

Testing Results

for

Entre Hilos & Algodón Management Software

Version 3.3.0 approved

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Tests for computeMaterialUnitCost method

Before tests

Unit Test <i>computeMaterialUnitCost</i>					
Test case	General Cost	GeneralQuantity	Expected Result	Actual Result	Status
1	5,00	10	0,50	0,50	OK
2	2,50	2	1,25	1,25	OK
3	-8,41	-5	Not possible to enter	Not possible to enter	OK
4	2,666666	2,4	Not possible to enter	Not possible to enter	OK
5	2	8	0,25	0,25	OK
6	a	10	Not possible to enter	Not possible to enter	OK
7	5	5	1,00	1,0	OK
8	5,222	-9	Not possible to enter	Not possible to enter	OK
9	2222222,2	7500	296,30	296,2963	FAIL
10	4	10000	0,00	0,0004	FAIL
11	5	8	0,63	0,625	FAIL
12	6,5	7,4	Not possible to enter	Not possible to enter	OK
13	10	5	2,00	2	OK
14	5,8	3	1,93	1,9333334	FAIL
15	4,5,	2	Not possible to enter	Exception	FAIL
16	2	-8	Not possible to enter	Not possible to enter	OK
17	4	k	Not possible to enter	Not possible to enter	OK
18	0	7	0,00	0	OK
19	555,5	6,66666666	Not possible to enter	Not possible to enter	OK
20	2,55555555	20	Not possible to enter	0,125	FAIL
21	2222222222	300000000	74,07	0,74	OK
22	0	0	Not possible to enter	Not possible to enter	OK
23	555555555	10	5,56E+07	5,56E+07	FAIL
24	23,56	0	Not possible to enter	Not possible to enter	OK
25	22	0	Not possible to enter	Not possible to enter	OK

Test Results	
ec.edu.espe.EHAManagement.jar:V3.2.0 (Unit) x	
Tests passed: 33,33 %	
7 2 tests passed, 4 tests failed. (0,031 s)	
✓	utils.CostsCalculatorTest Failed
✗	utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralQuantity Failed: expected: <0.0> but was: <4.0E-4>
✗	utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForGeneralCost Failed: expected: <1.94> but was: <1.9433333>
✗	utils.CostsCalculatorTest.testComputeMaterialUnitCostNoneDecimalPlacesForGeneralCost Failed: expected: <0.63> but was: <0.625>
✓	utils.CostsCalculatorTest.testComputeMaterialUnitCostCeroForGeneralCost passed (0,0 s)
✓	utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralCost passed (0,001 s)
✗	utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForBoth Failed: expected: <296.3> but was: <296.2963>

After tests

Testing Results for Entre Hilos & Algodón Management Software

Unit Test <i>computeMaterialUnitCost</i>					
Test case	General Cost	GeneralQuantity	Expected Result	Actual Result	Status
1	5,00	10	0,50	0,50	OK
2	2,50	2	1,25	1,25	OK
3	-8,41	-5	Not possible to enter	Not possible to enter	OK
4	2,666666	2,4	Not possible to enter	Not possible to enter	OK
5	2	8	0,25	0,25	OK
6	a	10	Not possible to enter	Not possible to enter	OK
7	5	5	1,00	1,0	OK
8	5,222	-9	Not possible to enter	Not possible to enter	OK
9	222222,2	7500	296,30	296,30	OK
10	4	10000	0,00	0,00	OK
11	5	8	0,63	0,63	OK
12	6,5	7,4	Not possible to enter	Not possible to enter	OK
13	10	5	2,00	2,00	OK
14	5,83	3	1,94	1,94	OK
15	4,5,	2	Not possible to enter	Exception	In work
16	2	-8	Not possible to enter	Not possible to enter	OK
17	4	k	Not possible to enter	Not possible to enter	OK
18	0	7	0,00	0,00	OK
19	555,5	6,66666666	Not possible to enter	Not possible to enter	OK
20	2,55555555	20	Not possible to enter	0,13	In work
21	222222222	30000001	74,07	0,74	OK
22	0	0	Not possible to enter	Not possible to enter	OK
23	55555555	10	5,56E+07	5,56E+07	OK
24	23,56	0	Not possible to enter	Not possible to enter	OK
25	22	0	Not possible to enter	Not possible to enter	OK

Test Results x

ec.edu.espe:EHAManagement.jar:V3.2.0 (Unit) x

Tests passed: 100,00 %

All 6 tests passed. (0,011 s)

- utils.CostsCalculatorTest passed
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForGeneralCost passed (0,008 s)
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralQuantity passed (0,001 s)
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostNoneDecimalPlacesForGeneralCost passed (0,0 s)
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForBoth passed (0,001 s)
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostCeroForGeneralCost passed (0,0 s)
 - utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralCost passed (0,001 s)

