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//Class - 439 Sp 2018

//Test 2

// Test 2.cpp : main project file.

#include "stdafx.h"

#include <iostream>

#include <conio.h>

using namespace System;

using namespace std;

void menuFunction();

void scheduleFunction();

void vacancyFunction();

void printReserv();

//change foneCounter, ftwoCounter, &/or fthreeCounter numbers to test flights

//max capacity counter(flight) = 15 = full

int choice, flightNum, foneCounter = 0, ftwoCounter = 0, fthreeCounter = 0;

char input, minput, pinput, full[5]="FULL", avail[10]="AVAILABLE";

int main()

{

system("color f0");

menu:menuFunction();

while(choice != 2){

scheduleFunction();

if(foneCounter<15 || ftwoCounter<15 || fthreeCounter<15){

printf("Press enter to book a flight or m to return to menu: ");

scanf("%c",&minput);

if(minput == 'm'){

goto menu;

}

vacancyFunction();

}else{

printf("\n\nAll flights are currently booked\n");

printf("\n\nPress enter to return to menu: ");

scanf("%c");

goto menu;

}

}

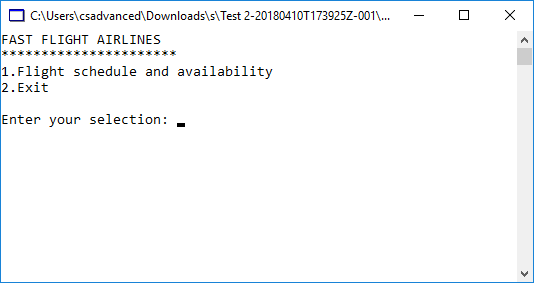
printf("\n\n");

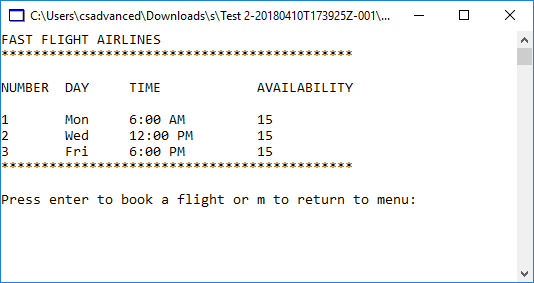
printf("Program is exiting.\n\n");

system("pause");

return 0;

}





void menuFunction(){

system("cls");

printf("FAST FLIGHT AIRLINES\n");

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

printf("1.Flight schedule and availability\n");

printf("2.Exit\n\n");

//printf("2.Report\n");

printf("Enter your selection: ");

scanf("%d",&choice);

scanf("%c");

}

void scheduleFunction(){

system("cls");

printf("FAST FLIGHT AIRLINES\n");

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

printf("NUMBER\tDAY\tTIME\t\tAVAILABILITY\n\n");

if(foneCounter<15){

printf("1\tMon\t6:00 AM\t\t%d\n",15-foneCounter);

}else{

printf("1\tMon\t6:00 AM\t\t%s\n",full);

}

if(ftwoCounter<15){

printf("2\tWed\t12:00 PM\t%d\n",15-ftwoCounter);

}else{

printf("2\tWed\t12:00 PM\t%s\n",full);

}

if(fthreeCounter<15){

printf("3\tFri\t6:00 PM\t\t%d\n",15-fthreeCounter);

}else{

printf("3\tFri\t6:00 PM\t\t%s\n",full);

}

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

/\*

printf("Press enter to book a flight or m to return to menu: ");

//minput = = getche();

scanf("%c",&minput);

\*/

/\*

printf("\*\*\*\*FLIGHT #1 IS %s\*\*\*\*\n",(foneCounter < 15) ? avail:full);

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

printf("\*\*\*\*FLIGHT #2 IS %s\*\*\*\*\n",(ftwoCounter < 15) ? avail:full);

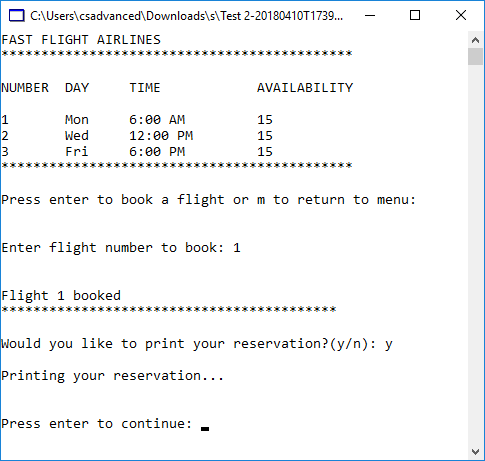
printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

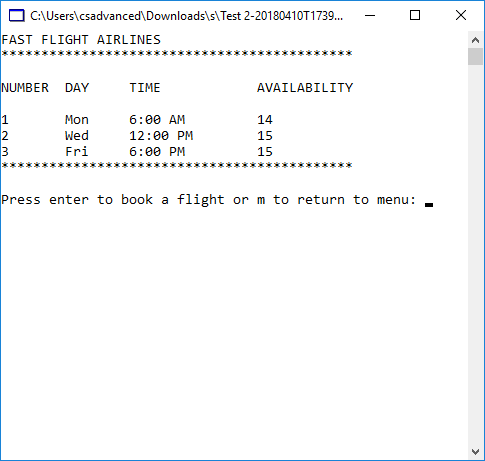
printf("\*\*\*\*FLIGHT #3 IS %s\*\*\*\*\n",(fthreeCounter < 15) ? avail:full);

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

\*/

}





void vacancyFunction(){

printf("\n\nEnter flight number to book: ");

scanf("%d", &flightNum);

//book flight 1

if(flightNum == 1 && foneCounter < 15){

foneCounter++;

printf("\n\nFlight 1 booked\n");

printReserv();

}else if(flightNum == 1 && foneCounter >= 15){

printf("\n\nUnable to book flight\n");

printf("Flight 1 already full\n");

}

//book flight 2

if(flightNum == 2 && ftwoCounter < 15){

ftwoCounter++;

printf("\n\nFlight 2 booked\n");

printReserv();

}else if(flightNum == 2 && ftwoCounter >= 15){

printf("\n\nUnable to book flight\n");

printf("Flight 2 already full\n");

}

//book flight 3

if(flightNum == 3 && fthreeCounter < 15){

fthreeCounter++;

printf("\n\nFlight 3 booked\n");

printReserv();

}else if(flightNum == 3 && fthreeCounter >= 15){

printf("\n\nUnable to book flight\n");

printf("Flight 3 already full\n");

}

printf("\n\nPress enter to continue: ");

scanf("%c");

return;

}

void printReserv(){

//system("cls");

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

printf("\nWould you like to print your reservation?(y/n): ");

//pinput = getche();

scanf("%c", &pinput);

scanf("%c", &pinput);

//scanf("%c");

if(pinput == 'y'){

printf("\nPrinting your reservation...\n");

}

scanf("%c");

return;

}

