min') as a string:

12/10/2020 at 7h 23min

Flight number: 1000

Flight added successfully

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

> 1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter From Destination (<10): Houston

Enter To Destination (<10): New York

Enter Name of Airline (<10): Alaskan

Enter Number of Seats: 500

Enter Price of One Seat: 562

Enter Departure Date and Time('dd/mm/yyyy at \_h\_min') as a string:

11/3/2019 at 13h 40min

Flight number: 1001

Flight added successfully

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

> 1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter From Destination(<10): Sydney

Enter To Destination(<10): Rome

Enter Name of Airline(<10): Emirales

Enter Number of Seats: 5

Enter Price of One Seat: 10

Enter Departure Date and Time('dd/mm/yyyy at \_h\_min') as a string:

10/10/2019 at 8h 10min

Flight number: 1002

Flight added sucessfully

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

>5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

\*\*\*DISPLAY MENU\*\*\*

>1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

\*\*\*FLIGHT MENU\*\*\*

1. Search Flights By Destinations

>2. Display All Available Flights

3. Return to Display Menu

4. EXIT

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

From To Seats Price Departure Time Flight Number

Mumbai Kolkata 100 250 12/10/2020 at 7h 23min 1000

Houston New York 500 562 11/3/2019 at 13h 40min 1001

Sydney Rome 5 10 10/10/2019 at 8h 10min 1002

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

\*\*\*FLIGHT MENU\*\*\*

>1. Search Flights By Destinations

2. Display All Available Flights

3. Return to Display Menu

4. EXIT

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

Enter To and From Locations

TO: Kolkata

FROM: Mumbai

Airline Seats Price Departure Time Flight Number

Spicy 100 250 12/10/2020 at 7h 23min 1000

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

\*\*\*FLIGHT MENU\*\*\*

1. Search Flights By Destinations

2. Display All Available Flights

>3. Return to Display Menu

4. EXIT

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

>5. Return to Main Menu

6. EXIT

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

3. Book Tickets

>4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter Name: Hussain

Enter 8 Digitmobile No.: 2564428

Enter Passport No.: MI54678

Sorry,Information Invalid

Press any Key to Reenter

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

Enter Name: Hussain

Enter 8 Digitmobile No.: 25644286

Enter Passport No.: MI54678

Customer Number : 1000

Successful Registration

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

>5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

>2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

Enter Customer Number of Customer To Be Searched: 1001

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

Customer Does Not Exist, PRESS ANY KEY TO RETURN TO DISPLAY MENU

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

>2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

Enter Customer Number of Customer To Be Searched: 1000

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

Name: Hussain

Customer Number: 1000

Passport Number: MI54678

Mobile Number: 25644286

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

2. Display Particular Customer's Information

>3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

Enter Customer Number of Customer To Be Searched: 1000

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

Name: Hussain

Customer Number: 1000

No Past Bookings Done

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

>5. Return to Main Menu

6. EXIT

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

>3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter the Customer Number of Customer: 1001

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

Customer Does Not Exist

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

>3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter the Customer Number of Customer: 1000

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

Name: Hussain

Customer Number: 1000

Passport Number: MI54678

Mobile Number: 25644286

Enter TO Location: Mumbai

Enter FROM Location: Kolkata

Airline Seats Price Departure Time Flight Number

No Flights with Those Specifications is Available

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

>3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter the Customer Number of Customer: 1000

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

Name: Hussain

Customer Number: 1000

Passport Number: MI54678

Mobile Number: 25644286

Enter TO Location: Kolkata

Enter FROM Location: Mumbai

Airline Seats Price Departure Time Flight Number

Spicy 100 250 12/10/2020 at 7h 23min 1000

Enter Flight Number Of Desired Flight: 1000

Enter No. Of Seats To be Booked(<=10): 3

Airline:Spicy

No. of Seats: 100

Seat Price: 250

Departure Date and Time: 12/10/2020 at 7h 23min

Flight Number: 1000

Travel in this Flight?(y/n)

Y

Enter Information of Passenger Number 1:

Passenger Name: Hussain

Passport Number: MI54678

Enter Information of Passenger Number 2:

Passenger Name: Karen

Passport Number: MI98324

Enter Information of Passenger Number 3:

