

AUDITORIA E QUALIDADE DE SOFTWARE 🗨️

Professor: Willians Santos

Elaboração de testes de validações do aplicativo web Loja Virtual.

- **TESTES JUnit/JWebUnit**

Completar com caracteres arquivos para visualização dos produtos

```
1 package utils;
2
3 import static org.junit.jupiter.api.Assertions.assertEquals;
4
5
6 public class UtilitariosTest {
7
8
9     @Test
10     public void testCompletarCaracteres() {
11         assertEquals("00055", Utilitarios.completarCaracteres("55", "0", 5, "E"));
12         assertEquals("55000", Utilitarios.completarCaracteres("55", "0", 5, "D"));
13         assertEquals("66666", Utilitarios.completarCaracteres("66666", "0", 5, "D"));
14     }
15
16 }
17
```

Validação do login, utilizando e-mail/senha

App - LojaVirtual/src/test/java/web/publico/LoginTest.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer: LojaVirtual

- Deployment Descriptor: LojaVirtual
- JAX-WS Web Services
- Java Resources
 - src/main/java
 - src/main/resources
 - src/test/java
 - utils
 - UtilitariosTest.java
 - UtilitariosTest
 - web.publico
 - IndexTest.java
 - LoginTest.java
 - prepare(): void
 - testLogin(): void
 - src/test/resources
 - src/main/webapp
 - Libraries
 - JavaScript Resources
 - Deployed Resources
 - src
 - target
 - bd.sql

Editor: LoginTest.java

```

11
12 import static net.sourceforge.jwebunit.junit.JWebUnit.*;
13
14 public class LoginTest {
15
16     @Before
17     public void prepare() {
18         setTestingEngineKey(TestingEngineRegistry.TESTING_ENGINE_HTMLUNIT);
19         setBaseUrl("http://localhost:8080/LojaVirtual");
20     }
21
22     @Test
23     public void testLogin() {
24         // Chama a index e testa ela
25         beginAt("publico/index.xhtml");
26         assertEquals("Loja Virtual versão 2.0");
27
28         // Chama a area administrativa
29         beginAt("admin/principal.xhtml");
30         assertEquals("Login");
31
32         // Preenche os dados do login
33         setTextField("j_username", "email01");
34         setTextField("j_password", "01");
35
36         // Clica no botao login
37         clickButton("btn-logar");
38
39         // Testa a area administrativa
40         assertEquals("Área Administrativa");
41     }
42

```

JUnit: Finished after 5,805
Runs: 1/1
web.publico

Failure Trace

Tela inicial

App - LojaVirtual/src/test/java/web/publico/IndexTest.java - Eclipse

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 - UtilitariosTest
 - web.publico
 - IndexTest.java
 - LoginTest.java
 - src/test/resources

Editor: IndexTest.java

```

1 package web.publico;
2
3 import static net.sourceforge.jwebunit.junit.JWebUnit.*;
4
5 public class IndexTest {
6
7     @Before
8     public void prepare() {
9         setTestingEngineKey(TestingEngineRegistry.TESTING_ENGINE_HTMLUNIT);
10        setBaseUrl("http://localhost:8080/LojaVirtual");
11    }
12
13    @Test
14    public void testMenuInicio() {
15        beginAt("publico/index.xhtml");
16        assertEquals("Loja Virtual versão 2.0");
17    }
18

```

JUnit: Finished after 3,765
Runs: 1/1
web.publico

Failure Trace

Tela de cadastro do cliente

App - LojaVirtual/src/test/java/web/publico/IndexTest.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer: LojaVirtual

- Deployment Descriptor: LojaVirtual
- JAX-WS Web Services
- Java Resources
 - src/main/java
 - src/main/resources
 - src/test/java
 - utils
 - UtilitariosTest.java
 - UtilitariosTest
 - web.publico
 - IndexTest.java
 - LoginTest.java
 - src/test/resources

