

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help E-Commerec - Apache NetBeans IDE 21 Search (Ctrl+I)

3253/4180MB

Projects Services

- assignment3
- constector
- constrcator
- E-Commerec
 - Source Packages
 - e.commerec
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 - Cart.java
 - ClothingProduct.java
 - Customer.java
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 - ElectronicProduct.java
 - Order.java
 - Product.java
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- JavaApplication9
- mavenproject3
- object
- uniSystem

Start Page Customer.java Product.java ClothingProduct.java Cart.java Order.java ElectronicProduct.java BookProduct.java Ec...

Source History

```
35      System.out.println("invalid index");
36
37
38
39    }
40    public void removeProudct(int index) {
41        if(index>=0&&index<nProducts)
42            Products[index]=null;
43        else
44            System.out.println("nvalid index");
45    }
46
47    public double CalculatePrice() {
48        double totalPrice=0;
49        for(int i=0;i<nProducts;i++){
50            if(Products[i]!=null){
51                totalPrice+=Products[i].getPrice();
52            }
53        }
54        return totalPrice;
55    }
56
57    public void PlaceOrder() {
58        System.out.println("customerId"+customerId);
59        System.out.println("Total price:"+CalculatePrice()+"$");
60    }
61
62 }
```

27:6 INS Windows (CRLF)

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Start Page Customer.java Product.java ClothingProduct.java Cart.java Order.java ElectronicProduct.java BookProduct.java Ec...

Source History

```
1 package e.commerec;
2 public class Cart {
3     private int customerId;
4     private int nProducts;
5     Product[] Products;
6     public Cart(int customerId, int nProducts) {
7         this.customerId = Math.abs(customerId);
8         this.nProducts = nProducts;
9         this.Products = new Product[this.nProducts];
10    }
11    public int getCustomerId() {
12        return customerId;
13    }
14    public void setCustomerId(int customerId) {
15
16        this.customerId = customerId;
17    }
18    public int getnProducts() {
19        return nProducts;
20    }
21    public void setnProducts(int nProducts) {
22
23        this.nProducts = nProducts;
24    }
25    public Product[] getProducts() {
26        return Products;
27    }
28    public void setProducts(Product[] Products) {
29        this.Products = Products;
30    }
31    public void addProduct(Product product, int index) {
32        if(index >= 0 && index < nProducts)
33            Products[index] = product;
34        else
35            System.out.println("invalid index");
36
37    }
```

27:6 INS Windows (CRLF)

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Start Page Customer.java Product.java ClothingProduct.java Cart.java Order.java ElectronicProduct.java BookProduct.java Eco...

Source History

```
1 package e.commerec;
2 public class Customer {
3     private int customerId;
4     private String name;
5     private String address;
6     public Customer() {
7     }
8     public Customer(int customerId, String name, String address) {
9         this.customerId = Math.abs(customerId);
10        this.name = name;
11        this.address = address;
12    }
13    public int getCustomerId() {
14        return customerId;
15    }
16    public void setCustomerId(int customerId) {
17        this.customerId = Math.abs(customerId);
18    }
19    public String getName() {
20        return name;
21    }
22    public void setName(String name) {
23        this.name = name;
24    }
25
26    public String getAddress() {
27        return address;
28    }
29
30    public void setAddress(String address) {
31        this.address = address;
32    }
33
34 }
35
```

21:6 | INS Windows (CRLF)

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Start Page Customer.java Product.java ClothingProduct.java Cart.java Order.java ElectronicProduct.java BookProduct.java Ecommer...

Source History

```
29 }
30 public int getOrderID() {
31     return orderId;
32 }
33 public void setOrderID(int orderId) {
34     this.orderId = orderId;
35 }
36 public Product[] getProducts() {
37     return Products;
38 }
39 public void setProducts(Product[] Products) {
40     this.Products = Products;
41 }
42 public float getTotalPrice() {
43     return totalPrice;
44 }
45 public void setTotalPrice(float totalPrice) {
46     this.totalPrice = totalPrice;
47 }
48
49 public void printOrderInfo(){
50     System.out.println("Here is your Order summary:");
51     System.out.println("your orderId:"+orderId);
52     System.out.println("your customer ID:"+customerId);
53     System.out.println("the Products:");
54     for(int i=0;i<Products.length;i++){
55         if(Products[i]!=null)
56             System.out.println(Products[i].getName()+"$"+Products[i].getPrice());
57     }
58     System.out.println("the totalPrice"+ TotalPrice()+"$" );
59 }
60
61 }
62
63 }
64 }
```

48:4 | INS Windows (CRLF)

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Source History

```
1 package e.commerce;
2
3 import java.util.Scanner;
4 public class EcommerecSystem {
5     public static void main(String[] args) {
6         Scanner input=new Scanner(System.in);
7
8         System.out.println("Welcome to E-Commerce System!");
9
10        System.out.println("Please enter your ID:");
11        int customerId = input.nextInt();
12        input.nextLine();
13
14        System.out.println("Please enter your name:");
15        String name = input.nextLine();
16
17        System.out.println("Please enter your address:");
18        String address = input.nextLine();
19
20        Customer c1 = new Customer(customerId, name, address);
21
22        System.out.println("How many products would you like to add to your cart?");
23        int nProducts = input.nextInt();
24
25        Cart cart = new Cart(customerId, nProducts);
26
27        ElectronicProduct E1= new ElectronicProduct(1, "smartPhone", 599.9f, "samsung", 1);
28        ClothingProduct Cc= new ClothingProduct(1, "T-shirt", 19.99f, "medium", "cotton");
29        BookProduct B1=new BookProduct(3, "OOP", 39.99f, "O'Reilly", "X Publications");
30
31
32
33        for (int i = 0; i < nProducts; i++) {
34            System.out.println("Which product would you like to add? 1-SmartPhone 2-T-shirt 3-OOP");
35            int choice = input.nextInt();
36            input.nextLine();
37            switch (choice) {
```