Passenger Name: Rahul

Passport Number: MI25648

Total Price: 750

Enter the Date of Booking: 3/11/2018

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

Booking done

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

>3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter the Customer Number of Customer: 1000

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

Name: Hussain

Customer Number: 1000

Passport Number: MI54678

Mobile Number: 25644286

Enter TO Location: Rome

Enter FROM Location: Sydney

Airline Seats Price Departure Time Flight Number

Emirales 5 10 10/10/2019 at 8h 10min 1002

Enter Flight Number Of Desired Flight: 1002

Enter No. Of Seats To be Booked(<=10): 6

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

Not Enough Seats On Flight

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

>3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter the Customer Number of Customer: 1000

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

Name: Hussain

Customer Number: 1000

Passport Number: MI54678

Mobile Number: 25644286

Enter TO Location: New York

Enter FROM Location: Houston

Airline Seats Price Departure Time Flight Number

Alaskan 500 562 11/3/2019 at 13h 40min 1001

Enter Flight Number Of Desired Flight: 1001

Enter No. Of Seats To be Booked(<=10): 12

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

Exceeded The Possible Number of Passengers That can be Carried in One Booking

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

>3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter the Customer Number of Customer: 1000

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

Name: Hussain

Customer Number: 1000

Passport Number: MI54678

Mobile Number: 25644286

Enter TO Location: New York

Enter FROM Location: Houston

Airline Seats Price Departure Time Flight Number

Alaskan 500 562 11/3/2019 at 13h 40min 1001

Enter Flight Number Of Desired Flight: 1001

Enter No. Of Seats To be Booked(<=10): 3

Airline:Alaskan

No. of Seats: 500

Seat Price: 562

Departure Date and Time: 11/3/2019 at 13h 40min

Flight Number: 1001

Travel in this Flight?(y/n)

y

Enter Information of Passenger Number 1:

Passenger Name: Matthew

Passport Number: MI26547

Enter Information of Passenger Number 2:

Passenger Name: Nelson

Passport Number: MI75364

Enter Information of Passenger Number 3:

Passenger Name: Wilson

Passport Number: MI32489

Total Price: 1686

Enter the Date of Booking: 25/09/2018

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

Booking done

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

>5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

>4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

Enter the Flight Number: 1000

Passenger Name Passport No. Reg. by Customer No.

Hussain MI54678 1000

Karen MI98324 1000

Rahul MI25648 1000

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

>4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

Enter the Flight Number: 1001

Passenger Name Passport No. Reg. by Customer No.

Matthew MI26547 1000

Nelson MI75364 1000

Wilson MI32489 1000

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

\*\*\*DISPLAY MENU\*\*\*

>1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

\*\*\*FLIGHT MENU\*\*\*

1. Search Flights By Destinations

>2. Display All Available Flights

3. Return to Display Menu

4. EXIT

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

From To Seats Price Departure Time Flight Number

Mumbai Kolkata 97 250 12/10/2020 at 7h 23min 1000

Houston New York 497 562 11/3/2019 at 13h 40min 1001

Sydney Rome 5 10 10/10/2019 at 8h 10min 1002

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

\*\*\*FLIGHT MENU\*\*\*

1. Search Flights By Destinations

2. Display All Available Flights

>3. Return to Display Menu

4. EXIT

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

>5. Return to Main Menu

6. EXIT

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

>2. Delete a Flight

3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter Flight Number to remove: 1003