Tests for computeWorkingTimeCostPerProduct method

Before tests

Testing Results for Entre Hilos & Algodón Management Software

Unit Test <i>computeWorkingTimeCostPerProduct</i>					
Test case	Working Time	Current Salary	Expected Result	Actual Result	Status
1	5	400,00	8,33	8,333333	Fail
2	10	450,63	18,78	18,76249	Fail
3	8	987,1	32,90	32,9	Ok
4	0	123,32	0,00	0	Ok
5	1	12,66	0,05	0,052775003	Fail
6	12	98765,22	4938,26	4938,26	Ok
7	100	24	10,00	10	Ok
8	2	666321,03	5552,68	5,552,675	Fail
9	3	2352,62	29,41	29.407.825	Fail
10	4	123,32	2,06	2,06	Ok
11	1	22,33	0,09	0,09	Ok
12	2,1,,	951,15,9	Not possible to enter	exception	Fail
13	24	62,33333	Not possible to enter	6,244	Fail
14	19	123,21	9,75	9,75	Ok
15	15	598,36	37,40	37,4	Ok
16	-1	-8999	Not possible to enter	Not possible to enter	Ok
17	2,1	-2	Not possible to enter	Not possible to enter	Ok
18	-9,1	-2,3	Not possible to enter	Not possible to enter	Ok
19	9	98,1	3,68	3,69	Fail
20	9	999,1	37,47	37,47	Ok
21	98	879654,321	Not possible to enter	359192,2	Fail
22	1,2	98,00009	Not possible to enter	Not possible to enter	Ok
23	5	126,32	2,63	2,63	Ok
24	9	174,98	6,56	6,56205	Fail
25	15	12,12	0,76	0,76	Ok

Test Results x

utils.CostCalculatorTest x

Tests passed: 40.00 %

2 tests passed, 3 tests failed. (0.133 s)

- utils.CostCalculatorTest Failed
 - testComputeWorkingTimeCostProductTwoDecimal Failed: expected:<32.9> but was:<32.90333>
 - testComputeWorkingTimeCostProductUnitCostBigNumber Failed: expected:<5552.67> but was:<5552.675>
 - testComputeWorkingTimeCostProductNoneDecimal passed (0.001 s)
 - testComputeWorkingTimeCostProductCero passed (0.0 s)
 - testComputeWorkingTimeCostProductTwoEqualDecimalPlaces Failed: expected:<8.33> but was:<8.333333>

After tests

Testing Results for Entre Hilos & Algodón Management Software

Unit Test computeWorkingTimeCostPerProduct					
Test case	Working Time	Current Salary	Expected Result	Actual Result	Status
1	5	400,00	8,33	8,33	Ok
2	10	450,63	18,78	18,78	Ok
3	8	987,1	32,90	32,9	Ok
4	0	123,32	0,00	0	Ok
5	1	12,66	0,05	0,05	Ok
6	12	98765,22	4938,26	4938,26	Ok
7	100	24	10,00	10	Ok
8	2	666321,03	5552,68	5,552,68	Ok
9	3	2352,62	29,41	29,41	Ok
10	4	123,32	2,06	2,06	Ok
11	1	22,33	0,09	0,09	Ok
12	2,1,.,	951,15,9	Not possible to enter	exception	In work
13	24	62.33333	Not possible to enter	6,244	In work
14	19	123,21	9,75	9,75	Ok
15	15	598,36	37,40	37,4	Ok
16	-1	-8999	Not possible to enter	Not possible to enter	Ok
17	2,1	-2	Not possible to enter	Not possible to enter	Ok
18	-9,1	-2,3	Not possible to enter	Not possible to enter	Ok
19	9	98,1	3,68	3,68	Ok
20	9	999,1	37,47	37,47	Ok
21	98	879654,321	Not possible to enter	359192,2	In work
22	1,2	98,00009	Not possible to enter	Not possible to enter	Ok
23	5	126,32	2,63	2,63	Ok
24	9	174,98	6,56	6,56	Ok
25	15	12,12	0,76	0,76	Ok

Test Results x

utils.CostCalculatorTest x

Tests passed: 100.00 %

All 5 tests passed. (0.137 s)

