



**PSP [20ES104] COURSE PROJECT REPORT**

**On**

**“ONLINE JEWELLERY”**

Developed By:

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**Department of Computer Science and Artificial Intelligence**

**CERTIFICATE**

This is to certify that the PSP course project report entitled **“ ONLINE JEWELLERY BILLING”** is a record of bonafide work carried out by the student **Ch.Sripuja**  bearing roll number **2203A51108** of Computer Science and Artificial Intelligence department during the academic year 2022-23.

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**PROBLEM STATEMENT :**

To develop a C program to do a online jewellery shopping and get the bill.

Provide the functionality for below mentioned:

1. To choose the shopping mall to procced shopping.

2. The customer can choose the things he/she wish to shop from the switch case.

3. The code will allow the customer to continue the process as many times he/she wish.

4. The customer will get the bill of the things he/she wish to purchase.

5. The code will allow the customer to pay the bill in different modes (i.e credit card,debit card,cash).

6. Finally the customer get according to details like name of the customer,and the purchased items on the bill.

**MODULES :**

The code you provided is c program that stimulates a simple online jewellery billing system.It allows users to display available items,add items to a cart,delete items from the cart ,change the quantity of items in the cart,and generate a bill.

We have three modules in the following source code:

1.The first switch case allow the customer to as:

=> case 1:

Press 1.to order chain.

Press 2.to order ring.

Press 3.to order ear rings in .

=>Case 2:

Press 1.to order necklace.

Press 2.to order choker.

Press 3.to order carcante.

=>Case 3:

Press 1.to order armlet.

Press 2.to order bangle.

Press 3.to order bracelet.

2.The second switch is basically a sub menu selection

To do the process of bill of the chosen items.

3.The third switch is use to do the overall bill of the shopping.

**KNOWLEDGE REQUIRED TO DEVELOP THIS APPLICATION:**

21.Data types.

2.Operators.

3.conditional statements(if-else ladder,switch).

4.Looping statement (for,do while).

5.Arrays(1-D array).

6.Strings(table of strings).

7.Structures to pointers.

