```
1    // joi/1/estore/ShoppingCart.java
2    //
3    //
4    // Copyright 2003 Bill Campbell and Ethan Bolker
5
6    /**
7     * A ShoppingCart keeps track of a customer's purchases.
8     *
9     * @see EStore
10    * @version 1
11    */
12
13   public class ShoppingCart
14   {
15       private int count; // number of Items in this ShoppingCart
16       private int cost;  // cost of Items in this ShoppingCart
17
18   /**
19    *
20    * Construct a new empty ShoppingCart.
21    */
22   public ShoppingCart()
23   {
24       count = 0;
25       cost  = 0;
26   }
27
28   /**
29    * When this ShoppingCart is asked to add an Item to itself
30    * it updates its count field and then updates its cost
31    * field by sending the Item a getCost message.
32    *
33    * @param purchase the Item being added to this ShoppingCart.
34    */
35
36   public void add( Item purchase )
37   {
38       count++; // Java idiom for count = count + 1;
39       cost = cost + purchase.getCost();
40   }
41
42   /**
43    * What happens when this ShoppingCart is asked how many
44    * Items it contains.
45    *
46    * @return the count of Items.
47    */
48   public int getCount()
49   {
50       return count;
51   }
52
53   /**
54    * What happens when this ShoppingCart is asked the total
55    * cost of the Items it contains.
56    *
```

```
57    *
58    * @return the total cost.
59    */
60   public int getCost()
61   {
62       return cost;
63   }
64   }
65
```