***Flight ticket booking code***

#include<stdio.h>

#include<stdlib.h>

#include<conio.h>

#include<string.h>

struct vicar\_airline

{

int passport[6];

char name[15];

int seat\_num;

char email[15];

struct vicar\_airline \*following;

}

\*begin, \*stream;

struct vicar\_airline \*dummy;

void main()

{

void reserve(int x), cancel(), display(), savefile();

int choice;

begin = stream = NULL;

int num = 1;

do

{

printf("Welcome To Vicar Airlines Online Booking Hub\n");

printf("1. Reservation\n");

printf("2. Cancel\n");

printf("3. Display Records\n");

printf("4. Exit\n");

printf("Enter Your Choice\n");

scanf("%d", &choice);

switch (choice)

{

case 1:

reserve(num);

num++;

break;

case 2:

cancel();

break;

case 3:

display();

break;

case 4:

{

savefile();

break;

}

default:

printf("ENTER VALID CHOICE(1-4)");

printf("Press Any Key To Go Back To Main Menu");

}

getch();

} while (choice != 4);

}

void details()

{

printf("Enter Your Passport Number: ");

scanf("%s", stream->passport);

printf("Enter your name: ");

scanf("%s", stream->name);

printf("Enter your email address: ");

scanf("%s", stream->email);

}

void details();

void reserve(int x)

{

stream = begin;

if (begin == NULL)

{

// first user

begin = stream = (struct vicar\_airline\*)malloc(sizeof(struct vicar\_airline));

details();

stream->following = NULL;

printf("Seat Booking Successful!\n");

printf("Your Seat Number Is: Seat A-%d", x);

stream->seat\_num = x;

return;

}

else if (x > 15)

{

printf("\nSeats Full");

return;

}

else

{

// next user

while (stream->following)

stream = stream->following;

stream->following = (struct vicar\_airline \*)malloc(sizeof(struct vicar\_airline));

stream = stream->following;

details();

stream->following = NULL;

printf("\nSeat Booking Succesful!");

printf("\nYour Seat Number Is: Seat A-%d", x);

stream->seat\_num = x;

return;

}

}

void savefile()

{

FILE \*fpointer = fopen("Vicar Records", "w");

if (!fpointer)

{

printf("\n Error In Opening File!");

return;

}

stream = begin;

//fprintf(fpointer, "Passport No.\t\t\tName\t\t\tEmail\n");

while (stream)

{

fprintf(fpointer, "%-6s", stream->passport);

fprintf(fpointer, "%-15s", stream->name);

fprintf(fpointer, "%-15s", stream->email);

fprintf(fpointer, "\n");

stream = stream->following;

}

printf("Details Have Been Saved To A File (Vicar Records)");

fclose(fpointer);

}

void display()

{

stream = begin;

while (stream)

{

printf("\nPassport Number : %-6s", stream->passport);

printf("\nName : %-15s", stream->name);

printf("\nEmail addressddress: %-15s", stream->email);

printf("\nSeat number: A-%d", stream->seat\_num);

stream = stream->following;

}

}

void cancel()

{

stream = begin;

char passport[6];

printf("\nEnter Passort Nmber to Delete Record?:");

scanf("%s", passport);

if (strcmp(begin->passport, passport) == 0)

{

dummy = begin;

begin = begin->following;

free(dummy);

printf("Booking Has Been Deleted\n");

return;

}

while (stream->following)

{

if (strcmp(stream->following->passport, passport) == 0)

{

dummy = stream->following;

stream->following = stream->following->following;

free(dummy);

printf("Has Been Deleted\n");

getch();

return;

}

stream = stream->following;

}

printf("Passport Number Is Wrong Please Check Your Passport\n");

}

Team:

Yathin Duruvu : RA2111026010110

Ravi Vamsi Krishna : RA2111026010114

Cheedella S V Abhinava Sai : RA2111026010127

Kurella Chaitanya : RA2111026010132

CSE Artificial intelligence and Machine learning T1 Section

Batch No: 2

Lab Instructor name: Shobana Mam

**Thank you**