Editor: IndexTest.java

```

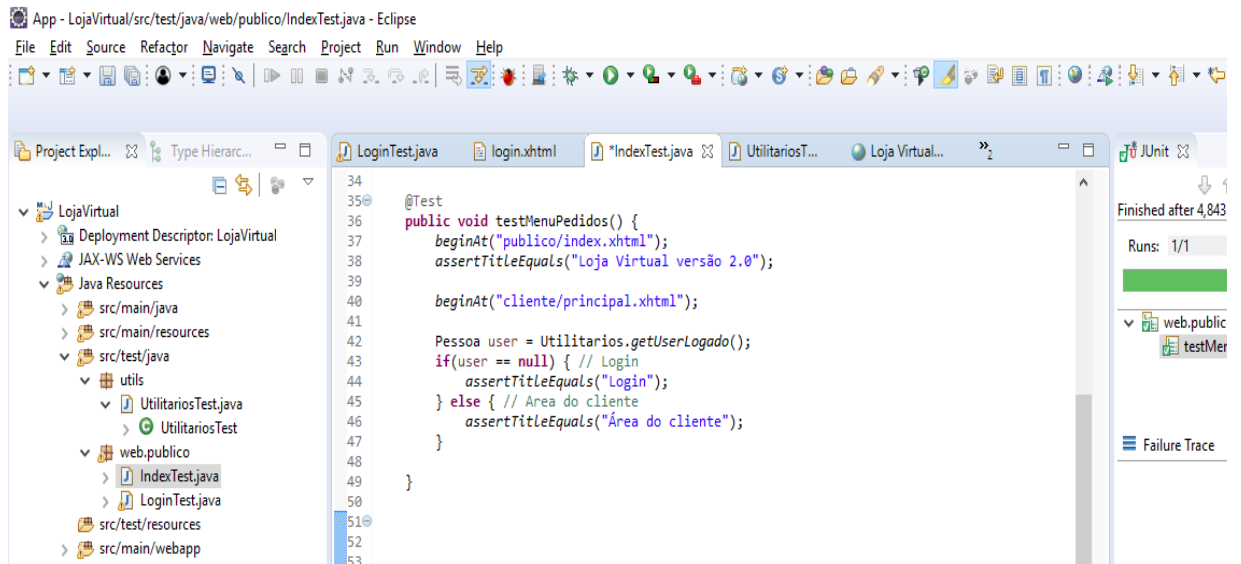
24 }
25
26 @Test
27 public void testMenuCliente() {
28     beginAt("publico/index.xhtml");
29     assertEquals("Loja Virtual versão 2.0");
30
31     beginAt("publico/form.pessoa.xhtml");
32     assertEquals("Formulário de pessoas");
33 }
34
35
36
37
38
39
40
41

