

TechShop Assignment Output screenshot-J223

Rokhitha N

1. Customer-side functionality

```
Console X
main [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (09-Apr-2024)

1.create Account
2.Login
Choose Option:
1
Enter FirstName:
Rachel
Enter LastName:
G
Enter Email:
rachel@gmail.com
Enter Password:
1234
Enter Address:
Las Vegas
Account Created Successfully, now login
1.create Account
2.Login
Choose Option:
2
Enter your email: rachel@gmail.com
Enter your password (4 digits): 1234
Trying with email: rachel@gmail.com and password: 1234
```

Inserted in db

```
mysql> select*from customers;
```

customer_ID	customerFirstName	customerLastName	email	address	password
1	John	Doe	john.doe@gmail.com	123 Maple Street	NULL
2	Alice	Smith	alice.smith@yahoo.com	456 Oak Avenue	NULL
3	Bob	Johnson	bob.johnson@hotmail.com	789 Pine Road	NULL
4	Eva	Williams	eva.williams@gmail.com	321 Birch Lane	NULL
5	Mike	Brown	mike.brown@outlook.com	654 Cedar Street	NULL
6	Rokhitha	Nagarajan	rokhi@gmail.com	Pondicherry	1234
7	Joe	T	joe@gmail.com	1234	1234
8	Ross	Geller	ross@gmail.com	Las Vegas	1234
9	Monica	G	mon@gmail.com	Las Vegas	1234
10	Rachel	G	rachel@gmail.com	Las Vegas	1234

10 rows in set (0.00 sec)

```
Console x
main [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (09-Apr-2025, 1:56:02 am elapsed: 0:05:04) [pid: 17324]
-----Customer DashBoard-----

1.View Product Catlog
2.Place Order
3.View Order Status|
4.View My profile
5.Update My profile
6.Exit DashBoard

Enter your choice:
2
-----Place Order-----

Product{ productName='Alexa', description='AI Bluetooth Speaker', price=12000.0}
Product{ productName='headphone', description='new headphone', price=23000.0}
Product{ productName='Speaker', description='Dolby Audio', price=23000.0}
Product{ productName='Smartwatch', description='Heart Rate Monitor, GPS, Waterproof', price=7000.0}
Product{ productName='Tablet', description='10-inch display, 64GB storage', price=18000.0}

enter the product name to be purchased:
Alexa
Enter the quantity of product:
1
Order placed successfully with Order ID: 6
Enter Payment Method (UPI / Card / Cash): Cash
Payment recorded successfully.
```

Purchase data upgradation in all the associated tables

```
mysql> select*from orders;
```

orderID	customer_ID	orderDate	totalAmount	status
1	6	2025-04-08	55000	Order Delivered
2	7	2025-04-09	36000	Processing Order
3	8	2025-04-09	46000	Processing Order
4	8	2025-04-09	23000	Processing Order
5	9	2025-04-09	23000	Processing Order
6	10	2025-04-09	12000	Processing Order

```
6 rows in set (0.00 sec)
```

```
mysql> select*from orderdetails;
```

orderDetailID	orderID	productID	quantity
1	1	2	1
2	2	5	2
3	3	3	2
4	4	2	1
5	5	3	1
6	6	1	1

```
6 rows in set (0.02 sec)
```

```
mysql> select*From inventory;
```

inventoryID	productID	quantityInStock	lastStockUpdate
1	1	49	2025-04-09
2	2	28	2025-04-09
3	3	97	2025-04-09
4	4	60	2024-03-04
5	5	38	2025-04-09

```
5 rows in set (0.00 sec)
```

```
-----Customer DashBoard-----  
  
1.View Product Catlog  
2.Place Order  
3.View Order Status  
4.View My profile  
5.Update My profile  
6.Exit DashBoard  
  
Enter your choice:  
3  
-----Viewing Order Status-----  
Purchased Product Name: Alexa  
  
Order status: Processing Order  
  
Total Amount:12000
```

```
-----Customer DashBoard-----  
  
1.View Product Catlog  
2.Place Order  
3.View Order Status  
4.View My profile  
5.Update My profile  
6.Exit DashBoard  
  
Enter your choice:  
4  
-----Viewing My Profile-----  
  
Customer{ firstName='Rachel', lastName='G', email='rachel@gmail.com', address='Las Vegas'}
```

