

Diseño De Software

TALLER 9 Pruebas unitarias JUnit

GRUPO 1

Profesor:

Ing. David Alonso Jurado Mosquera

INTEGRANTES:

- **Hans Ramos**
- **Pratt Garcia**
- **David Rivera**

Link del Repositorio:

<https://github.com/PrattGarcia/Taller09JUnit>

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Pruebas unitarias

Test de clase Customer

```
46 MovieRental arg = new MovieRental(new Movie("Dumbo", 20), 1);
47 Customer instance = new Customer("Jose");
48 instance.addMovieRental(arg);
49 assertTrue(instance.getMovieRentals().size()>0);
50 // TODO review the generated test code and remove the default call to fail.
51 }
52
53 /**
54  * Test of addVideoGameRental method, of class Customer.
55  */
56 @Test
57 public void testAddVideoGameRental() {
58     System.out.println("addVideoGameRental");
59     VideoGameRental arg = new VideoGameRental(new WiiGame("Mario"), 18,true);
60     Customer instance = new Customer("Jose");
61     instance.addVideoGameRental(arg);
62     // TODO review the generated test code and remove the default call to fail.
63     assertTrue(instance.getVideoGameRental().size()>0);
64 }
65
66 /**
67  * Test of statement method, of class Customer.
68  */
```

Test Results

com.espolrentalsystemtest.CustomerTest x com.espolrentalsystemtest.MovieTest x com.espolrentalsystemtest...

Tests passed: 100.00 %

All 3 tests passed. (0.14 s)

- rentalsystem1.CustomerTest passed
- testAddMovieRental passed (0.002 s)
- testStatement passed (0.014 s)
- testAddVideoGameRental passed (0.002 s)

Output

Taller09JUnit - C:\Users\HP\Taller09JUnit x Build (RentalSystem) x RentalSystem1

Testsuite: rentalsystem1.CustomerTest

addMovieRental

statement

addVideoGameRental

Tests run: 3, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0

----- Standard Output -----

addMovieRental

Test de clase Movie

```
43
44 @Test
45 public void testGetPriceCode() {
46     System.out.println("getPriceCode");
47     Movie instance = new Movie("Dumbo",20);
48     int expectedResult = 20;
49     int result = instance.getPriceCode();
50     assertEquals(expectedResult, result);
51     // TODO review the generated test code and remove the default call to fail.
52 }
53
54 /**
55  * Test of setPriceCode method, of class Movie.
56  */
57 @Test
58 public void testSetPriceCode() {
59     System.out.println("setPriceCode");
60     int arg = 25;
61     Movie instance = new Movie("Dumbo",20);
62     instance.setPriceCode(arg);
63     // TODO review the generated test code and remove the default call to fail.
64 }
```

Test Results

com.espolrentalsystemtest.MovieTest x com.espolrentalsystemtest.MovieRentalTest x rentalsystem1.MovieTest x

Tests passed: 100.00 %

Both tests passed. (0.121 s)

- rentalsystem1.MovieTest passed
- testGetPriceCode passed (0.003 s)
- testSetPriceCode passed (0.0 s)

Output

Taller09JUnit - C:\Users\HP\Taller09JUnit x Build (RentalSystem) x RentalSystem1 (test) x

setPriceCode

Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.121 sec

----- Standard Output -----

getPriceCode

setPriceCode

test:

Deleting: C:\Users\HP\AppData\Local\Temp\TEST-rentalsystem1.MovieTest.xml

BUILD SUCCESSFUL (total time: 0 seconds)

Test de clase MovieRental

The screenshot shows the source code for the `MovieRentalTest` class in the `rentalsystem1` package. The code includes two test methods: `testGetDaysRented()` and `testGetMovie()`. Both tests create a `MovieRental` instance with a `Movie` object named "Dumbo" and verify the results of the `getDaysRented()` and `getMovie()` methods.

```
42 //
43 @Test
44 public void testGetDaysRented() {
45     System.out.println("getDaysRented");
46     MovieRental instance = new MovieRental(new Movie("Dumbo",20),5);
47     int expectedResult = 5;
48     int result = instance.getDaysRented();
49     assertEquals(expResult, result);
50     // TODO review the generated test code and remove the default call to fail.
51 }
52
53 /**
54  * Test of getMovie method, of class MovieRental.
55  */
56 @Test
57 public void testGetMovie() {
58     System.out.println("getMovie");
59     MovieRental instance = new MovieRental(new Movie("Dumbo",20),5);
60     Movie expectedResult = instance.getMovie();
61     Movie result = instance.getMovie();
62     assertEquals(expResult, result);
63     // TODO review the generated test code and remove the default call to fail.
64 }
```

The Test Results window shows that both tests passed. The test `testGetMovie` passed in 0.022 s, and `testGetDaysRented` passed in 0.001 s. The overall test run was successful, with 100.00% tests passed.

Output window shows the standard output for the tests:

```
getDaysRented
getDaysRented
getMovie
getDaysRented
test:
Deleting: C:\Users\HP\AppData\Local\Temp\TEST-rentalsystem1.MovieRentalTest.xml
BUILD SUCCESSFUL (total time: 0 seconds)
```

Test de clase VideoGameRental

The screenshot shows the source code for the `VideoGameRentalTest` class in the `rentalsystem1` package. The code includes two test methods: `testGetDaysRented()` and `testGetVideoGame()`. Both tests create a `VideoGameRental` instance with a `WiiGame` object named "Smash Bros" and verify the results of the `getDaysRented()` and `getVideoGame()` methods.

```
43 @Test
44 public void testGetDaysRented() {
45     System.out.println("getDaysRented");
46     VideoGameRental instance = new VideoGameRental(new WiiGame("Smash Bros"),4,true);
47     int expectedResult = instance.getDaysRented();
48     int result = instance.getDaysRented();
49     assertEquals(expResult, result);
50     // TODO review the generated test code and remove the default call to fail.
51 }
52
53 /**
54  * Test of getVideoGame method, of class VideoGameRental.
55  */
56 @Test
57 public void testGetVideoGame() {
58     System.out.println("getVideoGame");
59     VideoGameRental instance = new VideoGameRental(new WiiGame("Smash Bros"),4,true);
60     Object expectedResult = instance.getVideoGame();
61     Object result = instance.getVideoGame();
62     assertEquals(expResult, result);
63     // TODO review the generated test code and remove the default call to fail.
64 }
65
66 }
```

The Test Results window shows that all 4 tests passed. The test `testGetVideoGame` passed in 0.003 s, `testGetFrequentRenterPoints` passed in 0.0 s, `testGetCharge` passed in 0.0 s, and `testGetDaysRented` passed in 0.0 s. The overall test run was successful, with 100.00% tests passed.

Output window shows the standard output for the tests:

```
getVideoGame
getFrequentRenterPoints
getCharge
getDaysRented
test:
Deleting: C:\Users\HP\AppData\Local\Temp\TEST-rentalsystem1.VideoGameRentalTest.x
```