

TECHSHOP (ASSIGNMENT)

-Yash Pandey

Main Menu

```
TechShop Management System
1. Customer Management
2. Product Management
3. Order Management
4. Inventory Management
5. Sales Reporting
6. Payment Processing
7. Exit
Enter your choice: █
```

1.Customer Management

```
Customer Management
1. Add Customer
2. View Customer
3. Update Customer
4. Delete Customer
5. List All Customers
Enter your choice: █
```

1 a) ADD

```
Customer Management
1. Add Customer
2. View Customer
3. Update Customer
4. Delete Customer
5. List All Customers
Enter your choice: 1
Enter first name: yash
Enter last name: pandeyyy
Enter email: yash.pandey123@gmail.com
Enter phone: 1234123456
Enter address: 123 asb
Customer added successfully.
```

b) View

```
Customer Management
1. Add Customer
2. View Customer
3. Update Customer
4. Delete Customer
5. List All Customers
Enter your choice: 2
Enter customer ID: 10
Customer Details: {'CustomerID': 10, 'FirstName': 'Sneha', 'LastName': 'Rao', 'Email': 'sneha.rao@gmail.com', 'Phone': '9878765432', 'Address': 'Goa, India'}
```

c) Delete

```
Customer Management
1. Add Customer
2. View Customer
3. Update Customer
4. Delete Customer
5. List All Customers
Enter your choice: 4
Enter customer ID to delete: 10
Customer deleted successfully.
```

d)Update

```
Customer Management
1. Add Customer
2. View Customer
3. Update Customer
4. Delete Customer
5. List All Customers
Enter your choice: 3
Enter customer ID to update: 11
Enter new first name: ash
Enter new last name: singh
Enter new email: yyy@gmail.com
Enter new phone: 1234567890
Enter new address: 123 sdkns
Customer updated successfully.
```

e) View all

```
{'CustomerID': 1, 'FirstName': 'Rahul', 'LastName': 'Sharma', 'Email': 'rahul.sharma@gmail.com', 'Phone': '9876543210', 'Address': 'Delhi, India'}
{'CustomerID': 2, 'FirstName': 'yash', 'LastName': 'pandeyyy', 'Email': 'yyashp@gmail.com', 'Phone': '232323232323', 'Address': '12 ddasd'}
{'CustomerID': 3, 'FirstName': 'Rakesh', 'LastName': 'Mehta', 'Email': 'rakesh.mehta@gmail.com', 'Phone': '9876501234', 'Address': 'Bangalore, India'}
{'CustomerID': 4, 'FirstName': 'Priya', 'LastName': 'Singh', 'Email': 'priya.singh@hotmail.com', 'Phone': '9823456789', 'Address': 'Chennai, India'}
{'CustomerID': 5, 'FirstName': 'Rajesh', 'LastName': 'Gupta', 'Email': 'rajesh.gupta@outlook.com', 'Phone': '9801234567', 'Address': 'Kolkata, India'}
{'CustomerID': 6, 'FirstName': 'Suresh', 'LastName': 'Patel', 'Email': 'suresh.patel@gmail.com', 'Phone': '9834567890', 'Address': 'Ahmedabad, India'}
{'CustomerID': 7, 'FirstName': 'Vikas', 'LastName': 'Chopra', 'Email': 'vikas.chopra@yahoo.com', 'Phone': '9845671234', 'Address': 'Hyderabad, India'}
{'CustomerID': 8, 'FirstName': 'Neha', 'LastName': 'Jain', 'Email': 'neha.jain@gmail.com', 'Phone': '9887654321', 'Address': 'Pune, India'}
{'CustomerID': 9, 'FirstName': 'Amit', 'LastName': 'Kumar', 'Email': 'amit.kumar@hotmail.com', 'Phone': '9798989898', 'Address': 'Jaipur, India'}
{'CustomerID': 11, 'FirstName': 'ash', 'LastName': 'singh', 'Email': 'yyy@gmail.com', 'Phone': '1234567890', 'Address': '123 sdkns'}
{'CustomerID': 12, 'FirstName': 'yash', 'LastName': 'pandey', 'Email': 'yashpandey@gmail.com', 'Phone': '9897876543', 'Address': '123 bareilly'}
{'CustomerID': 13, 'FirstName': 'yash', 'LastName': 'pandeyyy', 'Email': 'yash.pandey123@gmai.com', 'Phone': '1234123456', 'Address': '123 asb'}
```