-----Customer DashBoard-----

- 1.View Product Catlog
- 2.Place Order
- 3.View Order Status
- 4.View My profile
- 5.Update My profile
- 6.Exit DashBoard

Enter your choice:

5

----- Update Your Profile -----

Enter new First Name: Rachel

Enter new Last Name: Green

Enter new Email: rachel@gmail.com

Enter new Address: Las vegas

Enter new 4-digit Password: 1234

Your profile has been updated successfully!

```
mysql> select*From customers;
```

customer_ID	customerFirstName	customerLastName	email	address	password
1	John	Doe	john.doe@gmail.com	123 Maple Street	NULL
2	Alice	Smith	alice.smith@yahoo.com	456 Oak Avenue	NULL
3	Bob	Johnson	bob.johnson@hotmail.com	789 Pine Road	NULL
4	Eva	Williams	eva.williams@gmail.com	321 Birch Lane	NULL
5	Mike	Brown	mike.brown@outlook.com	654 Cedar Street	NULL
6	Rokhitha	Nagarajan	rokhi@gmail.com	Pondicherry	1234
7	Joe	T	joe@gmail.com	1234	1234
8	Ross	Geller	ross@gmail.com	Las Vegas	1234
9	Monica	G	mon@gmail.com	Las Vegas	1234
10	Rachel	Green	rachel@gmail.com	Las vegas	1234

10 rows in set (0.00 sec)

updated cusomter data in db

2.TechShop side Dashboard

```
Your profile has been updated successfully.
-----TechShop Application-----
1.Customer
2.Employee
3.Exit TechShop

Enter your type:
2
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:
1

Calculated total pending orders:
Total number of orders with status 'processing': 5
```

```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:
2

Enter the Product ID you want to update: 1
Enter new Product Name: TV
Enter new Product Description: 42-inches
Enter new Product Price: 12000
| Product information updated successfully.
```

```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:
3

Enter the Product Name to check stock: Speaker
| Product: Speaker | Available Quantity: 97
```

```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:
4

Update Order Status
Enter the Order ID to update status: 4
| Order ID 4 status updated to 'Order Delivered'.
```

```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:
5

Cancel Order
Enter the Order ID to cancel: 5
| Order ID 5 has been cancelled successfully.
```

-----Employee Management DashBoard-----

- 1.Calculate total Orders
- 2.Update Product Information
- 3.Check Product in Stock Availability
- 4.Update OrderStatus
- 5.Cancel Orders
- 6.Calculate Sub Total
- 7.UpdateQuantity of product
- 8.Add to inventory
- 9.Remove from Inventory
- 10.updateStockQuantity
- 11.get Inventory value
- 12.List low stock Inventory
- 13.List out of stock inventory
- 14.List all products
- 15.Apply discount
- 16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:

6

Calculate SubTotal

Subtotal of all orders: ₹195000.0

-----Employee Management DashBoard-----

- 1.Calculate total Orders
- 2.Update Product Information
- 3.Check Product in Stock Availability
- 4.Update OrderStatus
- 5.Cancel Orders
- 6.Calculate Sub Total
- 7.UpdateQuantity of product
- 8.Add to inventory
- 9.Remove from Inventory
- 10.updateStockQuantity
- 11.get Inventory value
- 12.List low stock Inventory
- 13.List out of stock inventory
- 14.List all products
- 15.Apply discount
- 16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:

7

UpdateQuantity

Enter Product ID to update quantity: 5

Enter new stock quantity: 200

Inventory updated successfully for product ID: 5


```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:
8

Add to inventory
Enter Product ID to add quantity: 2
Enter new stock quantity: 345
Inventory updated successfully for product ID: 2
```

```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:
9

Remove from Inventory
Enter Product ID to update inventory: 2
Enter quantity to remove: 12
| Inventory updated for Product ID: 2. New stock: 333
```

```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:
10

Update Stock Quantity
Enter Product ID to update inventory: 1
Enter quantity to remove: 12
| Inventory updated for Product ID: 1. New stock: 37
```

```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.
```

Enter your choice:

11

|

Get Inventory value

Total Inventory Value: ₹1.4354E7

```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.
```

Enter your choice:

12

|

List low stock Inventory

Products below stock threshold (20 units):

All products are above the low stock threshold.

