

UNIVERSITY OF THE ARMED FORCES – ESPE
HW21 –PROJECT TEST CASES

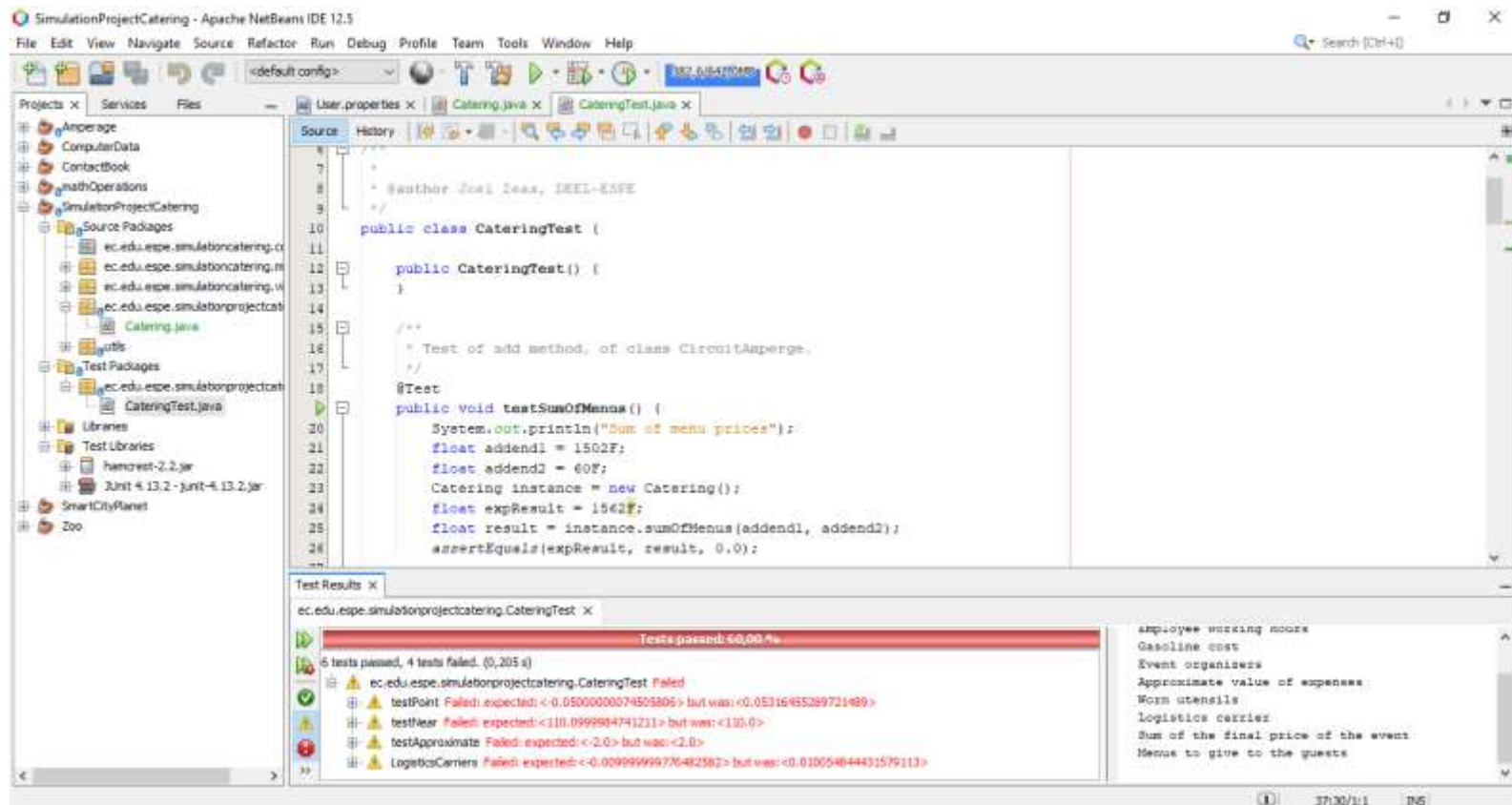
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Date: 10th February 2022

