

Fatec – Curso: Análise e Desenvolvimento de Sistemas
Disciplina – Teste de Software
Prof. Edson Saraiva de Almeida
Técnica de Selenium-WebDriver
Relatório de Teste

Projeto – SCEL – Sistema de Controle de Empréstimo e Devolução de Livros
Versão 2.0
Ambiente de Teste - <https://ts-scel.herokuapp.com/>
Data - 06/05/2021
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Scripts:

REQ01-CT01

```
import org.junit.Test; import org.junit.Before; import
org.junit.After; import static org.junit.Assert.*; import
static org.hamcrest.CoreMatchers.is; import static
org.hamcrest.core.IsNot.not; import
org.openqa.selenium.By; import
org.openqa.selenium.WebDriver; import
org.openqa.selenium.firefox.FirefoxDriver; import
org.openqa.selenium.chrome.ChromeDriver; import
org.openqa.selenium.remote.RemoteWebDriver;
import org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.Dimension;
import org.openqa.selenium.WebElement; import
org.openqa.selenium.interactions.Actions; import
org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Alert;
import org.openqa.selenium.Keys;
import java.util.*;
import java.net.MalformedURLException;
import java.net.URL;
public class REQ01CT01CadastroComSucessoTest {
    private WebDriver driver;    private
Map<String,    Object>    vars;
```

```

JavascriptExecutor js;  @Before  public
void setUp() {          driver = new
ChromeDriver();         js  =
(JavascriptExecutor) driver;  vars = new
HashMap<String, Object>();
}
  @After  public void
tearDown()              {
driver.quit();
}
  @Test  public void rEQ01CT01CadastroComSucesso() {  driver.get("https://ts-
scel.herokuapp.com/login");  driver.manage().window().setSize(new Dimension(1440,
780));  driver.findElement(By.name("username")).click();
driver.findElement(By.name("username")).sendKeys("jose");
driver.findElement(By.name("password")).click();
driver.findElement(By.name("password")).sendKeys("123");
driver.findElement(By.cssSelector("button")).click();
driver.findElement(By.linkText("Livros")).click();
driver.findElement(By.id("isbn")).click();
driver.findElement(By.id("isbn")).sendKeys("3265");
driver.findElement(By.id("autor")).click();
driver.findElement(By.id("autor")).sendKeys("Joana");
driver.findElement(By.id("titulo")).click();
driver.findElement(By.id("titulo")).sendKeys("Arraia");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
    assertThat(driver.findElement(By.cssSelector(".panel-title")).getText(), is("Lista de livros"));
}
}

```

REQ01-CT02

```

import org.junit.Test; import
org.junit.Before; import
org.junit.After; import static
org.junit.Assert.*; import static
org.hamcrest.CoreMatchers.is; import
static org.hamcrest.core.IsNot.not;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import

```

```

org.openqa.selenium.firefox.FirefoxDriver; import
org.openqa.selenium.chrome.ChromeDriver; import
org.openqa.selenium.remote.RemoteWebDriver; import
org.openqa.selenium.remote.DesiredCapabilities; import
org.openqa.selenium.Dimension;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.interactions.Actions; import
org.openqa.selenium.support.ui.ExpectedConditions; import
org.openqa.selenium.support.ui.WebDriverWait; import
org.openqa.selenium.JavascriptExecutor; import
org.openqa.selenium.Alert; import
org.openqa.selenium.Keys; import
java.util.*; import
java.net.MalformedURLException;
import java.net.URL; public class
REQ01CT02CadastroInvalidoTest {
    private
    WebDriver driver; private Map<String,
    Object> vars; JavascriptExecutor js;
    @Before public void setUp() { driver
    = new ChromeDriver(); js =
    (JavascriptExecutor) driver; vars = new
    HashMap<String, Object>();
    }
    @After public void
    tearDown() {
    driver.quit(); }
    @Test public void rEQ01CT02CadastroInvalido() { driver.get("https://ts-
    scel.herokuapp.com/login"); driver.manage().window().setSize(new
    Dimension(1440, 780)); driver.findElement(By.name("username")).click();
    driver.findElement(By.name("username")).sendKeys("jose");
    driver.findElement(By.name("password")).click();

```

```

driver.findElement(By.name("password")).sendKeys("163");
driver.findElement(By.cssSelector("button")).click();
driver.findElement(By.linkText("Livros")).click();
driver.findElement(By.id("isbn")).click(); driver.findElement(By.id("isbn")).click();
driver.findElement(By.id("isbn")).sendKeys("4003");
driver.findElement(By.id("autor")).click();
driver.findElement(By.id("autor")).sendKeys("Mariele");
driver.findElement(By.id("titulo")).click();
driver.findElement(By.id("titulo")).sendKeys("Arraia45");
driver.findElement(By.cssSelector("btn:nth-child(1)")).click();
    assertThat(driver.findElement(By.cssSelector(".text-danger")).getText(), is("Livro ja cadastrado"));
}
}

