"UNIVERSIDADDE LAS FUERZAS ARMADAS"
ESPE

SOFTWARE ENGINEERING
OOP

Project

SMC-STYLE-IRELIA

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SEDE MATRIZ SANGOLQUÍ
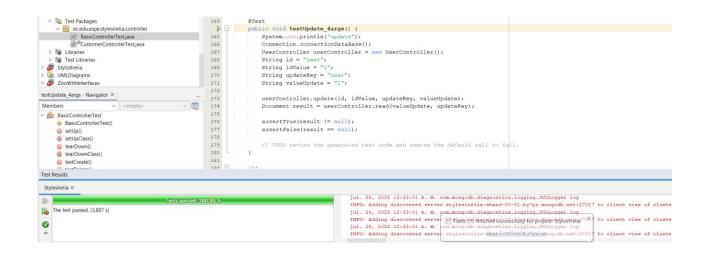QUITO-ECUADOR
2022

UNIT TEST

Ensuring software quality is a transversal requirement in any development project.

The quality of the software is verified by carrying out tests on it.

When we test a program, we run it on some input data (test cases) to verify that it works as expected. We define unit test as the test of one of the modules that make up a program.

Test cases are classes or modules that have methods to test the methods of a specific class or module. Thus, for each class that we wanted to test, we would define its corresponding test case class. Through the suites we can organize the test cases, so that each suite groups the test cases of modules that are functionally related.

UNIT TEST OF THE PROJECT:

First screenshot:

File tabs: BasicControllerTest.java, CustomerControllerTest.java
Libraries, Test Libraries, StylistIrelia

testCreate - Navigator
Members / <empty>
- BasicControllerTest
  - BasicControllerTest()
  - setUp()
  - setUpClass()
  - tearDown()
  - tearDownClass()
  - testCreate()

```java
 81      * Test of create method, of class BasicController.
 82      */
 83     @Test
 84     public void testCreate() {
 85         Connection.connectionDataBase();
 86         UserController userController = new UserController();
 87         User user = new User("Melina", "123");
 88         System.out.println("create");
 89         Document document = userController.buildDocument(user);
 90         userController.create(document);
 91         Document result = userController.read("Melina", "user");
 92         assertTrue(result != null);
 93     }
 94
 95     /**
```

Test Results

StylesIrelia ×

Tests passed: 0,00 %

Running...

Second screenshot:

File tree:
- FrmUpdateSupplier.java
- banner.png
- menu_bg.png
- mn_bg.jpg
- images
- Test Packages
  - ec.edu.espe.stylesirelia.controller
    - BasicControllerTest.java
    - CustomerControllerTest.java
- Libraries
- Test Libraries
- StylistIrelia

testRead_Document - Navigator
Members / <empty>
- BasicControllerTest
  - BasicControllerTest()
  - setUp()
  - setUpClass()
  - tearDown()
  - tearDownClass()
  - testCreate()

```java
122      */
123     @Test
124     public void testRead_Document() {
125         System.out.println("read");
126         Connection.connectionDataBase();
127         StylistController stylistController = new StylistController();
128         Document document = new Document();
129         document.append("_id", new ObjectId("62da0cca5d5a16610efa0234"))
130                 .append("identificationCard", "1755231683").append("name", "Mero")
131                 .append("number", "12")
132                 .append("payment", 12.0)
133                 .append("appointment", "13-07-2022")
134                 .append("address", "asd");
135
136         Document expResult = document;
137         Document result = stylistController.read(document);
138         assertEquals(expResult, result);
139
140     }
141
142     /**
143      * Test of delete method, of class BasicController.
```

Test Results

StylesIrelia ×

Tests passed: 0,00 %

No test passed, 1 test failed. (3,242 s)
- ec.edu.espe.stylesirelia.controller.BasicControllerTest Failed
  - testRead_Document Failed: expected:<Document{{_id=62da0cca5d5a16610efa0234, identificationCard=1755231683, name=Mero, number=12, payment=12.0, appointment=13-07-202...