Listing 4.14 ShoppingCart.java

```java
public class ShoppingCart {
    private int count; // number of Items in this ShoppingCart
    private int cost;  // total cost of Items in this ShoppingCart

    /**
     * Construct a new empty ShoppingCart.
     */
    public ShoppingCart() {
        count = 0;
        cost  = 0;
    }

    /**
     * Add an Item to this ShoppingCart.
     *
     * @param item the Item to add.
     */
    public void addItem( Item item ) {
        count++;
        this.cost += item.getCost(); // Java idiom: a += b means a = a + b
    }

    /**
     * Return an Item from this ShoppingCart.
     *
     * @param item the Item to return.
     */
    public void returnItem( Item item ) {
        // look through the list looking for Item
        // remove it if it's there
    }

    /**
     * What happens when this ShoppingCart is asked how many
     * Items it contains.
     *
     * @return the number of items in this ShoppingCart.
     */
    public int getCount() {
        return count;
    }

    /**
     * What happens when this ShoppingCart is asked the total
     * cost of the Items it contains.
     *
     * @return the total cost of the items in this ShoppingCart.
     */
    public int getCost() {
        return cost;
    }

    /**
     * Write the contents of this ShoppingCart to a Terminal.
     *
     * @param t the Terminal to use for output.
     */
    public void showContents( Terminal t) {
        // work to do here ...
        t.println("[sorry, can't yet print ShoppingCart contents]");
    }
}
```