Lab 08

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`Customer.java`

```java
/**
 * Customer
 */
public class Customer {


    //fields----------------------------------------------------------------
    private final int CustomerID;
    private final String email;
    private Order order;


    //constructor-------------------------------------------------------------
    public Customer(int Id, String email) {
        this.CustomerID = Id;
        this.email = email;
    }


    //getters---------------------------------------------------------------
    public int getCustomerID() {
        return CustomerID;
    }
    public String getEmail() {
        return email;
    }
    public Order getOrder() {
        return order;
    }


    //setters---------------------------------------------------------------
    public void setOrder(int Id) {

        Order order = new Order();

        //Retrieve order information from store website based on customer ID
        //.................
        this.order = order;

    }


}
```

There is more code below this

```java
1  import java.util.ArrayList;
2
3  /**
4   * Order
5   */
6  public class Order {
7
8      //fields--------------------------------------------------------------
9      private final int orderNumber;
10     private ArrayList<Item> itemList;
11     public boolean completionStatus;
12
13
14     //Constructors--------------------------------------------------------------
15     public Order() {
16         this.orderNumber = 0;
17         this.itemList = new ArrayList<Item>();
18         this.completionStatus = false;
19     }
20
21     public Order(int orderNumber) {
22         this.orderNumber = orderNumber;
23         this.itemList = new ArrayList<Item>();
24         this.completionStatus = false;
25     }
26
27
28     //Getters--------------------------------------------------------------
29     public int getOrderNumber() {
30         return orderNumber;
31     }
32     public ArrayList<Item> getItemList() {
33         return itemList;
34     }
35
36
37     //add and remove items
       --------------------------------------------------------------
38     public void addItem(Item item) {
39         this.itemList.add(item);
40     }
41     public void removeItem(Item item) {
42         this.itemList.remove(item);
43     }
44
45     //return total--------------------------------------------------------------
46     public double getTotal() {
47         double total = 0.0;
48         for (Item item : itemList) {
49             total += item.getItemPrice();
50         }
51         return total;
52     }
53
54     //complete order--------------------------------------------------------------
55     public void completeOrder() {
56         this.completionStatus = true;
57     }
58
59 }
```

There is more code below this

```java
/**
 * Item
 */
public class Item {

    //fields------------------------------------------------------------
    private final int itemID;
    private final String itemSpecs;
    private final int itemPrice;


    //constructor-------------------------------------------------------
    public Item(int itemID, String itemSpecs, int itemPrice) {
        this.itemID = itemID;
        this.itemSpecs = itemSpecs;
        this.itemPrice = itemPrice;
    }


    //getters-----------------------------------------------------------
    public int getItemID() {
        return itemID;
    }
    public String getItemSpecs() {
        return itemSpecs;
    }
    public int getItemPrice() {
        return itemPrice;
    }


}
```

There is no more code.