```
var customer= {Id:"", couponStatus:"default", payable:0, ...};
1
2
    var coupon= {Id:"", expired:false...}
3
    var availItems= {{name:"", price:0, count:0},...}
    var selItem= {name:"", price:0, quantity:0};
4
5
6
    $document.ready(function() {
7
     availItems=getItemsFromServer(url);
8
     coupon= getCouponFromServer(url + customer.Id);
9
     $(".merchandise").click(addToCart);
10
     $("#shopCart").click(viewCart);
11
12
    });
13
14
    function addToCart() {
15
     var coupElem= $("#couponButt");
16
     selItem= getItemInfo($(this));
17
     for(var i=0; i<availItems.length; i++){</pre>
18
      if(availItems[i].name == selItem.name) <</pre>
19
       availItems[i].count -= selItem.quantity;
20
21
     var price= selItem.price * selItem.quantity;
22
     if(!coupon.expired){
23
      coupElem.removeClass(customer.couponStatus);
24
      customer.couponStatus= coupon.Id + '-' + 'used';
25
      price -= coupElem.data('value');
26
      coupElem.addClass(customer.couponStatus);
27
      coupon.expired=true;
28
29
     customer.payable += price;
30
31
32
    function viewCart(){
33
     if($("#couponButt").attr("class") == 'default' && customer.payable==0)
34
35
      showMsg('Shopping cart is empty');
36
      $("div.shopContainer").append("" + "Total purchase is: $" +
\37
      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"));
     item.click();
6
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 }
                                    (b)
```