**SOURCE CODE [.C FILE]:**

**#include<stdio.h>**

**struct jwellerybilling{**

**int sel;**

**int po;**

**int noi;**

**float totalcost[100];**

**float discount;**

**float gst;**

**float totalbill;**

**char proceed;**

**char cc\_details1 [30][60];**

**char cvv[2];**

**char dc\_details1[30][60];**

**}a[20];**

**main()**

**{**

**int ch=-1,i=0,count=0,j=0,x;**

**char cc\_details[30][60]={"sripuja","4321 7654 1987","03/2022","1717","334"};**

**char dc\_details[30][60]={"sripuja","4040 97674 1087","06/2021","2019","226"};**

**struct jwellerybilling \*b;**

**b=&a[20];**

**do**

**{**

**printf("online order billing system:\n\n main menu:\n\n");**

**printf("press 1.to order from kalyan jewellery \n\n");**

**printf("press 2.to order from malabar jewellery \n\n");**

**printf ("press 3.to order from joyalukas jewellery \n\n");**

**printf("make your main menu selection \n\n");**

**scanf("%d",&b->sel);**

**switch(b->sel)**

**{**

**case 1:**

**printf("\n press 1.to order chain[each single cost is Rs.30000]\n");**

**printf("\n press 2.to order ring[each piece cost is Rs.10000]\n");**

**printf("\n press 3.to order ear rings[each piece cost is Rs.16000]\n");**

**printf("make your sub-menu selection\n\n");**

**scanf("%d",&ch);**

**printf("\n enter no.of pieces you want\n\n:");**

**scanf("%d",&b->noi);**

**switch(ch)**

**{**

**case 1:b->totalcost[i++]=b->noi\*30000;**

**count++;**

**break;**

**case 2:b->totalcost[i++]=b->noi\*10000;**

**count++;**

**break;**

**case 3:b->totalcost[i++]=b->noi\*16000;**

**count++;**

**break;**

**default:printf("\n sorry.....selected order is not available order in jewellery.....please**

**select among the available order in jewellery");**

**}**

**break;**

**case 2:**

**printf("\n\n press 1.to order necklace[each piece cost is Rs.60000]");**

**printf("\n\n press 2.to order choker[each piece cost is Rs.35000]");**

**printf("\n\n press 3.to order carcanet[each piece cost is Rs.15000]");**

**printf("\n\n make your sub-menu selection");**

**scanf("%d",&ch);**

**printf("\n\n enter no.of pieces you want\n");**

**scanf("%d",&b->noi);**

**switch(ch)**

**{**

**case 1:b->totalcost[i++]=b->noi\*60000;**

**count++;**

**break;**

**case 2:b->totalcost[i++]=b->noi\*35000;**

**count++;**

**break;**

**case 3:b->totalcost[i++]=b->noi\*15000;**

**count++;**

**break;**

**default:printf("\n\n sorry.....wrong selection..... please select among listed options");**

**}**

**break;**

**case 3:**

**printf("\n\n press 1.to order armlet[each piece cost is Rs.20000]");**

**printf("\n\n press 2.to order bangle[each piece cost is Rs.25000]");**

**printf("\n\n press 3.to order bracelet[each piece cost is Rs.10000]");**

**printf("\n\n make your sub-menu selection");**

**scanf("%d",&ch);**

**printf("\n\n enter no.of pieces you want \n");**

**scanf("%d",&b->noi);**

**switch(ch)**

**{**

**case 1:b->totalcost[i++]=b->noi\*20000;**

**count++;**

**break;**

**case 2:b->totalcost[i++]=b->noi\*25000;**

**count++;**

**break;**

**case 3:b->totalcost[i++]=b->noi\*10000;**

**count++;**

**break;**

**default:printf("\n sorry.....wrong selection..... please select among listed options");**

**}**

**break;**

**}**

**printf("\n\n do you wants to order another or one more jewellery,if yes press y/Y:");**

**scanf("%s",&b->proceed);**

**}while(b->proceed=='y'||b->proceed=='Y');**

**for(i=0;i<count;i++)**

**{**

**printf("\n\n bill amount for order %d : %f ",i+1,b->totalcost[i]);**

**b->totalbill+=b->totalcost[i];**

**}**

**printf("\n\n bill amount for all ordered jewellery=%f",b->totalbill);**

**printf("\n\n gst[15 percent]=%f",b->gst=b->totalbill\*0.15);**

**printf("\n\n totalbill[including gst]=%f",b->totalbill=b->totalbill+b->gst);**

**printf("\n\n select payment method...\n");**

**printf("\n press 1.to pay using credit card-offers 8 percent discount=(-)Rs%2f",b->totalbill\*0.08);**

**printf("\n press 2.to pay using debit card-offers 6 percent discount+(-)Rs%2f", b->totalbill\*0.06);**

**printf("\n\n press 3.to pay using cash[COD]-offers 4 percent discount=(-)Rs%2f\n",b->totalbill\*0.04);**

**scanf("%d",&b->po);**

**switch(b->po)**

**{**

**case 1:b->discount=b->totalbill\*0.08;**

**printf("\n\n check your credit card details:");**

**printf("\n\n card holder name:");**

**printf("%s",cc\_details[j]);**

**j++;**

**printf("\n\n credit card number:");**

**printf("%s",cc\_details[j]);**

**j=j+3;**

**printf("\n\n enter credit card cvv[3 digits 123]:");**

**scanf("%s",b->cvv);**

**x=strcmp(cc\_details[j],b->cvv);**

**if(x==0)**

**printf("\n\n bill paid=%f",b->totalbill=b->totalbill-b->discount);**

**else**

**printf("\n\n entered details are wrong,please try again");**

**break;**

**case 2:b->discount=b->totalbill\*0.06;**

**printf("\n\n check your debit card details:");**

**printf("\n\n card holder name:");**

**printf("%s",&dc\_details[j]);**

**j++;**

**printf("\n\n credit card number:");**

**printf("%s",&dc\_details[j]);**

**j=j+3;**

**printf("\n\n enter credit card cvv[3 digits 123]:");**

**scanf("%s",b->cvv);**

**x=strcmp(dc\_details[j],b->cvv);**

**if(x==0)**

**printf("\n\n bill paid=%f",b->totalbill=b->totalbill-b->discount);**

**else**

**printf("\n\n entered details are wrong,please try again");**

**break;**

**case 3:b->discount=b->totalbill\*0.04;**

**printf("\n\n bill to be paid[COD]=%f",b->totalbill=b->totalbill-b->discount);**

**break;**

**default:printf("\n\n sorry.....wrong option selected.....please select among the available.....");**

**}**

**printf("\n\n thank you for using our online order ,have a nice day...,visit again....");**

**RESULTS:**

Online jewellery order billing system:

main menu:

press 1.to order from kalyan jewellery

press 2.to order from malabar jewellery

press 3.to order from joyalukas jewellery

make your main menu selection :

1

press 1.to order chain[each single cost is Rs.30000]

press 2.to order ring[each piece cost is Rs.10000]

press 3.to order ear rings[each piece cost is Rs.16000]

make your sub-menu selection :

1

enter no.of pieces you want

2

do you wants to order another or one more jewellery,if yes press

y/Y : y

online jewellery order billing system:

main menu:

press 1.to order from kalyan jewellery

press 2.to order from malabar jewellery

press 3.to order from joyalukas jewellery

make your main menu selection :

2

press 1.to order necklace[each piece cost is Rs.60000]

press 2.to order choker[each piece cost is Rs.35000]

press 3.to order carcanet[each piece cost is Rs.15000]

make your sub-menu selection1

enter no.of pieces you want :

1

do you wants to order another or one more jewellery,if yes press y/Y : y

online jewellery order billing system:

main menu:

press 1.to order from kalyan jewellery

press 2.to order from malabar jewellery

press 3.to order from joyalukas jewellery

make your main menu selection :

3

press 1.to order armlet[each piece cost is Rs.20000]

press 2.to order bangle[each piece cost is Rs.25000]

press 3.to order bracelet[each piece cost is Rs.10000]

make your sub-menu selection3

enter no.of pieces you want :

2

do you wants to order another or one more jewellery,if yes press y/Y : n

bill amount for order 1 : 60000.000000

bill amount for order 2 : 60000.000000

bill amount for order 3 : 20000.000000

bill amount for all ordered jewellery=140000.000000

gst[15 percent]=21000.000000

totalbill[including gst]=161000.000000

select payment method...

press 1.to pay using credit card-offers 8 percent discount=(-)Rs12880.000000

press 2.to pay using debit card-offers 6 percent discount+(-)Rs9660.000000

press 3.to pay using cash[COD]-offers 4 percent discount=(-)Rs6440.000000

1

check your credit card details:

card holder name:A Bindu

credit card number:4321 7654 1987

enter credit card cvv[3 digits 123]:243

bill paid=148120.000000

thank you for using our online order ,have a nice day...,visit again....