

## Case Study

```
-----Main Menu-----
Press-1 Add a new product
Press-2 Register Customer
Press-3 Delete Product
Press-4 Add To Cart
Press-5 Remove From Cart
Press-6 View Cart
Press-7 Place Order
Press-8 Get Orders By Customer
Press-9 Exit
Enter your choice: 1
Enter product name: Cricket bat
Enter description: Wooden bat
Enter price: 2000
Enter stock quantity: 4

Product 'Cricket bat' added to the database with ID: 13

Product added successfully!

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Enter your choice: 2

Enter customer name: Ram

Enter password: 123456

Enter email: ram@yahoo.com

Customer 'Ram' added to the database with ID: 4

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Press-9 Exit
Enter your choice: 3
All Products:
Product id:2,Product Name: Shirt,Price: 1000.00,Description: H&M , M-size,Stock Quantity: 0
Product id:3,Product Name: Smartphone,Price: 20000.00,Description: Samsung A-50,Stock Quantity: 1
Product id:4,Product Name: Blanket,Price: 1000.00,Description: Keeps Warm,Stock Quantity: 0
Product id:6,Product Name: Toy Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product id:7,Product Name: Toy Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product id:8,Product Name: Toy Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product id:9,Product Name: Toy Car,Price: 20.00,Description: Red color,Stock Quantity: 8
Product id:10,Product Name: Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product id:11,Product Name: Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product id:12,Product Name: Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product id:13,Product Name: Cricket bat,Price: 2000.00,Description: Wooden bat,Stock Quantity: 4
Enter product id: 13
Product with ID: 13 deleted successfully!

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Press-9 Exit
Enter your choice: 4
Enter customer id: 4
Enter customer name: ram
Enter password: 123456
Customer login successfully
All Products:
Product ID: 2,Product Name: Shirt,Price: 1000.00,Description: H&M , M-size,Stock Quantity: 0
Product ID: 3,Product Name: Smartphone,Price: 20000.00,Description: Samsung A-50,Stock Quantity: 1
Product ID: 4,Product Name: Blanket,Price: 1000.00,Description: Keeps Warm,Stock Quantity: 0
Product ID: 6,Product Name: Toy Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product ID: 7,Product Name: Toy Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product ID: 8,Product Name: Toy Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product ID: 9,Product Name: Toy Car,Price: 20.00,Description: Red color,Stock Quantity: 8
Product ID: 10,Product Name: Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product ID: 11,Product Name: Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Product ID: 12,Product Name: Car,Price: 20.00,Description: Red color,Stock Quantity: 10
Enter product id: 3
Enter quantity: 1
Product '3' added to the cart of customer '4' successfully!

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Press-8 Get Orders By Customer
Press-9 Exit
Enter your choice: 5
Enter customer id: 4
Enter customer name: ram
Enter password: 123456
Customer login successfully
Products in Cart:
Product id: 3 , Porduct Name: Smartphone, price: $20000.00, description:Samsung A-50, quantity: 1
Enter product id to remove from cart: 3
Product '3' removed from the cart of customer '4' successfully!
Product removed from cart successfully!
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Press-9 Exit
Enter your choice: 6
Enter customer id: 1
Enter customer name: asmita
Enter password: 12345
Customer login successfully
Products in Cart:
Product id: 6 , Porduct Name: Toy Car, price: $20.00, description:Red color, quantity: 1
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Press-8 Get Orders By Customer
Press-9 Exit
Enter your choice: 7
Enter customer id: 1
Enter customer name: asmita
Enter password: 12345
Customer login successfully
Enter shipping address: Chennai
Total Price: 20.00
Order placed successfully!

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Press-7 Place Order
Press-8 Get Orders By Customer
Press-9 Exit
Enter your choice: 8
Enter customer id: 1
Enter customer name: asmita
Enter password: 12345
Customer login successfully
Orders By Customer:
Order ID:20,Product ID: 6, Quantity: 1
```

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Press-8 Get Orders By Customer  
Press-9 Exit  
Enter your choice: 9  
Thank you
```

## Testing

```
dy\Testing\testing.py"  
Product '6' added to the cart of customer '1' successfully!  
.  
Product 'chair' added to the database with ID: 15  
  
..Total Price: 20.00  
.  
-----  
Ran 4 tests in 0.080s  
  
OK
```