4:29 INS Unix (LF)

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Source History

```
30
31
32
33 for (int i = 0; i < nProducts; i++) {
34     System.out.println("Which product would you like to add? 1-SmartPhone 2-T-shirt 3-OOP");
35     int choice = input.nextInt();
36     input.nextLine();
37     switch (choice) {
38         case 1:
39             cart.addProduct(E1,i);
40             break;
41         case 2:
42             cart.addProduct(Cc,i);
43             break;
44         case 3:
45             cart.addProduct(B1,i);
46             break;
47         default:
48             System.out.println("Invalid choice!");
49     }
50 }
51
52 System.out.println("Your total is $" + cart.CalculatePrice() + ". Would you like to place the order? 1-Yes 2-No");
53 int decision = input.nextInt();
54 if (decision == 1) {
55
56     Order order = new Order(c1.getCustomerId(), 1, cart.getProducts());
57
58     order.printOrderInfo();
59 } else {
60     System.out.println("Order not placed. Thank you for shopping with us!");
61 }
62
63 }
64 }
65
66
```

4:29 INS Unix (LF)

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Source History

```
1 package e.commercec;
2 public class ElectronicProduct extends Product{
3     private String brand;
4     private int warrantyPeriod;
5     public ElectronicProduct() {
6
7     }
8     public ElectronicProduct(int productId, String name, float price,String brand, int warrantyPeriod) {
9         super(productId, name,price);
10        this.brand = brand;
11        this.warrantyPeriod = Math.abs(warrantyPeriod);
12    }
13
14    public void setBrand(String brand) {
15        this.brand = brand;
16    }
17
18    public void setWarrantyPeriod(int warrantyPeriod) {
19        this.warrantyPeriod =Math.abs(warrantyPeriod);
20    }
21
22    public String getBrand() {
23        return brand;
24    }
25
26    public int getWarrantyPeriod() {
27        return warrantyPeriod;
28    }
29
30
31 }
32
```

22:31 | INS Windows (CRLF)

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Source History

```
1 package e.commerec;
2 public class Product {
3     protected int productId;
4     protected String name;
5     protected float price;
6     public Product() {
7     }
8
9     public Product(int productId, String name, float price) {
10         this.productId = Math.abs(productId);
11         this.name = name;
12         this.price = Math.abs(price);
13     }
14     public void setProductId(int productId) {
15         this.productId = Math.abs(productId);
16     }
17     public void setName(String name) {
18         this.name = name;
19     }
20     public void setPrice(float price) {
21         this.price = Math.abs(price);
22     }
23     public int getProductId() {
24         return productId;
25     }
26
27     public String getName() {
28         return name;
29     }
30
31     public float getPrice() {
32         return price;
33     }
34 }
35
```

22:6 INS Windows (CRLF)

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Source History

```
1 package e.commerce;
2
3 public class ClothingProduct extends Product{
4
5     private String size;
6     private String fabric;
7
8     public ClothingProduct() {
9     }
10
11    public ClothingProduct(int productId,String name,float price, String size, String fabric) {
12        super(productId, name,price);
13        this.size = size;
14        this.fabric = fabric;
15    }
16
17    public void setSize(String size) {
18        this.size = size;
19    }
20
21    public void setFabric(String fabric) {
22        this.fabric = fabric;
23    }
24
25
26    public String getSize() {
27        return size;
28    }
29
30    public String getFabric() {
31        return fabric;
32    }
33
34 }
35
36
```

1:1 INS Windows (CRLF)

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Source History

```
2 package e.commerec;
3 public class BookProduct extends Product{
4
5     private String author;
6     private String publisher;
7
8     public BookProduct() {
9     }
10
11    public BookProduct(int productId,String name,float price,String author, String publisher) {
12        super(productId, name,price);
13        this.author = author;
14        this.publisher = publisher;
15    }
16
17    public String getAuthor() {
18        return author;
19    }
20
21    public String getPublisher() {
22        return publisher;
23    }
24
25    public void setAuthor(String author) {
26        this.author = author;
27    }
28
29    public void setPublisher(String publisher) {
30        this.publisher = publisher;
31    }
32
33
34 }
35
```

Output - E-Commerec (run) x

run:

1:1 INS Windows (CRLF)

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Source History

Output - E-Commerec (run)

```
run:
Welcome to E-Commerce System!
Please enter your ID:
23012227
Please enter your name:
Basil Mohammed Masaad Al.Sayed
Please enter your address:
sidi beshr
How many products would you like to add to your cart?
4
Which product would you like to add? 1-SmartPhone 2-T-shirt 3-OOP
2
Which product would you like to add? 1-SmartPhone 2-T-shirt 3-OOP
3
Which product would you like to add? 1-SmartPhone 2-T-shirt 3-OOP
2
Which product would you like to add? 1-SmartPhone 2-T-shirt 3-OOP
1
Your total is $679.8700256347656. Would you like to place the order? 1-Yes 2-No
1
Here is your Order summary:
your orderId:1
your customer ID:23012227
the Products:
T-shirt$19.99
OOP$39.99
T-shirt$19.99
smartPhone$599.9
the totalPrice679.8700256347656$
BUILD SUCCESSFUL (total time: 2 minutes 46 seconds)
```

9:9 INS

10:42 PM 4/22/2024