```

REQ01-CT03

```

import org.junit.Test; import org.junit.Before; import
org.junit.After; import static org.junit.Assert.*; import
static org.hamcrest.CoreMatchers.is; import static
org.hamcrest.core.IsNot.not; import
org.openqa.selenium.By; import
org.openqa.selenium.WebDriver; import
org.openqa.selenium.firefox.FirefoxDriver; import
org.openqa.selenium.chrome.ChromeDriver; import
org.openqa.selenium.remote.RemoteWebDriver;
import org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.Dimension; import
org.openqa.selenium.WebElement; import
org.openqa.selenium.interactions.Actions; import
org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Alert;
import org.openqa.selenium.Keys;
import java.util.*; import
java.net.MalformedURLException; import
java.net.URL;
public class REQ01CT03CadastroInvalido3CarTest {
    private WebDriver driver;
private Map<String, Object> vars;
JavascriptExecutor js; @Before public

```

```

void setUp() {          driver = new
ChromeDriver();          js    =
(JavascriptExecutor) driver;  vars = new
HashMap<String, Object>();
}
@After public void tearDown()
{
    driver.quit();
}
@Test public void rEQ01CT03CadastroInvalido3Car() { driver.get("https://ts-
scl.herokuapp.com/login"); driver.manage().window().setSize(new Dimension(1440,
780)); driver.findElement(By.name("username")).click();
driver.findElement(By.name("username")).sendKeys("jose");
driver.findElement(By.name("password")).click();
driver.findElement(By.name("password")).sendKeys("123");
driver.findElement(By.cssSelector("button")).click();
driver.findElement(By.linkText("Livros")).click();
driver.findElement(By.id("isbn")).click();
driver.findElement(By.id("isbn")).sendKeys("627");
driver.findElement(By.id("autor")).click();
driver.findElement(By.id("autor")).sendKeys("Pluto");
driver.findElement(By.id("titulo")).click();
driver.findElement(By.id("titulo")).sendKeys("Avasal");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
    assertThat(driver.findElement(By.cssSelector(".text-danger:nth-child(3)")).getText(), is("ISBN deve ter 4 caracteres"));
}
}

```

REQ01-CT04

```

org.junit.Test; import org.junit.Before;
import org.junit.After; import static
org.junit.Assert.*; import static
org.hamcrest.CoreMatchers.is; import static
org.hamcrest.core.IsNot.not; import
org.openqa.selenium.By; import
org.openqa.selenium.WebDriver; import
org.openqa.selenium.firefox.FirefoxDriver;
import
org.openqa.selenium.chrome.ChromeDriver;

```

```

import
org.openqa.selenium.remote.RemoteWebDriver;
import
org.openqa.selenium.remote.DesiredCapabilit
ies; import org.openqa.selenium.Dimension;
import org.openqa.selenium.WebElement; import
org.openqa.selenium.interactions.Actions;
import
org.openqa.selenium.support.ui.ExpectedCond
itions; import
org.openqa.selenium.support.ui.WebDriverWai
t; import
org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Alert; import
org.openqa.selenium.Keys; import java.util.*;
import java.net.MalformedURLException; import
java.net.URL;
public class REQ01CT04CadastroInvalido5CarTest {
private WebDriver driver;  private Map<String, Object>
vars;
    JavascriptExecutor js;  @Before  public
void setUp() {  driver = new
ChromeDriver();  js =
(JavascriptExecutor) driver;  vars =
new HashMap<String, Object>();
    }  @After  public void
tearDown() {  driver.quit();
    }  @Test  public void rEQ01CT04CadastroInvalido5Car() {
driver.get("https://ts-
scel.herokuapp.com/login");  driver.manage().window().setSize(new Dimension(1440, 780));
driver.findElement(By.name("username")).click();
driver.findElement(By.name("username")).sendKeys("jose");
driver.findElement(By.name("password")).click();
driver.findElement(By.name("password")).sendKeys("123");
driver.findElement(By.cssSelector("button")).click();
driver.findElement(By.linkText("Livros")).click();  driver.findElement(By.id("isbn")).click();
driver.findElement(By.id("isbn")).sendKeys("14546");
driver.findElement(By.id("autor")).click();
    driver.findElement(By.id("autor")).sendKeys("Bernado");

```

```

driver.findElement(By.id("titulo")).click();
driver.findElement(By.id("titulo")).sendKeys("Arraia");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
    assertThat(driver.findElement(By.cssSelector(".text-danger:nth-child(3)")).getText(), is("ISBN deve ter 4
caracteres"));
}
}