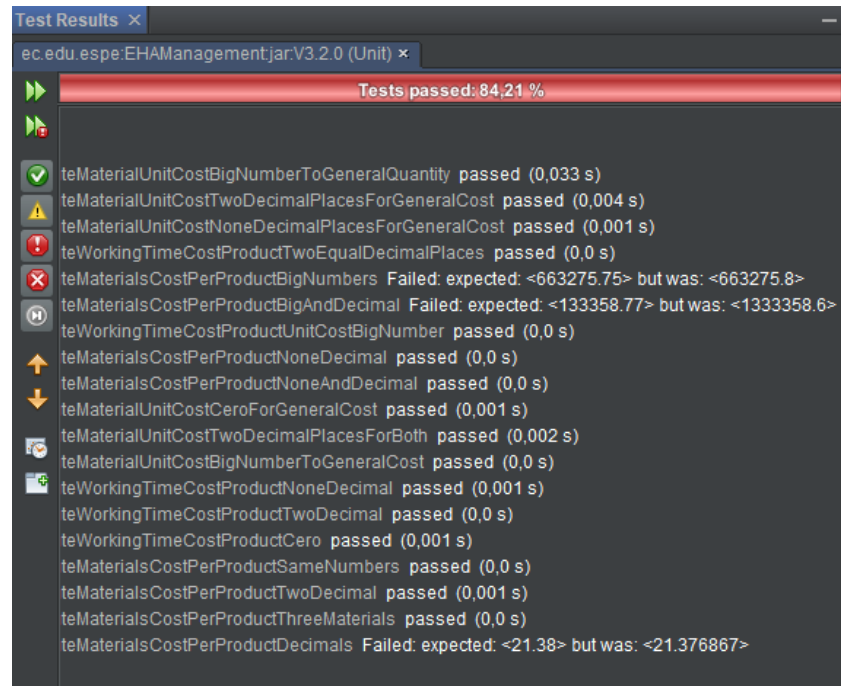
- utils.CostCalculatorTest passed running...
 - testComputeWorkingTimeCostProductTwoDecimal passed (0.019 s)
 - testComputeWorkingTimeCostProductUnitCostBigNumber passed (0.001 s)
 - testComputeWorkingTimeCostProductNoneDecimal passed (0.001 s)
 - testComputeWorkingTimeCostProductCero passed (0.001 s)
 - testComputeWorkingTimeCostProductTwoEqualDecimalPlaces passed (0.001 s)

Tests for computeMaterialsCostPerProduct method

Before tests

Before test	Test Results for computeMaterialsCostPerProduct				
Test name	Material unit cost	material quantity	Expected Result	Actual Result	Status
1	0.00	3.1	8.83	8.83	OK
	1.00	1			
	1.43	3.9			
	1.80	1			
2	1	1	31	31	OK
	2	2			
	3	3			
	4	4			
3	1.2	2	Not possible to enter	Not possible to enter	OK
	0.0	2			
	4.2	1			
	3	2			
4	0.0	2	Not possible to enter	Not possible to enter	OK
	1	1			
	0.0	4			
	1.23	2			
5	0.74	1	14.34	14.34	OK
	2.00	2			
	0	1			
	1.0001	2			
6	0.02	8	Not possible to enter	Not possible to enter	OK
	3	6			
	2.1212	2.000			
	0.20	4.00			
7	1.784	1.0004	21.38	21.376867	FAIL
	2	6.8			
	1.12	2			
	2.2.0001	1			
8	0.21	1	Not possible to enter	Not possible to enter	OK
	1	1			
	0	1			
	0.02	2			
9	1.0001	1	Not possible to enter	Not possible to enter	OK
	0.00	1			
	0.02	8			
	2	0.0			
10	1.2	1	Not possible to enter	4.077889	FAIL
	0.0001	1.10101111			
	12	0.0			
	0.2	10			
11	0	1.3	8.0	8.0	OK
	200.11	1			
	80.1	2			
	212.11	0.00			
12	40.21	12	870.44	870.4300	FAIL
	1	0			
	0.10	21.1011			
	2	1			
13	2	1	Not possible to enter	Not possible to enter	OK
	2	1			
	2	1			
	12	1			
14	1	6	Not possible to enter	Not possible to enter	OK
	0	12.2121			
	21	0.00			
	1	0.0			
15	3.21	0.76	683278.78	683278.8	FAIL
	801212.11	0.72			
	9	1			
	1	1			
16	0.02	2	Not possible to enter	Not possible to enter	OK
	2.0	1			
	21.01	21.00000			
	12	0			
17	12	0.21	Not possible to enter	Not possible to enter	OK
	1	0.1			
	1.82	0.83			
	1	2			
18	<	1	Not possible to enter	Not possible to enter	OK
	1	00			
	2.1	1			
	1.2	1			
19	2	1	Not possible to enter	Not possible to enter	OK
	0.21	1			
	1011111.2	0.1			
	212	0.10			
20	2020202.2	0.00	1313108.77	1313108.6	FAIL
	0.21	0.00			
	0	1			
	0	0.21			
21	0	1	Not possible to enter	Not possible to enter	OK
	0.00	1			
	1	1			
	1	1			
22	1.21	1	Not possible to enter	Not possible to enter	OK
	7	1			
	2	0			
	0	0			
23	202.1	0.21	Not possible to enter	Not possible to enter	OK
	34.00	0			
	2	1			
	0	2			
24	1023.10	2000	Not possible to enter	Not possible to enter	OK
	not	12.3			
	20	1			

