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SER316 Summer A 2022
Assignment 3

Task 3 Step 1:


```java
 5  import org.junit.Test;
 6  import static org.junit.Assert.*;
 7
 8  public class CostTest {
 9
10      private Cart createCart(int age) throws Exception {
11          return new Cart(age);
12      }
13
14      Cart cartAO, cartAU, cartD, cartM, cartF, cartPS, cartPT, cartAFO;
15      double cart1Expected, cart1ex, cartAOex, cartDex,
16          cartMex, cartFex, cartPSex, cartPTex, cartAFOex;
17
18      @org.junit.Before
19      public void setUp() throws Exception {
20          //Alcohol Over Age
21          cartAO = createCart(21);
22          cartAO.addItem(new Alcohol());
23          cartAOex = 8.64;
24
25          //Alcohol Under Age
26          cartAU = createCart(20);
27          cartAU.addItem(new Alcohol());
28
29          //Dairy
30          cartD = createCart(21);
31          cartD.addItem(new Dairy());
```

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Task 3 Step 2:


```java
 1  package test.java;
 2
 3  import main.java.*;
 4
 5  import org.junit.After;
 6  import org.junit.Before;
 7  import org.junit.Test;
 8
 9  import static org.junit.Assert.*;
10
11  public class WhiteBoxGiven {
12
13      Cart cart, cartP2, cartP3, cartP5, cartAO, cartAU, cartA1F1, cartA2F3, car
14
15      @Before
16      public void setUp() throws Exception {
17          cart = new Cart(45);
18          cart.addItem(new Dairy());
19
20          //Produce
21          cartP2 =  new Cart(21);
22          for(int i = 0; i < 2; i++) {
23              cartP2.addItem(new Produce());
24          }
25          cartP3 =  new Cart(21);
26          for(int i = 0; i < 3; i++) {
27              cartP3.addItem(new Produce());
28          }
```

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Task 4: