

Medi-Caps University

OOP Mini Project

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>FreshMart

Shopping made easy.

Welcome,

Fresh Mart is a grocery store where customers come and buy daily use products. What's special about our store is that **we have a smart and fast billing system on which our customers can place order and their bill will be generated automatically by our system with some surprises. Our billing system is easy to use and quick, it is not only convenient for customers but it is very convenient for staff as well because as a small grocery store it is very difficult for us to appoint separate staff for billing so our billing system solves that problem very well and it saves a lot of time. It is very simple to build and yet it does pretty impressive job.**

Based on C++

**Let's have a look at our
system.**

We'll keep it simple and quick :)

**So there are 2 basic operations
of our system:**

- Generate Bill
- Staff login

Generate Bill

Customer will be able to place their order and our system will generate the bill asap.

They just have to enter the product code and quantity leave rest on us! You can also redeem Coupon and get additional discount although if you don't have any coupon don't worry our system will generate a new coupon code for you which you can redeem next time when you shop with us!

Staff Login

Only for Staff, kind of obvious from its name.

You require a password to get access here! Here the staff maintains the Database of our store. They can Create, View, Modify and Delete any product from our records.

**What exactly our system
looks like?**

Generate Bill

Intro.

>FreshMart

```
PS C:\Users\Rushat\OneDrive\Desktop\Easier\Fresh Mart> ./Fresh
```

Fresh Mart <Billing System>

Created By:

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Please enter your Name: Abcdef

Menu.

>FreshMart

Hey Abcdef ,Welcome to Fresh Mart.

>Press 1. Generate Bill

>Press 2. Staff Login

>Press 3. Exit

Please Select Your Option (1-3) 1

Generate Bill (Placing Order P1)

>FreshMart

[illegible]

```
Enter The Product Code: 10
Database - Product Name: Bread
Database - Product Price/Unit: Rs.150
```

Enter Quantity in Number : 20

```
>> Do You Want To Add more Products ? (Y/N): Y
```

```
Enter The Product Code: 15
Database - Product Name: Rice
Database - Product Price/Unit: Rs.70
```

Enter Quantity in Number : 50

```
>> Do You Want To Add more Products ? (Y/N): Y
```

```
Enter The Product Code: 18
Database - Product Name: Salt
Database - Product Price/Unit: Rs.25
```

Enter Quantity in Number : 10

Generate Bill (Placing Order P2)



>> Do You Want To Add more Products ? (Y/N): Y

Enter The Product Code: 22

Database - Product Name: Sprite

Database - Product Price/Unit: Rs.90

Enter Quantity in Number : 5

>> Do You Want To Add more Products ? (Y/N): N

<< Thank You For Placing The Order, Abcdef >>

Generate Bill (Bill View)



Press any key to see your INVOICE (Bill)

\$ BILL \$

Code	Name	Quantity	Price	Amount	Our Price
10	Bread	20	150	3000	2850
15	Rice	50	70	3500	3325
18	Salt	10	25	250	237.5
22	Sprite	5	90	450	427.5

Total Amount = 6840

Generate Bill (Redeem Coupon)



Do you have any Coupon Code? (Y/N): Y

Enter your Coupon Code: T

Coupon Code 'T' %10 Discount applied successfully.

Now you just have to Pay: Rs 6156

Generate Bill (Generate Coupon & Exit)

>FreshMart

Thankyou, wait for 5 seconds we have a Surprise for you :)
Press any key to view your Surprise.

>>>>Congratulations! you have won a new Coupon: ' T '
Don't forget to redeem this Coupon and get extra %10 off on your next order.

Thankyou for shopping with us, Abcdef
Visit Again to FRESH Mart.

Staff Login

Staff Login (Password)

>FreshMart

Enter Password: 3456

Staff Login

Login Successful, Access Granted to Abcdef

Staff Login (Options)

Staff Login

Login Successful, Access Granted to Abcdef

Press 1.Create Product

Press 2.Display Product List

Press 3.Display Specific Product

Press 4.Modify Product

Press 5.Delete Product

Press 6.Exit

Please Enter Your Choice (1-6)

Staff Login (Create Product)



Please Enter Your Choice (1-6) 1

Enter The Product Code: 25

Enter The Product Name: Mask

Enter The Product Price: 200

Enter The Product Discount: 5

Created Product successfully, Database updated.

