```
 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       *  Construct a new empty ShoppingCart.
20       */
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
49      public int getCount()
50      {
51          return count;
52      }
53
54      /**
55       * What happens when this ShoppingCart is asked the total
56       * cost of the Items it contains.
```



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