SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Programming For Problem Solving

PROJECT

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ONLINE SHOPPING SYSTEM

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ONLINE SHOPPING SYSTEM

An Online Shopping System is a software that uses to maintain the record of the items present in stock. It contains work like: adding items to cart, removing items from the cart, generate bill invoice with customer name. Here we are using the C Console to do this task. This is user friendly software to all the users and can access it anytime.

The important modules used in C are as follows:

- Main menu with different categories
- Display items in each category
- Add to cart
- Remove from cart
- Generated Bill invoice with Customer Name

AIM:

To show the working of Online Shopping System using C Language

SOURCE CODE:

```c
#include<stdio.h>
#include<string.h>
main()
{
  static int totalCost;
  int i,j,choice,c=1,a[9],cost[9];
  for(i=0;i<9;i++)
  a[i]=0;

  char str[100];
  char items[9][100]={"Cruzer 16 GB",
  "Xtrfy RGB Mouse",
  "Pendrive 16 GB",
  "Adidas",
  "Nike",
  "Puma",
  "OnePlus 9T",
  "Vivo V10",
  "Samsung Galaxy S21+ Ultra"
  };
  printf("Please Enter Your Name\n");
  gets(str);
  printf("Hello %s!!!\n Welcome to SRM Online Shopping :).\n",str);
  do{
   //C is 1 by default
   if(c==1){
   printf("Please Enter\n1 - Computer Accessories\n2 - Shoes\n3 - Mobiles\nAny
       other number to exit\n");
   scanf("%d",&choice);
```

```c
29    switch(choice)
30    {
31     case 1:
32     {
33      int accessoriesChoice;
34      printf("Enter the nUmber to choose your accessory\n1 - Cruzer 16 GB - Rs
             .499\n2 - Xtrfy RGB Mouse- Rs.1699\n3 - Pendrive 16 GB - Rs.549\nAny
             other number to exit\n");
35      scanf("%d",&accessoriesChoice);
36      cost[0]=499;
37      cost[1]=1699;
38      cost[2]=549;
39      switch(accessoriesChoice)
40      {
41       case 1:
42       {
43        int num;
44        printf("You chose Cruzer 16GB with Rs.499.\nAre you sure to buy?.If
               'Yes', Enter 1,else enter any number\n");
45        scanf("%d",&num);
46        if(num==1)
47        {
48         a[0]++;
49         totalCost+=499;
50        }
51        printf("Your Cost in Cart is %d\n",totalCost);
52        break;
53       }
54       case 2:
55       {
56        int num;
57        printf("You chose Xtrfy RGB Mouse with Rs.1699.\nAre you sure to buy
               ?.If 'Yes', Enter 1,else enter any number\n");
58        scanf("%d",&num);
59        if(num==1)
60        {
61         a[1]++;
62         totalCost+=1699;
63        }
64        printf("Your Cost in Cart is %d\n",totalCost);
65        break;
66       }
```

```c
67          case 3:
68          {
69           int num;
70           printf("You chose Pendrive 16GB with Rs.549.\nAre you sure to buy?.If
                  'Yes', Enter 1,else enter any number\n");
71           scanf("%d",&num);
72           if(num==1)
73           {
74            a[2]++;
75            totalCost+=549;
76           }
77           printf("Your Cost in Cart is %d\n",totalCost);
78           break;
79          }
80          default:{
81           printf("Exit from Computer Accesories\n");
82           break;
83          }
84         }
85         break;
86        }
87        case 2:
88        {
89         int shoesChoice;
90         printf("Enter\n1 - Adidas - Rs.6550\n2 - Nike - Rs.4999\n3 - Puma - Rs
                  .7999\nAny other number to exit\n");
91         scanf("%d",&shoesChoice);
92         cost[3]=6550;
93         cost[4]=4999;
94         cost[5]=7999;
95         switch(shoesChoice)
96         {
97          case 1:
98          {
99           int num;
100          printf("You chose Adidas Shoes for Rs.6550.\nAre you sure to buy?.If
                  'Yes', Enter 1,else enter any number\n");
101          scanf("%d",&num);
102          if(num==1)
103          {
104           a[3]++;
105           totalCost+=6550;
106          }
107          printf("Your Cost in Cart is %d\n",totalCost);
108          break;
109         }
```

```c
110        case 2:
111        {
112          int num;
113          printf("You chose Nike Shoes for Rs.4999.\nAre you sure to buy?.If
