

Online Shopping

(Author - Abishek Bupathi)

Description of the program:

Customer class hold the details of the customer ie. First name, last name, email ID and customer ID and the detail are got through the transactionTest class by creating a new customer object. Item class stores the details of the item and sends it to shoppingCart when an item is added to the cart. In the shoppingCart class the processing of adding removing and changing the cart items takes place and also contains the method to close the cart. Address class hold 2 addresses of the customer as objects while the payment class store the details of payment method and check whether its valid and Email class prints the email for both successful and unsuccessful transactions. Order class finalizes the order and closes the cart proceeding to the payment. TransactionTest class carries out 2 test scenarios and all the object, classes and methods are called inside as per the instructions to carry out the transaction processes.

Output of scenario 1:

```
Blue: Terminal Window - Assignment 2
Options
Transaction 1:

Customer ID: 74806542191221

Cart Id: 426501970

Item Id: 2317   Item name: Apple       Price: 3.5 euros
Item Id: 1232   Item name: Banana      Price: 2.5 euros
Item Id: 4328   Item name: Grapes      Price: 2.99 euros

Shopping cart is now closed

Order ID: 378989583
Order Total: 8.99
Time: 11:27:03
Status: Order Confirmed

Email ID : niamhol@zmail.com

Dear Niamh,

Delivery address: 253, Goldcrest village, upper Newcastle, Galway, Ireland, H91QW21
Billing address: 11/14, Kalinjur, Vellore, Tamilnadu, India, 632006

The payment for your order with order number : 165490174 amounting to 8.99 euros is successful
and will be delivered.

Thanks and regards,
Online shopping centre
```

Output for scenario 2:

```
Blue: Terminal Window - Assignment 2
Options
Transaction 2:

Customer ID: 50120012553460

Cart Id: 877020505

Item Id: 89608767      Item name: Samsung galaxy note 10 plus  Price: 1180.0 euros
Item Id: 2314534      Item name: Dell xps 15  Price: 3150.8 euros
Item Id: 4328      Item name: Sony WHX1000 Price: 465.0 euros

Shopping cart Total: 4795.8

Samsung galaxy note 10 plus is removed from the cart

Shopping cart Total: 3615.8

Shopping cart is now closed

Trying to Adding item :Samsung Galaxy tab S6

Sorry the shopping cart is closed item cannot be added

Order status: Unsuccessful

Email ID : abishekb128@gmail.com

Dear Abishek,

Due to payment error, your order is unsuccessful

Thanks and regards,
Online shopping centre
```