Testing Results for Entre Hilos & Algodón Management Software



After tests

Testing Results for Entre Hilos & Algodón Management Software

Unit Test sample1entre2entre2entre2					
Test case	Material unit code	material quantity	Expected Result	Actual Result	Status
1	0.32	2.1	8.82	8.82	OK
	1.02	1			
	1.42	3.8			
	1.82	1			
	1	1			
2	2	5	21	21	OK
	3	3			
	1	1			
	3.02	9			
	1.2	2			
3	0.3	2	Not possible to enter	Not possible to enter	OK
	0.3	2			
	4.2	1			
	2	2			
	0.3	2			
4	1	1	Not possible to enter	Not possible to enter	OK
	0.3	4			
	1.32	2			
	0.12	1			
	0.32	3			
5	6	1	14.34	14.34	OK
	1.0221	2			
	0.32	9			
	3	9			
	0.32	4.83			
6	1.754	1.00004	21.38	21.38	OK
	2	6.8			
	1.12	2			
	2.22001	1			
	3.21	1			
7	1	1	Not possible to enter	Not possible to enter	OK
	0	1			
	0.32	2			
	1.1221	1			
	0.68	1			
8	0.32	6	Not possible to enter	4.077888	In work
	2	0.3			
	1.2	1			
	0.3221	1.11111111			
	12	0.3			
9	0.2	10	9.8	9.8	OK
	3	1.3			
	200.11	1			
	90.1	2			
	212.11	0.88			
10	48.21	12	873.44	873.44	OK
	1	0			
	4.12	21.1111			
	2	1			
	2	1			
11	12	9	Not possible to enter	Not possible to enter	OK
	1	8			
	0	12.2121			
	21	0.82			
	1	0.2			
12	0.21	0.76	663278.76	663278.8	In work
	801212.11	0.72			
	9	1			
	1	1			
	0.32	2			
13	2.5	1	Not possible to enter	Not possible to enter	OK
	21.01	21.22222			
	12	0			
	12	0.21			
	1	0.1			
14	1.82	0.82	Not possible to enter	Not possible to enter	OK
	1	2			
	<	1			
	1	0.2			
	2.1	-1			
15	1.2	1	Not possible to enter	Not possible to enter	OK
	2	1			
	0.21	1			
	1111111.1	0.1			
	212	0.12			
16	3232222.2	0.88	1333388.77	1333388.8	In work
	0.21	0.82			
	1	1			
	2	0.21			
	0.93	1			
17	1	1	3	3	OK
	1	1			
	1.31	1			
	9	1			
	2	0			
18	0	0	Not possible to enter	Not possible to enter	OK
	323.1	0.21			
	3435	1			
	2	1			
	4	2			
19	1223.12	0.04	Not possible to enter	Not possible to enter	OK
	na1	12.2			
	22	1			

Testing Results for Entre Hilos & Algodón Management Software

Test Results x

ec.edu.espe.EHManagement.jar:V3.2.0 (Unit) x

Tests passed: 89,47 %

17 tests passed, 2 tests failed. (0,033 s)

utils.CostsCalculatorTest Failed

- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductThreeMaterials passed (0,006 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostCeroForGeneralCost passed (0,009 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductNoneDecimal passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralCost passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductTwoDecimal passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForBoth passed (0,001 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductTwoDecimal passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductNoneAndDecimal passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductDecimals passed (0,0 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductUnitCostBigNumber passed (0,0 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductCero passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductNoneDecimal passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostBigNumberToGeneralQuantity passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostTwoDecimalPlacesForGeneralCost passed (0,001 s)
- utils.CostsCalculatorTest.testComputeMaterialUnitCostNoneDecimalPlacesForGeneralCost passed (0,0 s)
- utils.CostsCalculatorTest.testComputeWorkingTimeCostProductTwoEqualDecimalPlaces passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductBigAndDecimal Failed: expected: <133358.77> but was: <1333358.8>
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductSameNumbers passed (0,0 s)
- utils.CostsCalculatorTest.testComputeMaterialsCostPerProductBigNumbers Failed: expected: <663275.75> but was: <663275.8>