                   'Yes', Enter 1,else enter any number\n");
114          scanf("%d",&num);
115          if(num==1)
116          {
117            a[4]++;
118            totalCost+=4999;
119          }
120          printf("Your Cost in Cart is %d\n",totalCost);
121          break;
122        }
123        case 3:
124        {
125          int num;
126          printf("You chose Puma Shoes for Rs.7999.\nAre you sure to buy?.If
                   'Yes', Enter 1,else enter any number\n");
127          scanf("%d",&num);
128          if(num==1)
129          {
130            a[5]++;
131            totalCost+=7999;
132          }
133          printf("Your Cost in Cart is %d\n",totalCost);
134          break;
135        }
136        default:{
137          printf("Exit from Shoes Category\n");
138          break;
139        }
140      }
141      break;
142    }
143    case 3:
144    {
145      int mobileChoice;
146      printf("Enter\n1 - OnePlus 9T - Rs.39000\n2 - Vivo V10 - Rs.14999\n3 -
               Samsung Galaxy S21+ Ultra - Rs.110000\nAny other number to exit\n");
147      scanf("%d",&mobileChoice);
148      cost[6]=39000;
149      cost[7]=14999;
150      cost[8]=110000;
151      switch(mobileChoice)
152      {
```

```c
153      case 1:
154      {
155       int num;
156       printf("You chose to buy OnePlus 9T for Rs.39000.\nAre you sure to buy?
               If 'Yes', Enter 1,else enter any number\n");
157       scanf("%d",&num);
158       if(num==1)
159       {
160        a[6]++;
161        totalCost+=39000;
162       }
163       printf("Your Cost in Cart is %d\n",totalCost);
164       break;
165      }
166      case 2:
167      {
168       int num;
169       printf("You chose to buy Vivo V10 for Rs.14999.\nAre you sure to buy?
               If 'Yes', Enter 1,else enter any number\n");
170       scanf("%d",&num);
171       if(num==1)
172       {
173        a[7]++;
174        totalCost+=14999;
175       }
176       printf("Your Cost in Cart is %d\n",totalCost);
177       break;
178      }
179       case 3:
180       {
181        int num;
182        printf("You chose to buy Samsung Galaxy S21+ ultra for Rs.110000.\nAre
               you sure to buy? If 'Yes', Enter 1,else enter any number\n");
183        scanf("%d",&num);
184        if(num==1)
185        {
186         a[8]++;
187         totalCost+=110000;
188        }
189        printf("Your Cost in Cart is %d\n",totalCost);
190        break;
191       }
```

```c
192         default:{
193          printf("Exit from Mobile Category\n");
194          break;
195         }
196        }
197       break;
198      }
199     default:
200      {
201       printf("Enter Valid Categories Choice\n");
202       break;
203      }
204     }
205    printf("%s's cart\n",str);
206    printf("Id\tItems\t\t\tQuantity\t\t\tCost\n");
207    for(i=0;i<9;i++)
208     {
209      if(a[i]!=0)
210      {
211       printf("%d\t%s\t\t%d\t\t\t%d\n",i,items[i],a[i],(cost[i]*a[i]));
212      }
213     }
214    printf("Total Cost\t\t\t\t\t%d\n",totalCost);
215    printf("If you wish to buy anything more Enter\n1 to Add Item\n2 to Delete
          Items \nAny other number to Exit\n");
216    scanf("%d",&c);
217   }
218    if(c==2)
219    {
220     int id;
221     printf("Enter id to delete item\n");
222     scanf("%d",&id);
223     if(id<9&&id>0){
224     totalCost=totalCost-(cost[id]*a[id]);
225     a[id]=0;
226     }
227     else{
228      printf("Enter Valid id\n");
229     }
230        printf("Revised Items \n");
231        printf("Id\tItems\t\t\tQuantity\t\tCost\n");
232            for(i=0;i<9;i++)
233         {
234       if(a[i]!=0)
```

```c
234        if(a[i]!=0)
235          {
236        printf("%d\t%s\t\t%d\t\t%d\n",i,items[i],a[i],(cost[i]*a[i]));
237          }
238        }
239          printf("Total Cost\t\t\t\t\t%d\n",totalCost);
240          printf("If you wish to buy anything more Enter\n1 to Add Item\n2 to
                    Delete Items \nAny other number to Exit\n");
241        scanf("%d",&c);
242      }
243
244    }while(c==1 || c==2);
245    printf("Your Final Cost is %d\n",totalCost);
246    printf("Thank You %s For Choosing Us!!!!!!!!Visit Us Again!!!!.\n",str);
247
248  }
```

