C and C++ Minor Project #2

Simple Food Ordering System

Program:

#include <stdio.h>

#include <string.h>

#include <conio.h>

struct order{

char name[50];

int order\_number;

int number\_of\_food;

int cost;

}p[10000];

int order\_count = 0, served\_count = 0, waiting\_now = 0;

int order ()

{

int n, in, qu;

printf ("please enter your name: ");

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

p[order\_count].order\_number = 10000+order\_count;

items();

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

p[order\_count].cost = 0;

p[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 code\n");

scanf ("%d", &in);

getchar();

switch(in){

case 11 : {

printf ("Enter the size of burger: 1. 200gm 2. 300gm\n");

int i;

scanf ("%d", &i);

getchar();

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

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

if (i==1) p[order\_count].cost += (130\*qu);

else p[order\_count].cost += (180\*qu);

break;

}

case 12 :{

printf ("Enter the size of Chicken Pizza: 1. 12inch 2. 14inch 3. 16inch\n");

int i;

scanf ("%d", &i);

getchar();

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

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

if (i==1) p[order\_count].cost += (750\*qu);

else if (i==2) p[order\_count].cost += (975\*qu);

else p[order\_count].cost += (1250\*qu);

break;

}

case 13 :{

printf ("Enter the amount of chicken: 1. 1 pcs 2. 4 pcs 3. 10 pcs\n");

int i;

scanf ("%d", &i);

getchar();

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

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

if (i==1) p[order\_count].cost += (85\*qu);

else if (i==2) p[order\_count].cost += (320\*qu);

else p[order\_count].cost += (790\*qu);

break;

}

case 14 :{

printf ("Enter the size of grilled chicken: 1. quarter 2. half 3. full\n");

int i;

scanf ("%d", &i);

getchar();

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

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

if (i==1) p[order\_count].cost += (70\*qu);

else if (i==2) p[order\_count].cost += (140\*qu);

else p[order\_count].cost += (250\*qu);

break;

}

case 15 :{

printf ("Enter the size of Noodles: 1. half 2. full\n");

int i;

scanf ("%d", &i);

getchar();

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

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

if (i==1) p[order\_count].cost += (130\*qu);

else p[order\_count].cost += (250\*qu);

break;

}

case 16 :{

printf ("Enter the size of pasta: 1. half 2. full\n");

int i;

scanf ("%d", &i);

getchar();

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

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

if (i==1) p[order\_count].cost += (120\*qu);

else p[order\_count].cost += (240\*qu);

break;

}

case 17 : {

printf ("250 mg of OREO SHAKE\n");

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

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

p[order\_count].cost += (180\*qu);

break;

}

case 18 : {

printf ("250 mg of Cold Coffee\n");

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

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

p[order\_count].cost += (65\*qu);

break;

}

case 19 : {

printf ("250 mg of Cappuccino\n");

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

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

p[order\_count].cost += (70\*qu);

break;

}

case 20 :{

printf ("Enter the size of Coke: 1. 250mg 2. 500mg\n");

int i;

scanf ("%d", &i);

getchar();

printf ("Please enter the quantity: ");

scanf ("%d", &qu);

getchar();

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

if (i==1) p[order\_count].cost += (20\*qu);

else p[order\_count].cost += (30\*qu);

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", p[order\_count].number\_of\_food);

printf ("\nThank you %s for your order. Your bill is %dtk.\nPlease wait while we prepare the food.\n\n", p[order\_count].name, p[order\_count].cost);

order\_count ++;

}

int receive ()

{

if (order\_count==0){

printf ("Please order first\n");

return;

}

else if (served\_count == order\_count) {

printf ("All order served\n");

return;

}

printf ("Order no. %d by %s is ready\n", p[served\_count].order\_number, p[served\_count].name);

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

served\_count++;

}

int display ()

{

printf ("Total order taken: %d\n", (order\_count));

printf ("Total number of order served %d\n", served\_count);

printf ("Number of Currently waiting to be served: %d\n", (order\_count-served\_count));

printf ("Currently preparing food for order no. %d\n\n", p[served\_count].order\_number);

}

void items ()

{

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

printf("Item Code# Description-------------------Size--------------------Price(tk)\n");

printf("[11]---------Burger---------------------200/300gm------------------130/180\n");

printf("[12]---------Chicken Pizza--------------12/14/16inch---------------750/975/1250\n");

printf("[13]---------Fried Chicken--------------1/4/10 pcs-----------------85/320/790\n");

printf("[14]---------Grilled Chicken------------quarter/half/full----------70/140/250\n");

printf("[15]---------Noodles--------------------Half/Full------------------130/250\n");

printf("[16]---------Pasta----------------------Half/Full------------------120/240\n");

printf("[17]---------Oreo Shake-----------------250mg----------------------180\n");

printf("[18]---------Cold Coffee----------------250mg----------------------65\n");

printf("[19]---------Cappuccino-----------------250mg----------------------70\n");

printf("[20]---------Coke-----------------------250/500mg------------------20/30\n\n");

}

int main ()

{

printf ("\t\t Welcome To Cafe Aroma\n");

while (1){

printf ("1. Order\n2. Serve\n3. Display \n4. Exit the program\n");

int in;

scanf ("%d", &in);

getchar ();

switch (in){

case 1 : {

order ();

break;

}

case 2 : {

receive();

break;

}

case 3 : {

display();

break;

}

case 4 : {

system ("COLOR 2");

printf ("We are closed come by again\n\n");

printf ("Project submitted by Team ERROR NOT FOUND\n\n");

printf ("Our hearty gratitude to honorable teacher\n\n");

printf (" Md. Nasir Uddin Eisty \n");

printf ("\n DEVELOPED BY Eyakub\n\n");

return 0;

}

}

}

}

OUTPUT:



