```
var customer= {Id:"", couponStatus:"default", payable:0, ...};
    var coupon= {Id:"", expired:false...}
    var availItems= {{name:"", price:0, count:0},...}
    var selItem= {name:"", price:0, quantity:0};
    $document.ready(function() {
     availItems=getItemsFromServer(url);
     coupon= getCouponFromServer(url + customer.Id);
9
     $(".merchandise").click(addToCart);
     $("#shopCart").click(viewCart);
    });
12
13
    function addToCart() {
     var coupElem= $("#couponButt");
15
     selItem= getItemInfo($(this));-
.16
      for(var i=0; i<availItems.length; i++){</pre>
      if(availItems[i].name == selItem.name) <</pre>
18
       availItems[i].count -= selItem.quantity;

▲
19
20
21
     var price= selItem.price * selItem.quantity;
      if(!coupon.expired){
      coupElem.removeClass(customer.couponStatus);
       customer.couponStatus= coupon.Id + '-' + 'used';
24
       price -= coupElem.data('value');
 26
       coupElem.addClass(customer.couponStatus);
27
      coupon.expired=true;
28
29
      customer.payable += price;
30
 31
    function viewCart(){
 33
      if($("#couponButt").attr("class") == 'default' && customer.payable==0)
35
      showMsg('Shopping cart is empty');
36
      else
37
      $("div.shopContainer").append("" + "Total purchase is: $" +
      customer.payable +"");
38 }
                                    (a)
```

```
1  @Test
2  public void testCase1(){
3    Select quantity = new Select(driver.findElement(By.
        id("quantityDropDown")));
4    quantity.selectByIndex(1);
5    WebElement item = driver.findElements(By.css("merchandise"));
6    item.click();
7    WebElement cart = driver.findElements(By.id("shopCart"));
8    cart.click();
9    String expectedMsg = "Total purchase is: $70";
10    String msg=driver.findElements(By.cssSelector
        ("div.shopContainer")).getText();
11    assertEquals(msg, expectedMsg);
12 }
```