Phu Danh Pham - 102619398 - Assignment 2(Stage C)

Stage C.

code:

#include <stdio.h>

#include <string.h>

#include <conio.h>

#include <stdlib.h>

typedef struct order{

char name[50];

int order\_number;

int number\_of\_food;

float cost;

}order;

order \*oP=NULL;

int order\_count = 0, served\_count = 0; //GLOBAL VARIABLE

int flag=1;

int cancel;

void items ()

{

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

printf("---------------------------------------------------------------------------\n");

printf("----------------------------Select Burger Type-----------------------------\n");

printf("[A]--------------------------Chicken Burger --------------------------15$--\n");

printf("[B]----------------------------Ham Burger-----------------------------17$--\n");

printf("[C]---------------------------Vegie Burger----------------------------13$--\n");

printf("[X]------------------------To return to Main Menu--------------------------\n");

}

void cancelation()

{

int i;

printf("Please enter your receipt number (the digit after B00) \n");

printf("B00");

scanf("%d",&cancel);

for(i=0; i<order\_count;i++)

{

if(cancel==oP[i].order\_number)

{

oP[order\_count].order\_number=0;

flag =0;

order\_count--;

printf("Your order B00%d has been canceled successfully .\n",oP[order\_count].order\_number);

}

if (flag==1)

printf("Sorry , invalid receipt number. Please try again... \n");

}

}

int main ()

{

again:

printf ("\t\t Welcome to Tasty Burgers\n");

while (1){

printf ("1. to Order\n2. to Cancel\n3. to Exit the program\n");

int in;

scanf ("%d", &in);

getchar ();

switch (in){

case 1 : {

oP=realloc(oP,sizeof(order)\*(order\_count+1));

int n, qu;

char in;

printf ("please enter your name: ");

gets (oP[order\_count].name);

oP[order\_count].order\_number =order\_count+1;

items();

oP[order\_count].number\_of\_food = n;

oP[order\_count].cost = 0;

oP[order\_count].number\_of\_food = 0;

level:

printf ("How many items you want to order? ");

scanf ("%d", &n);

getchar ();

while (n--){

printf ("\nEnter chosen item :\n");

scanf ("%c", &in);

getchar();

switch(in){

case 'A' : {

do{

printf("You choose Chicken Burger\n");

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

}while(qu==0);

oP[order\_count].number\_of\_food +=qu;

oP[order\_count].cost +=(15\*qu);

printf("Your currently bill value is $%.2f \n",oP[order\_count].cost);

break;

}

case 'B' :{

do{

printf("You choose Ham Burger \n");

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

}while(qu==0);

oP[order\_count].number\_of\_food +=qu;

oP[order\_count].cost +=(17\*qu);

printf("Your currently bill value is $%.2f \n",oP[order\_count].cost);

break;

}

case 'C' :{

do{

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

}while(qu==0);

oP[order\_count].number\_of\_food +=qu;

oP[order\_count].cost +=(13\*qu);

printf("Your currently bill value is $%.2f \n",oP[order\_count].cost);

break;

}

case 'X':{

goto again;

break;

}

default : {

printf ("Invalid selection try again\n");

n++;

}

}

}

char temp;

printf ("Do you want to order anything else?(y/n)\n ");

scanf("%c", &temp);

if (temp == 'y' || temp == 'Y')

goto level;

printf ("\nNumber of food ordered %d\n", oP[order\_count].number\_of\_food);

printf ("\nYour total bill is %.2f \n",oP[order\_count].cost);

if(oP[order\_count].number\_of\_food>5){

printf("Discount = $%.2f \n", (oP[order\_count].cost\*10)/100);

oP[order\_count].cost=oP[order\_count].cost-(oP[order\_count].cost\*10)/100;}

fflush(stdin);

printf ("Thank you %s for your order. Your bill is $%.2f.\n\n", oP[order\_count].name, oP[order\_count].cost);

fflush(stdin);

printf ("Please go to a register and make the payment by quoting the Receipt Number - B00%d \n",oP[order\_count].order\_number);

printf ("Order B00%d by %s is ready\n", oP[order\_count].order\_number, oP[order\_count].name);

printf ("Enjoy your meal\n\n");

served\_count++;

order\_count ++;

break;

}

case 2 : {

cancelation();

break;

}

case 3 : {

system ("COLOR 2");

printf ("We are closed \n\n");

printf ("\nThank you for your ordering\n");

printf ("Have A Good Burger For The Day\n\n");

printf ("See you next time. Have a good day\n");

printf ("\n Phu Danh Pham - 102619398\n\n");

return 0;

}

}

}

}



















