FINAL CODE

#include <stdio.h>

#include <string.h>

#include <stdlib.h>

#include <math.h>

#include <time.h>

int domestic();

int international();

int seats();

void payment();

struct date\_of\_travel

{

int dt,yr;

char mon[15];

}dot;

struct number\_of\_tickets

{

int n;

}n\_o\_t;

struct variable

{

int n1;

char d[10];

char seat[20];

};

struct information

{

char name[50],e\_add[50],id[12];

int age,tickets;

long int mob;

struct date\_of\_birth

{

int date;

char month[15];

int year;

}dob;

}info[100];

void details(struct information info[])

{

int i,j;

char ch;

printf("\nEnter the number of tickets to be booked : ");

scanf("%d",&n\_o\_t.n);

for(i=0;i<n\_o\_t.n;i++)

{

printf("\nEnter your Aadhar ID : ");

scanf("%s",info[i].id);

if(strlen(info[i].id)==12)

{

printf("\nEnter your name : ");

scanf("%s",info[i].name);

printf("\nEnter your email address : ");

scanf("%s",info[i].e\_add);

printf("\nEnter your mobile number : ");

scanf("%ld",&info[i].mob);

printf("\nEnter your age : ");

scanf("%d",&info[i].age);

printf("\nEnter your date of birth : ");

scanf("%d %s %d",&info[i].dob.date,info[i].dob.month,&info[i].dob.year);

}

else

{

printf("Invalid Aadhar ID");

break;

}

}

}

int main()

{

struct variable var;

struct date\_of\_travel dot;

int choice;

char dom\_int[1],depart[50],dest[50],yn[1],pay[1];

printf("\033[0;33m");

printf("WELCOME TO FLIGHT BOOKING SYSTEM\n\n");printf("Please enter the details in Capital letter only\n");

printf("\033[0;32m");printf("Press 5 to continue\n");

scanf("%d",&choice);printf("\n");

if(choice==5)

{

printf("\033[0;37m");

printf("Please Enter the following details");

printf("\nPress D for booking domestic flights and I for international flights : ");

scanf("%s",var.d);

printf("\nDepart From : ");

scanf("%s",depart);

printf("\nDestination : ");

scanf("%s",dest);

printf("Enter the Travel Date\t");

scanf("%d %s %d",&dot.dt,dot.mon,&dot.yr);

details(info);

printf("\n");

printf("Press Y for viewing the available flights from %s to %s ",depart,dest);

scanf("%s",yn);

printf("\n");

if(strcmp(yn,"Y")==0)

{if(strcmp(var.d,"D")==0)

{domestic();}

else

{international();}}

printf("\033[0;37m");

printf("\n");printf(" ================================================\n");

printf(" Choose your desirable flight by typing 1 2 3 or 4\t");

scanf("%d",&var.n1);

if(strcmp(var.d,"D")==0)

{printf(" ");}

else

{seats();}printf("\n\n");

printf("every detail will be displayed\n\n");

printf("If all the credentials are correct press Y to go ahead with the Payment else press N\n");

scanf("%s",pay);

if(strcmp(pay,"Y")==0){payment();}

else{printf("Press 1 to refresh and start over");}

printf("\nTICKET DETAILS\n");

printf("Number of passengers : %d",n\_o\_t.n);

int i;

for(i=0;i<n\_o\_t.n;i++)

{

printf("\nName Of Passenger : %s",info[i].name);}

printf("\nTravel Date : %d %s %d",dot.dt,dot.mon,dot.yr);

char dep[20];

strcpy(dep,depart);

printf("\nDepart from : %s\n",dep);

printf("Destination : %s\n",dest);

printf("Payment Details");

printf("\n");

if(strcmp(var.d,"D")==0)

{if (var.n1==1 || var.n1==2 || var.n1==3 || var.n1==4)

{printf("total amount : %d",(n\_o\_t.n)\*5517);}}

else

{if(var.n1==1){printf("total amount : %d",(n\_o\_t.n)\*10599);}

else if(var.n1==2){printf("total amount : %d",(n\_o\_t.n)\*12000);}

else if(var.n1==3){printf("total amount : %d",(n\_o\_t.n)\*9559);}

else if(var.n1==4){printf("total amount : %d",(n\_o\_t.n)\*9990);}}

printf("\n\n");

printf("YOUR FLIGHT HAS BEEN BOOKED\nTHANKYOU FOR CHOOSING FLIGHT BOOKING SYSTEM\nTHANKYOU!!");

}

else

{printf("Thank You");}

return 0;

}

int domestic()

{

printf("Flights Available :");

printf("\n\n");printf("\033[0;33m");

char \*dof[][25]={

{"\t","Airlines\t","departure\t","arrival\t\t","duration\t","price"},

{"------------------------------------------------------------------------------"},