OUTPUT:

```
Please Enter Your Name
James Gunn
Hello James Gunn!!!
 Welcome to SRM Online Shopping :).
Please Enter
1 - Computer Accessories
2 - Shoes
3 - Mobiles
Any other number to exit
1
Enter the nUmber to choose your accessory
1 - Cruzer 16 GB - Rs.499
2 - Xtrfy RGB Mouse- Rs.1699
3 - Pendrive 16 GB - Rs.549
Any other number to exit
2
You chose Xtrfy RGB Mouse with Rs.1699.
Are you sure to buy?.If 'Yes', Enter 1,else enter any number
1
Your Cost in Cart is 1699
James Gunn's cart
Id  Items           Quantity          Cost
1   Xtrfy RGB Mouse     1         1699
Total Cost                  1699
If you wish to buy anything more Enter
1 to Add Item
2 to Delete Items
Any other number to Exit
1
```

```
Please Enter
1 - Computer Accessories
2 - Shoes
3 - Mobiles
Any other number to exit
2
Enter
1 - Adidas - Rs.6550
2 - Nike - Rs.4999
3 - Puma - Rs.7999
Any other number to exit
2
You chose Nike Shoes for Rs.4999.
Are you sure to buy?.If 'Yes', Enter 1,else enter any number
1
Your Cost in Cart is 6698
James Gunn's cart
Id   Items            Quantity            Cost
1    Xtrfy RGB Mouse     1                1699
4    Nike          1          4999
Total Cost                     6698
If you wish to buy anything more Enter
1 to Add Item
2 to Delete Items
Any other number to Exit


1
```

```
Please Enter
1 - Computer Accessories
2 - Shoes
3 - Mobiles
Any other number to exit
3
Enter
1 - OnePlus 9T - Rs.39000
2 - Vivo V10 - Rs.14999
3 - Samsung Galaxy S21+ Ultra - Rs.110000
Any other number to exit
1
You chose to buy OnePlus 9T for Rs.39000.
Are you sure to buy? If 'Yes', Enter 1,else enter any number1
Your Cost in Cart is 45698
James Gunn's cart
Id  Items           Quantity            Cost
1   Xtrfy RGB Mouse     1               1699
4   Nike            1               4999
6   OnePlus 9T      1                39000
Total Cost                      45698
If you wish to buy anything more Enter
1 to Add Item
2 to Delete Items
Any other number to Exit
5
Your Final Cost is 45698
Thank You James Gunn For Choosing Us!!!!!!!!Visit Us Again!!!!
```

RESULT:

To show the working of Online Shopping System using C
Language is executed successfully