2- Product Management

```
Product Management
1. Add Product
2. View Product
3. Update Product
4. Delete Product
5. List All Products
Enter your choice: █
```

a) Add

```
Product Management
1. Add Product
2. View Product
3. Update Product
4. Delete Product
5. List All Products
Enter your choice: 1
Enter product name: moto g32
Enter product description: phone
Enter product price: 12000
Product added successfully.
```

b)

```
Product Management
1. Add Product
2. View Product
3. Update Product
4. Delete Product
5. List All Products
Enter your choice: 2
Enter product ID: 1
Product Details: {'ProductID': 1, 'ProductName': 'Laptop', 'Description': 'Dell Inspiron 15 5000', 'Price': 60500}
```

c)

```
Product Management
1. Add Product
2. View Product
3. Update Product
4. Delete Product
5. List All Products
Enter your choice: 3
Enter product ID to update: 1
Enter new product name: i phone 14
Enter new product description: phnoe
Enter new product price: 50000
Product updated successfully.
```

d)

```
Product Management
1. Add Product
2. View Product
3. Update Product
4. Delete Product
5. List All Products
Enter your choice: 4
Enter product ID to delete: 1
Product deleted successfully.
```

e)

```
Product Management
1. Add Product
2. View Product
3. Update Product
4. Delete Product
5. List All Products
Enter your choice: 5
{'ProductID': 2, 'ProductName': 'Smartphone', 'Description': 'Samsung Galaxy M31', 'Price': 18700}
{'ProductID': 3, 'ProductName': 'Headphones', 'Description': 'Sony WH-1000XM4', 'Price': 27500}
{'ProductID': 4, 'ProductName': 'Washing Machine', 'Description': 'LG 7 kg Fully-Automatic', 'Price': 33000}
{'ProductID': 5, 'ProductName': 'Refrigerator', 'Description': 'Samsung 253L Frost Free', 'Price': 29700}
{'ProductID': 6, 'ProductName': 'Air Conditioner', 'Description': 'Daikin 1.5 Ton Inverter', 'Price': 49500}
{'ProductID': 7, 'ProductName': 'Microwave Oven', 'Description': 'IFB 23L Convection', 'Price': 13200}
{'ProductID': 8, 'ProductName': 'Television', 'Description': 'Sony 55 inch 4K LED', 'Price': 88000}
{'ProductID': 9, 'ProductName': 'Tablet', 'Description': 'Apple iPad 10.2 inch', 'Price': 33000}
{'ProductID': 10, 'ProductName': 'Smartwatch', 'Description': 'Apple Watch Series 6', 'Price': 44000}
{'ProductID': 11, 'ProductName': 'Mobile Phone', 'Description': 'iPhone 15', 'Price': 75000}
{'ProductID': 12, 'ProductName': 'moto g32', 'Description': 'phone', 'Price': 12000}
```

3) Order Management

a)

```
Order Management
1. Add Order
2. Update Order Status
3. Remove Order
4. List All Orders
Enter your choice: 1
Enter customer ID: 2
Enter product ID to order (or -1 to finish): 2
Enter quantity: 20
Enter product ID to order (or -1 to finish): -1
Order placed successfully.
```

b)

```
Order Management
1. Add Order
2. Update Order Status
3. Remove Order
4. List All Orders
Enter your choice: 2
Enter order ID: 1
Enter new status (e.g., Processing, Shipped): Shipped
Order status updated successfully.
```

