#include <iostream.h>

#include<stdio.h>

#include <conio.h>

#include <string.h>

struct Flight

{ string fnum;

int capacity;

}

struct Passenger

{ char PassNo [20], airline [20] ;

int dd,mm,yy;

char name [20], cityarr[20], citydep[20];

int DD,MM,YY;

// dd/mm/yy = DOB

// DD/MM/YY = DATE OF DEPARTURE

} a[20];

char airlines[][20] = {"ETIHAD AIRWAYS","JET AIRWAYS","AMERICAN AIRLINES","EMIRATES","AIR INDIA"};

void Booking (Passenger a[20], int);

void Edit (Passenger a[20],int);

void Cancel (Passenger a[20], int);

void Check (Passenger a[20],int);

void main ()

{ int n, ch;

cout <<"\n Welcome to Ali-Baba Travels and Booking Services";

cout <<"\n Enter the limit for number of passengers that you are booking for";

cin>>n;

do

{ cout<<"\n Menu";

cout<<"\n 1. Make a booking";

cout<<"\n 2. Edit a current booking";

cout<<"\n 3. Cancel your booking";

cout<<"\n 4. Track your booking";

cout<<"\n 5. Exit";

cout<<"\n Please enter your choice to continue";

cin>>ch;

switch (ch)

{ case 1: Booking(a,n);

break;

case 2: Edit(a,n);

break;

case 3: Cancel(a,n);

break;

case 4: Check(a,n);

break;

case 5: exit(0);

break;

}

} while (ch<=5);

getch ();

}

void Booking(Passenger a[20],int n)

{ int ch,i;

cout<<"\n Thank you for choosing to make a reservation with us";

cout<<"\n The following is the list of airlines that can be booked through our portal";

//cout<<"\n 1. ETIHAD AIRWAYS";

//cout<<"\n 2. JET AIRWAYS";

//cout<<"\n 3. AMERICAN AIRLINES";

//cout<<"\n 4. EMIRATES";

//cout<<"\n 5. AIR INDIA";

for (i=0,;i<5;i++)

cout<<airlines[i];

cout<<"\n Enter passenger details";

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

{ cout<<"\n Please enter NAME, PASSPORT NUMBER AND DATE OF BIRTH TO PROCEED\t";

cin>>a[i].name>>a[i].dd>>a[i].mm>>a[i].yy>>a[i].PassNo;

}

cout<<"\n Please enter your city of departure and arrival\t";

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

{ cout<<"\n Passenger "<<i;

cin>>a[i].cityarr>>a[i].citydep;

}

cout<<"\n Kindly enter your required date of departure\t";

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

{ cout<<"\n Passenger "<<i;

cin>>a[i].DD>>a[i].MM>>a[i].YY;

}

cout<<"\n Thank you. The following Passengers are available for your entered choices:";

cout<<"\n 1.ETIHAD AIRWAYS EY210 DEPARTURE TIME: 0800HRS";

cout<<"\n 2.JET AIRWAYS 9W321 DEPARTURE TIME: 1830HRS";

cout<<"\n 3.EMIRATES EK 213 DEPARTURE TIME: 2000HRS";

cout<<"\n Enter the name of your preferred airline and Passenger number\t";

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

{ cout<<"\n Passenger "<<i;

cin>>a[i].airline;

}

cout<<"\n Your airline has been successfully accepted";

cout<<"\n You have successfully made a booking with your preferred airline on the given date and time.";

cout<<"\n Do you wish to track your booking?";

cout<<"\n 1. YES(Y)";

cout<<"\n 2. NO(N)";

cout<<"\n Enter your choice";

cin>> ch;

switch (ch)

{case 'Y': Check(a,n);

case 'N': cout<<"\n Thank you for booking with us. Please visit us again";

}

}

void Edit(Passenger a[20],int n)

{ char ch,pno;

cout<<"\n You have selected to edit your current Passenger booking";

cout<<"\n Please enter your passport number\t";

cin>>pno;

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

{if (strcmpi(a[i].PassNo,pno)==0)

{cout<<"\n Your current reservation details are\t";

cout<<a[i].cityarr<<" "<<a[i].citydep<<" "<<a[i].name<<" "<<a[i].PassNo<<" "<<a[i].airline<<" DATE OF DEPARTURE"<<a[i].DD<<a[i].MM<<a[i].YY;

cout<<"\n Do you wish to edit the"

cout<<"\n 1. Date of Departure";

cout<<"\n 2. Airline choice";

cout<<"\n Enter your choice";

cin>>ch;

switch (ch)

{case 1: cout<<"\n Enter your new date\t";

cin>>a[i].DD>>a[i].MM>>a[i].YY;

case 2: cout<<"\n Enter your new choice";

cout<<"\n 1.ETIHAD AIRWAYS EY210 DEPARTURE TIME: 0800HRS";

cout<<"\n 2.JET AIRWAYS 9W321 DEPARTURE TIME: 1830HRS";

cout<<"\n 3.EMIRATES EK 213 DEPARTURE TIME: 2000HRS";

cin>>a[i].airline;

}

}

else

cout <<"\n Your passport number doesn't have a match with our database.";

}

cout<<"\n Your Passenger details have been updated";

}

void Cancel(Passenger a[20],int n)

{ char ch,pno;

cout<<"\n You have selected to cancel your current Passenger booking";

cout<<"\n Please enter your passport number\t";

cin>>pno;

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

{if (strcmpi(a[i].PassNo,pno)==0)

{cout<<"\n Your current reservation details are\t";

cout<<a[i].cityarr<<" "<<a[i].citydep<<" "<<a[i].name<<" "<<a[i].PassNo<<" "<<a[i].airline<<" DATE OF DEPARTURE:"<<a.[i]DD<<<<"/"<<a[i].MM<<"/"<<a[i].YY;

cout<<"\n Do you wish to:";

cout<<"\n 1. Cancel";

cout<<"\n 2. Edit";

cout<<"\n Enter your choice\t";

cin>>ch;

switch (ch);

{case 1: a[i].airline = a.[i]cityarr = a[i].citydep = a[i].name = a[i].PassNo = " ";

a[i].DD=a[i].dd=a[i].MM=a[i].mm=a[i].PassNo=a[i].YY=a[i].yy= 0;

cout<<"\n Your details have been canceled";

case 2: Edit (a,n);

}

}

else

cout <<"\n Your passport number doesn't have a match with our database.";

}

}

void Check(a[20],int n)

{ char ch,pno;

cout<<"\n You have selected to cancel your current Passenger booking";

cout<<"\n Please enter your passport number\t";

cin>>pno;

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

{if (strcmpi(a[i].PassNo,pno)==0)

{cout<<"\n Your current reservation details are\t";

cout<<a[i].airline<<" DATE OF DEPARTURE:"<<a.[i]DD<<<<"/"<<a[i].MM<<"/"<<a[i].YY<<"\t";

cout<<a[i].cityarr<<" "<<a[i].citydep<<" "<<a[i].name<<" "<<a[i].PassNo;

}

}

}