```

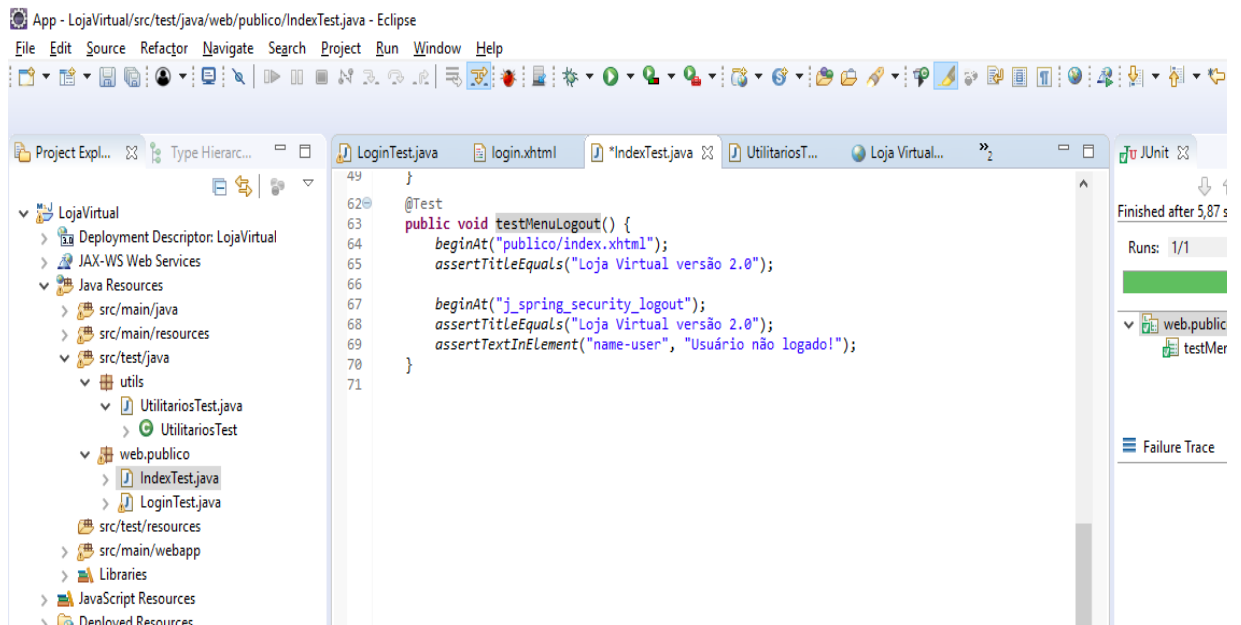
JUnit: Finished after 4,743
Runs: 1/1
web.publico
testMer

Failure Trace

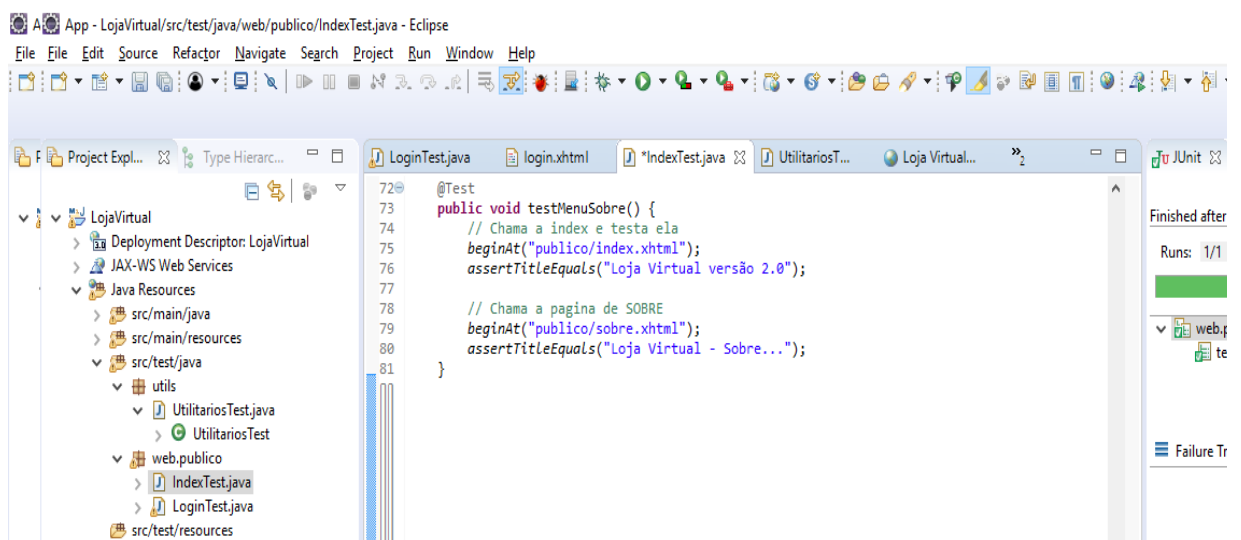
Tela de pedidos de cliente logado



Validação do logout



Tela SOBRE



- **Controle de Versão - *GitHub***

Link: www.github.com/GestaoMasterLTDA

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