TaskSheet Management System

C)

```
Order Management
1. Add Order
2. Update Order Status
3. Remove Order
4. List All Orders
Enter your choice: 3
Enter order ID to remove: 4
Order deleted successfully.
```

D)

```
1. Add Order
2. Update Order Status
3. Remove Order
4. List All Orders
Enter your choice: 4
Order ID: 2, Customer: yashpandeuyyy, Order Date: 2024-09-05
Order ID: 3, Customer: RakeshMehta, Order Date: 2024-09-08
Order ID: 5, Customer: RajeshGupta, Order Date: 2024-09-12
Order ID: 6, Customer: SureshPatel, Order Date: 2024-09-15
Order ID: 7, Customer: VikasChopra, Order Date: 2024-09-18
Order ID: 8, Customer: NehaJain, Order Date: 2024-09-20
Order ID: 9, Customer: AmitKumar, Order Date: 2024-09-22
Order ID: 12, Customer: RahulSharma, Order Date: 2024-10-15
Order ID: 13, Customer: RahulSharma, Order Date: 2024-10-15
Order ID: 15, Customer: RahulSharma, Order Date: None
Order ID: 16, Customer: yashpandeuyyy, Order Date: None
```

4) Inventory Management

a)

```
Inventory Management
1. Add Inventory Item
2. Update Inventory Item
3. Remove Inventory Item
4. List All Inventory Items
Enter your choice: 1
Enter product ID: 2
Enter quantity to add: 10
Inventory item added successfully.
```

b)

```
Inventory Management
1. Add Inventory Item
2. Update Inventory Item
3. Remove Inventory Item
4. List All Inventory Items
Enter your choice: 2
Enter inventory ID to update: 2
Enter new quantity: 20
Current Quantity: 200
Inventory item updated successfully.
```

c)

```
Enter your choice: 3

Inventory Management
1. Add Inventory Item
2. Update Inventory Item
3. Remove Inventory Item
4. List All Inventory Items
Enter your choice: 3
Enter inventory ID to remove: 2
Inventory item deleted successfully.
```

d)

```
Inventory Management
1. Add Inventory Item
2. Update Inventory Item
3. Remove Inventory Item
4. List All Inventory Items
Enter your choice: 4
(3, 3, 150, '2024-08-30')
(4, 4, 80, '2024-08-30')
(5, 5, 120, '2024-08-30')
(6, 6, 60, '2024-08-30')
(7, 7, 90, '2024-08-30')
(8, 8, 30, '2024-08-30')
(9, 9, 100, '2024-08-30')
(10, 10, 75, '2024-08-30')
(11, 2, 10, None)
```


5) Sales Reporting

TechShop Management System

1. Customer Management
2. Product Management
3. Order Management
4. Inventory Management
5. Sales Reporting
6. Payment Processing
7. Exit

Enter your choice: 5

Sales Reporting

Order ID: 2, Customer ID: 2, Total Amount: 37400
Order ID: 3, Customer ID: 3, Total Amount: 55000
Order ID: 5, Customer ID: 5, Total Amount: 99000
Order ID: 6, Customer ID: 6, Total Amount: 13200
Order ID: 7, Customer ID: 7, Total Amount: 66000
Order ID: 8, Customer ID: 8, Total Amount: 29700
Order ID: 9, Customer ID: 9, Total Amount: 66000
Order ID: 12, Customer ID: 1, Total Amount: None
Order ID: 13, Customer ID: 1, Total Amount: None
Order ID: 15, Customer ID: 1, Total Amount: None
Order ID: 16, Customer ID: 2, Total Amount: None

6) Payment

TechShop Management System

1. Customer Management
2. Product Management
3. Order Management
4. Inventory Management
5. Sales Reporting
6. Payment Processing
7. Exit

Enter your choice: 6

Enter order ID for payment: 2

Enter payment method (e.g., Credit Card, PayPal): Paypal

Enter payment amount: 10000

Payment processed successfully.

Order status updated successfully.

TechShop Management System