-----Employee Management DashBoard-----

- 1.Calculate total Orders
- 2.Update Product Information
- 3.Check Product in Stock Availability
- 4.Update OrderStatus
- 5.Cancel Orders
- 6.Calculate Sub Total
- 7.UpdateQuantity of product
- 8.Add to inventory
- 9.Remove from Inventory
- 10.updateStockQuantity
- 11.get Inventory value
- 12.List low stock Inventory
- 13.List out of stock inventory
- 14.List all products
- 15.Apply discount
- 16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:

13

Out of Stock Products:

No products are currently out of stock.

-----Employee Management DashBoard-----

- 1.Calculate total Orders
- 2.Update Product Information
- 3.Check Product in Stock Availability
- 4.Update OrderStatus
- 5.Cancel Orders
- 6.Calculate Sub Total
- 7.UpdateQuantity of product
- 8.Add to inventory
- 9.Remove from Inventory
- 10.updateStockQuantity
- 11.get Inventory value
- 12.List low stock Inventory
- 13.List out of stock inventory
- 14.List all products
- 15.Apply discount
- 16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:

14

All Products in Inventory:

TV | 42-inches | ₹12000.0 | 37 | 2025-04-09

headphone | new headphone | ₹23000.0 | 333 | 2025-04-09

Speaker | Dolby Audio | ₹23000.0 | 97 | 2025-04-09

Smartwatch | Heart Rate Monitor, GPS, Waterproof | ₹7000.0 | 60 | 2024-03-04

Tablet | 10-inch display, 64GB storage | ₹18000.0 | 200 | 2025-04-09

```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:
15

Enter Order ID to apply discount: 5
Enter discount percentage (e.g., 10 for 10%): 12
Discount applied successfully!
New Total Amount: ₹20240.0
```

```
-----Employee Management DashBoard-----
1.Calculate total Orders
2.Update Product Information
3.Check Product in Stock Availability
4.Update OrderStatus
5.Cancel Orders
6.Calculate Sub Total
7.UpdateQuantity of product
8.Add to inventory
9.Remove from Inventory
10.updateStockQuantity
11.get Inventory value
12.List low stock Inventory
13.List out of stock inventory
14.List all products
15.Apply discount
16.Get Sales Report
17. Exit Admin Dashboard.

Enter your choice:
16

-----Sales Report-----
Total Sales: ₹78000.0
```

```
Exiting Admin Dashboard..  
-----Employee Management DashBoard-----  
1.Calculate total Orders  
2.Update Product Information  
3.Check Product in Stock Availability  
4.Update OrderStatus  
5.Cancel Orders  
6.Calculate Sub Total  
7.UpdateQuantity of product  
8.Add to inventory  
9.Remove from Inventory  
10.updateStockQuantity  
11.get Inventory value  
12.List low stock Inventory  
13.List out of stock inventory  
14.List all products  
15.Apply discount  
16.Get Sales Report  
17. Exit Admin Dashboard.  
  
Enter your choice:  
17  
Exiting Admin Dashboard..
```

DB tables:

```
mysql> use techshopfinal;
```

```
Database changed
```

```
mysql> show tables;
```

Tables_in_techshopfinal	
customers	
inventory	
orderdetails	
orders	
payments	
products	

```
6 rows in set (0.00 sec)
```

```
mysql> desc customers;
```

Field	Type	Null	Key	Default	Extra
customer_ID	int	NO	PRI	NULL	auto_increment
customerFirstName	varchar(255)	YES		NULL	
customerLastName	varchar(255)	YES		NULL	
email	varchar(40)	YES	UNI	NULL	
address	varchar(100)	YES		NULL	
password	varchar(4)	YES		NULL	

```
6 rows in set (0.03 sec)
```

```
mysql> desc inventory;
```