{"1\t","Indigo\t\t","12:50\t\t","2:05\t\t","1h 50m\t\t","₹5517"},

{"\t","\t\t\t","\t\t","\t","non stop"},{},

{"2\t","Indigo\t\t","15:45\t\t","19:40\t\t","3h 55m\t\t","₹5517"},

{"\t","\t\t\t","\t\t","\t","one stop",""},{},

{"3\t","Air India\t","15:45\t\t","19:40\t\t","3h 55m\t\t","₹5517"},

{"\t","\t\t\t","\t\t","\t","one stop",""},{},

{"4\t","Go First\t","15:45\t\t ","19:40\t\t","1h 50m\t\t","₹5517"},

{"\t","\t\t\t","\t\t","\t","non stop",""},{"------------------------------------------------------------------------------"}};

int i,j;

for(i=0;i<14;i++)

{

for(j=0;j<6;j++)

{

if(dof[i][j]!=NULL)

printf("%s",dof[i][j]);

}printf("\n");

}

return 0;

}

int international()

{

struct variable d1;

printf("Flights Available :");

printf("\n\n");printf("\033[0;33m");

char \*dof[][25]=

{ {"\t","Airlines\t","Departure\t","Arrival\t\t","Duration\t","price"},

{"------------------------------------------------------------------------------"},

{"1\t","Air Asia\t","12:50\t\t","15:05\t\t","3h 05m\t\t","₹10599"},

{"\t","\t\t\t","\t\t","\t","non stop"},{},

{"2\t","Emirates\t","15:45\t\t","19:40\t\t","3h 55m\t\t","₹12000"},

{"\t","\t\t\t","\t\t","\t","one stop",""},{},

{"3\t","Scoot Airlines\t","15:45\t\t","19:40\t\t","3h 55m\t\t","₹9559"},

{"\t","\t\t\t","\t\t","\t","one stop",""},{},

{"4\t","Air Asia\t","15:45\t\t ","19:40\t\t","1h 50m\t\t","₹9990"},

{"\t","\t\t\t","\t\t","\t","non stop",""},{"------------------------------------------------------------------------------"}};

int i,j;

for(i=0;i<14;i++)

{

for(j=0;j<6;j++)

{

if(dof[i][j]!=NULL)

printf("%s",dof[i][j]);

}printf("\n");

}

return 0;

}

int seats(struct information info[])

{

int c;

int i;

int j;

int p;

char \*s[20]={"A1","A2","A3","A4","A5"}, \*r[20]={"B6","B7","B8","B9","B10"};

printf("Welcome to airline seat reservation\n\n");

printf("\033[0;33m");

printf("Choose 1 for First Class and 2 for Economy Class\t");

printf("\033[0;37m");

scanf("%i",&c);

switch (c)

{

case 1:

printf("\n first class\n");

printf("\033[0;33m");

printf("Seats available are A1,A2,A3,A4,A5.\n");

printf("\033[0;37m");

printf("Pick a seat:\nPress 1 2 3 4 5 respectively\n");

scanf("%i",&p);

if(p==1 || p==2 || p==3 || p==4 || p==5)

{printf("\n\nSeat taken..\n\n");

printf("\n");

printf(".........................\n");

printf("\033[0;33m");

printf("Class:First class \n");

printf("Seat no:%s\n",s[p-1]);

printf(".......................\n\n");

}

else

{printf("\n wrong number!..No seat");}break;

case 2:

printf("\n Economical class\n");

printf("\033[0;33m");

printf("Seats available are B6,B7,B8,B9,B10.\n");

printf("\033[0;37m");

printf("Pick a seat:\nPress 1 2 3 4 5 respectively\n");

scanf("%i",&p);

if(p==1 || p==2 || p==3 || p==4 || p==5)

{printf("\n\nSeat taken..\n\n");

printf("\n");

printf(".........................\n");

printf("\033[0;33m");

printf("Class:first class \n");

printf("seat no:%s\n",r[p-1]);

printf(".......................\n\n");}

else

{ printf("\n wrong number!..No seat");}

break;

}

return 0;

}

void payment(struct variable var){

const int transact\_id = 12345678;

int transact\_amt = 10000;

int your\_money = 10000000;

char name[10];

int card = 0;

printf("\033[0;37m");

printf("\nBill payment:- \n");

printf("\033[0;33m");

printf("\nSelect your Card type-\n");

printf("1. Credit Card\n");

printf("2. Debit Card\n");

printf("3. Return to Main Page\n");

printf("Enter option (1), (2) or (3): ");

scanf("%d", &card);

if(card != 0 || card != 3){

char name[30];

int card\_num = 0;

int card\_month = 0;

int card\_year = 0;

int card\_cvv = 0;

int pay\_option = 0;

printf("\033[0;37m");

printf("\nEnter Card Details:- \n");

printf("Name on the card: ");

scanf("%s",name);

printf("Card Number: ");

scanf("%d", &card\_num);

printf("Month of expiry: ");

scanf("%d", &card\_month);

printf("Year of expiry: ");

scanf("%d", &card\_year);

printf("Card CVV: ");

scanf("%d", &card\_cvv);

printf("\nEnter (1) to pay, (0) to reset: ");

scanf("%d", &pay\_option);

}}