Flight Number 1003 does not exist, and therefore was not deleted

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

>2. Delete a Flight

3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

Enter Flight Number to remove: 1002

Flight Number 1002 was deleted

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

>5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

2. Display Particular Customer's Information

>3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

Name: Hussain

Customer Number: 1000

Date Booked: 3/11/2018

To: Kolkata

From: Mumbai

Flight Number: 1000

Departure Time: 12/10/2020 at 7h 23min

Number of seats booked: 3

Total Price Paid: 750

PASSENGERS

Passenger name Passport Number

Hussain MI54678

Karen MI98324

Rahul MI25648

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

Date Booked: 25/09/2018

To: New York

From: Houston

Flight Number: 1001

Departure Time: 11/3/2019 at 13h 40min

Number of seats booked: 3

Total Price Paid: 1686

PASSENGERS

Passenger name Passport Number

Matthew MI26547

Nelson MI75364

Wilson MI32489

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

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

\*\*\*DISPLAY MENU\*\*\*

>1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

\*\*\*FLIGHT MENU\*\*\*

1. Search Flights By Destinations

>2. Display All Available Flights

3. Return to Display Menu

4. EXIT

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

From To Seats Price Departure Time Flight Number

Mumbai Kolkata 97 250 12/10/2020 at 7h 23min 1000

Houston New York 497 562 11/3/2019 at 13h 40min 1001

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

\*\*\*FLIGHT MENU\*\*\*

1. Search Flights By Destinations

2. Display All Available Flights

>3. Return to Display Menu

4. EXIT

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

>5. Return to Main Menu

6. EXIT

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

5. Display Menu

>6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

\*\*\*\*\*ADMINISTRATOR MENU\*\*\*\*\*

>1. Add an Administrator

2. Change Password

3. Clear Customer File

4. Clear Flight File

5. Clear Booking File

6. Return to Main Menu

7. EXIT

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

Enter Username: Hussain

Enter Password(Case Sensitive): \*\*\*\*\*\*\*\*\*

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

\*\*\*\*\*ADMINISTRATOR MENU\*\*\*\*\*

1. Add an Administrator

>2. Change Password

3. Clear Customer File

4. Clear Flight File

5. Clear Booking File

6. Return to Main Menu

7. EXIT

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

Enter Pre-existing Username and Password

Username: Hussain

Password: \*\*\*\*\*\*\*\*\*

Checking Username and Password........

Administrator Verified

Enter New Password: \*\*\*\*\*\*\*\*\*

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

\*\*\*\*\*ADMINISTRATOR MENU\*\*\*\*\*

1. Add an Administrator

2. Change Password

>3. Clear Customer File

4. Clear Flight File

5. Clear Booking File

6. Return to Main Menu

7. EXIT

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

Enter Existing Username and Password

Username: Hussain

Password: \*\*\*\*\*\*\*\*\*\*

Administrator Not VerifiedPassword..........

Enter Y to Re-enter and N to exit: y

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

Enter Existing Username and Password

Username: Hussain

Password: \*\*\*\*\*\*\*\*\*

Checking Username and Password..........

Administrator Verified

Customer File Cleared

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

\*\*\*\*\*ADMINISTRATOR MENU\*\*\*\*\*

1. Add an Administrator

2. Change Password

3. Clear Customer File

>4. Clear Flight File

5. Clear Booking File

6. Return to Main Menu

7. EXIT

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

Enter Existing Username and Password

Username: Hussain

Password: \*\*\*\*\*\*\*\*\*

Checking Username and Password..........

Admin Verified

Flight File Cleared

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

\*\*\*\*\*ADMINISTRATOR MENU\*\*\*\*\*

1. Add an Administrator

2. Change Password

3. Clear Customer File

4. Clear Flight File

>5. Clear Booking File

6. Return to Main Menu

7. EXIT

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

Enter Existing Username and Password

Username: Hussain

Password: \*\*\*\*\*\*\*\*\*

Checking Username and Password..........

Admin Verified

Booking File Cleared

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

\*\*\*\*\*ADMINISTRATOR MENU\*\*\*\*\*

1. Add an Administrator

2. Change Password

3. Clear Customer File

4. Clear Flight File

5. Clear Booking File

>6. Return to Main Menu

7. EXIT

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

> 5. Display Menu

6. Administrator Menu

7. EXIT

Press W to Move Up and S to Move Down

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

\*\*\*DISPLAY MENU\*\*\*

> 1. Display Flights By Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

5. Return to Main Menu

6. EXIT

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

ERROR: FILE EMPTY

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

\*\*\*DISPLAY MENU\*\*\*

1. Display Flights by Specification

2. Display Particular Customer's Information

3. Display History of a Particular Customer

4. Show the Info of All Passengers on a Flight

>5. Return to Main Menu

6. EXIT

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

ULTIMA TRAVEL AGENCY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*MENU\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add a Flight

2. Delete a Flight

3. Book Tickets

4. Add a Customer

5. Display Menu

6. Administrator Menu

>7. EXIT

Press W to Move Up and S to Move Down

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

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Secondly i would also like to thank my parents and group members who helped me a lot in finalizing this project.