Field	Type	Null	Key	Default	Extra
inventoryID	int	NO	PRI	NULL	auto_increment
productID	int	YES	MUL	NULL	
quantityInStock	int	YES		NULL	
lastStockUpdate	date	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> desc orderdetails;
```

Field	Type	Null	Key	Default	Extra
orderDetailID	int	NO	PRI	NULL	auto_increment
orderID	int	YES	MUL	NULL	
productID	int	YES		NULL	
quantity	int	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> desc orders;
```

Field	Type	Null	Key	Default	Extra
orderID	int	NO	PRI	NULL	auto_increment
customer_ID	int	YES	MUL	NULL	
orderDate	date	YES		NULL	
totalAmount	int	YES		NULL	
status	varchar(40)	YES		NULL	

```
5 rows in set (0.00 sec)
```

```
mysql> desc payments;
```

```
ERROR 1146 (42S02): Table 'techshopfinal.payments' doesn't exist
```

```
mysql> desc payments;
```

Field	Type	Null	Key	Default	Extra
paymentID	int	NO	PRI	NULL	auto_increment
orderID	int	YES	MUL	NULL	
paymentMethod	varchar(50)	YES		NULL	
amountPaid	decimal(10,2)	YES		NULL	
paymentDate	date	YES		NULL	

```
5 rows in set (0.00 sec)
```

```
mysql> desc products;
```

Field	Type	Null	Key	Default	Extra
productId	int	NO	PRI	NULL	auto_increment
productName	varchar(50)	YES		NULL	
productDes	varchar(100)	YES		NULL	
productPrice	decimal(10,2)	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> select*From customers;
```

customer_ID	customerFirstName	customerLastName	email	address	password
1	John	Doe	john.doe@gmail.com	123 Maple Street	NULL
2	Alice	Smith	alice.smith@yahoo.com	456 Oak Avenue	NULL
3	Bob	Johnson	bob.johnson@hotmail.com	789 Pine Road	NULL
4	Eva	Williams	eva.williams@gmail.com	321 Birch Lane	NULL
5	Mike	Brown	mike.brown@outlook.com	654 Cedar Street	NULL
6	Rokhitha	Nagarajan	rokhi@gmail.com	Pondicherry	1234
7	Joe	T	joe@gmail.com	1234	1234
8	Ross	Geller	ross@gmail.com	Las Vegas	1234
9	Monica	G	mon@gmail.com	Las Vegas	1234
10	Rachel	Green	rachel@gmail.com	Las vegas	1234

```
10 rows in set (0.00 sec)
```

```
mysql> select*From products;
```

productId	productName	productDes	productPrice
1	TV	42-inches	12000.00
2	headphone	new headphone	23000.00
3	Speaker	Dolby Audio	23000.00
4	Smartwatch	Heart Rate Monitor, GPS, Waterproof	7000.00
5	Tablet	10-inch display, 64GB storage	18000.00

```
5 rows in set (0.00 sec)
```

```
mysql> select*From inventory;
```

inventoryID	productID	quantityInStock	lastStockUpdate
1	1	37	2025-04-09
2	2	333	2025-04-09
3	3	97	2025-04-09
4	4	60	2024-03-04
5	5	200	2025-04-09

```
mysql> select*From orders;
```

orderID	customer_ID	orderDate	totalAmount	status
1	6	2025-04-08	55000	Order Delivered
2	7	2025-04-09	32400	Processing Order
3	8	2025-04-09	46000	Processing Order
4	8	2025-04-09	23000	Order Delivered
5	9	2025-04-09	20240	Cancelled
6	10	2025-04-09	12000	Processing Order

```
6 rows in set (0.00 sec)
```

```
mysql> select*From orderdetails;
```

orderDetailID	orderID	productID	quantity
1	1	2	1
2	2	5	2
3	3	3	2
4	4	2	1
5	5	3	1
6	6	1	1

```
6 rows in set (0.00 sec)
```



```
mysql> select*From payments;
```

paymentID	orderID	paymentMethod	amountPaid	paymentDate
1	2	Cash	36000.00	2025-04-09
2	3	UPI	46000.00	2025-04-09
3	4	Cash	23000.00	2025-04-09
4	5	Card	23000.00	2025-04-09
5	6	Cash	12000.00	2025-04-09

```
5 rows in set (0.00 sec)
```