Do You Want To Create Another Product ? (Y/N): █

Staff Login (Product List)

>FreshMart

Fetching List from Database.
Displaying the Product List

>Bot Product Code: 1
Product Name: Tomato
Product Price: Rs.30
Product Discount: 5%

>Bot Product Code: 2
Product Name: Onion
Product Price: Rs.30
Product Discount: 5%

>Bot Product Code: 3
Product Name: Potato
Product Price: Rs.30
Product Discount: 5%

>Bot Product Code: 4
Product Name: Apple
Product Price: Rs.150
Product Discount: 5%

>Bot Product Code: 5
Product Name: Mango

>Bot Product Code: 5
Product Name: Mango
Product Price: Rs.180
Product Discount: 5%

>Bot Product Code: 6
Product Name: Milk
Product Price: Rs.30
Product Discount: 5%

>Bot Product Code: 7
Product Name: Butter
Product Price: Rs.50
Product Discount: 5%

>Bot Product Code: 8
Product Name: Ghee
Product Price: Rs.500
Product Discount: 5%

>Bot Product Code: 9
Product Name: Cheese
Product Price: Rs.120
Product Discount: 5%

>Bot Product Code: 10
Product Name: Bread
Product Price: Rs.150

>Bot Product Code: 11
Product Name: Kitkat
Product Price: Rs.50
Product Discount: 5%

>Bot Product Code: 12
Product Name: Silk
Product Price: Rs.170
Product Discount: 5%

>Bot Product Code: 13
Product Name: Lays
Product Price: Rs.20
Product Discount: 5%

>Bot Product Code: 14
Product Name: Crax
Product Price: Rs.20
Product Discount: 5%

>Bot Product Code: 15
Product Name: Rice
Product Price: Rs.70
Product Discount: 5%

>Bot Product Code: 16
Product Name: Dal

Product Name: Spices
Product Price: Rs.400
Product Discount: 5%

>Bot Product Code: 21
Product Name: Dettol
Product Price: Rs.50
Product Discount: 5%

>Bot Product Code: 22
Product Name: Sprite
Product Price: Rs.90
Product Discount: 5%

>Bot Product Code: 23
Product Name: Fanta
Product Price: Rs.90
Product Discount: 5%

>Bot Product Code: 24
Product Name: Coke
Product Price: Rs.90
Product Discount: 5%

>Bot Product Code: 25
Product Name: Mask
Product Price: Rs.200
Product Discount: 5%

Staff Login (Specific Product)



```
Staff Login
Login Successful, Access Granted to Abcdef
```

```
Press 1.Create Product
```

```
Press 2.Display Product List
```

```
Press 3.Display Specific Product
```

```
Press 4.Modify Product
```

```
Press 5.Delete Product
```

```
Press 6.Exit
```

```
Please Enter Your Choice (1-6) 3
```

```
Please Enter The Product Code: 21
```

```
>Bot Product Code: 21
```

```
Product Name: Dettol
```

```
Product Price: Rs.50
```

```
Product Discount: 5%
```

```
Do you want to GO BACK to Staff Menu? (Y/N):
```

Staff Login (Modify Product)



Please Enter Your Choice (1-6) 4

Enter The Product Code: 25

>Bot Product Code: 25

Product Name: Mask

Product Price: Rs.200

Product Discount: 5%

Enter The New Details of Product:

Enter The Product Code: 25

Enter The Product Name: Mask

Enter The Product Price: 350

Enter The Product Discount: 10

Product modified, Database updated.

Do you want to GO BACK to Staff Menu? (Y/N):

Staff Login (Delete Product)



Please Enter Your Choice (1-6) 5

Enter The Product Code: 25

Product Deleted, Database updated.

Do you want to GO BACK to Staff Menu? (Y/N): N

Redirecting.

Exited, Thankyou.

PS C:\Users\Rushat\OneDrive\Desktop\Easier\Fresh Mart>

**Now let's dive straight into
the source code and live
demo.**

Thankyou!