NRC: 7490

Career: Telecommunications

43 ZEAS CLAVIJO JOEL ALEXANDER



The screenshot shows the Apache NetBeans IDE 12.5 interface. The main editor displays the source code of a Java class named `CateringTest`. The code includes a package declaration, a class declaration, a constructor, and a test method `testSumOfMenus`. The test method uses `JUnit4` annotations and assertions to verify the `sumOfMenus` method of the `Catering` class.

```
1  /**
2   *
3   * @author Joel Zeas, IEEL-ESPE
4   */
5
6  public class CateringTest {
7
8      public CateringTest() {
9      }
10
11     /**
12      * Test of add method, of class CircuitAmperge.
13      */
14     @Test
15     public void testSumOfMenus() {
16         System.out.println("Sum of menu prices");
17         float addend1 = 1502F;
18         float addend2 = 60F;
19         Catering instance = new Catering();
20         float expResult = 1562F;
21         float result = instance.sumOfMenus(addend1, addend2);
22         assertEquals(expResult, result, 0.0);
23     }
24 }
```

The Test Results window at the bottom shows the execution of the `CateringTest` class. It indicates that 5 tests passed and 4 tests failed, resulting in a 60.00% pass rate. The failed tests are listed with their expected and actual values.

Test Name	Expected Value	Actual Value
testPoint	<0.05000000074505805>	<0.05316455289721489>
testNear	<110.0999994741211>	<110.0>
testApproximate	<-2.0>	<-2.0>
LogisticsCarriers	<-0.0099999999776482582>	<-0.010054644431579113>

The right side of the Test Results window shows a list of menu items and their approximate values:

- employee working hours
- Gasoline cost
- Event organizers
- Approximate value of expenses
- Worm utensils
- Logistics carrier
- Sum of the final price of the event
- Menus to give to the guests

SimulationProjectCatering - Apache NetBeans IDE 12.5

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

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Projects x Services Files

- Amperage
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- ContactBook
- mathOperations
- SimulationProjectCatering
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 - ec.edu.espe.simulationcatering.m
 - ec.edu.espe.simulationcatering.vi
 - ec.edu.espe.simulationprojectcat
 - Catering.java
 - utils
 - Test Packages
 - ec.edu.espe.simulationprojectcat
 - CateringTest.java
 - Libraries
 - Test Libraries
 - hamcrest-2.2.jar
 - JUnit 4.13.2 - junit-4.13.2.jar
 - SmartCityPlanet
 - Zoo

Source History

```
122
123
124 @Test
125 public void testValues() {
126     System.out.println("Menus to give to the guests");
127     float dividend = 250F;
128     float divider = 2F;
129     Catering instance = new Catering();
130     float expResult = 125F;
131     float result = instance.values(dividend, divider);
132     assertEquals(expResult, result, 0.0);
133 }
134
135 /**
136  * Test of add method, of class CircuitAmperge.
137  */
138 @Test
139 public void testFigure() {
140     System.out.println("Worn utensils");
141     float dividend = 480F;
142     float divider = 26F;
```

Test Results x

ec.edu.espe.simulationprojectcatering.CateringTest x

Tests passed: 80,00 %

8 tests passed, 2 tests failed. (0,176 s)

- ec.edu.espe.simulationprojectcatering.CateringTest Failed running...
- testNear Failed: expected: <110.0999984741211> but was: <110.0>
- testFigure Failed: expected: <9.800000190734863> but was: <18.461538314819336>

Sum of menu prices
Travel hours to the event
Employee working hours
Gasoline cost
Event organizers
Approximate value of expenses
Worn utensils
Logistics carrier
Sum of the final price of the event

144:30 INS

SimulationProjectCatering - Apache NetBeans IDE 12.5

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23             Catering instance = new Catering();
24             float expResult = 1562F;
25             float result = instance.sumOfMenus(addend1, addend2);
26             assertEquals(expResult, result, 0.0);
27         }
28     }
```

Test Results x

ec.edu.espe.simulationprojectcatering.CateringTest x

Tests passed: 100,00 %

All 10 tests passed. (0,175 s)

- Sum of menu prices
- Travel hours to the event
- Employee working hours
- Gasoline cost
- Event organizers
- Approximate value of expenses
- Worn utensils
- Logistics carrier
- Sum of the final price of the event

159:30 INS