```

REQ02-CT01

```

import org.junit.Test; import org.junit.Before;
import org.junit.After; import static
org.junit.Assert.*; import static
org.hamcrest.CoreMatchers.is; import static
org.hamcrest.core.IsNot.not; import
org.openqa.selenium.By; import
org.openqa.selenium.WebDriver; import
org.openqa.selenium.firefox.FirefoxDriver; import
org.openqa.selenium.chrome.ChromeDriver; import
org.openqa.selenium.remote.RemoteWebDriver;
import
org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.Dimension; import
org.openqa.selenium.WebElement; import
org.openqa.selenium.interactions.Actions; import
org.openqa.selenium.support.ui.ExpectedCondition
s; import
org.openqa.selenium.support.ui.WebDriverWait;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Alert; import
org.openqa.selenium.Keys; import java.util.*;
import java.net.MalformedURLException; import
java.net.URL; public class
REQ01MantemAlunoTests { private WebDriver
driver; private Map<String, Object> vars;

```

```

    JavascriptExecutor js; @Before
public void setUp() {    driver =
new ChromeDriver();    js =
(JavascriptExecutor) driver;
    vars = new HashMap<String, Object>();
}
    @After public void
tearDown() {
driver.quit(); }

    @Test public void rEQ01MantemAlunos() {
driver.get("https://ts-scel.herokuapp.com/login");
driver.manage().window().setSize(new Dimension(1440, 780));
driver.findElement(By.name("username")).click();
driver.findElement(By.name("username")).sendKeys("maria");
driver.findElement(By.name("password")).click();
driver.findElement(By.name("password")).sendKeys("456");
driver.findElement(By.cssSelector("button")).click();
driver.findElement(By.linkText("Alunos")).click();
driver.findElement(By.id("ra")).click();
driver.findElement(By.id("ra")).sendKeys("8421");
driver.findElement(By.id("nome")).click();
driver.findElement(By.id("nome")).sendKeys("Martha");
driver.findElement(By.id("email")).sendKeys("marianasilva02@g
mail.com");

    driver.findElement(By.id("cep")).click();
driver.findElement(By.id("cep")).click();
driver.findElement(By.id("cep")).sendKeys("63021187");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
driver.findElement(By.cssSelector(".container-fluid")).click();
    assertThat(driver.findElement(By.cssSelector("h3")).getText(), is("Sistema de Controle de Emprestimo"));
}
}

```


REQ02-CT02

```
import org.junit.Test; import org.junit.Before; import
org.junit.After; import static org.junit.Assert.*; import static
org.hamcrest.CoreMatchers.is; import static
org.hamcrest.core.IsNot.not; import
org.openqa.selenium.By; import
org.openqa.selenium.WebDriver; import
org.openqa.selenium.firefox.FirefoxDriver; import
org.openqa.selenium.chrome.ChromeDriver; import
org.openqa.selenium.remote.RemoteWebDriver; import
org.openqa.selenium.remote.DesiredCapabilities; import
org.openqa.selenium.Dimension; import
org.openqa.selenium.WebElement; import
org.openqa.selenium.interactions.Actions; import
org.openqa.selenium.support.ui.ExpectedConditions; import
org.openqa.selenium.support.ui.WebDriverWait; import
org.openqa.selenium.JavascriptExecutor; import
org.openqa.selenium.Alert; import
org.openqa.selenium.Keys; import java.util.*; import
java.net.MalformedURLException; import java.net.URL;
public class REQ02MantemAlunosExcecoesTestsTest {
    private WebDriver driver;
private Map<String, Object> vars;
    JavascriptExecutor js;  @Before
public void setUp() {    driver =
new ChromeDriver();    js =
(JavascriptExecutor) driver;
    vars = new HashMap<String, Object>();
}
    @After public void
tearDown() {
driver.quit(); }
    @Test public void rEQ02MantemAlunosExcecoesTests() {
driver.get("https://ts-scel.herokuapp.com/login");
driver.manage().window().setSize(new Dimension(1440, 780));
driver.findElement(By.name("username")).click();
driver.findElement(By.name("username")).sendKeys("maria");
driver.findElement(By.name("password")).click();
driver.findElement(By.name("password")).sendKeys("456");
driver.findElement(By.cssSelector("button")).click();
driver.findElement(By.linkText("Alunos")).click();
driver.findElement(By.id("ra")).click();
driver.findElement(By.id("ra")).click();
driver.findElement(By.id("ra")).sendKeys("623");
driver.findElement(By.id("nome")).click();
driver.findElement(By.id("nome")).sendKeys("Marielle");
driver.findElement(By.id("email")).click();
```

```

driver.findElement(By.id("email")).sendKeys("nmariro@hotmail.com");
driver.findElement(By.id("cep")).click(); driver.findElement(By.id("cep")).sendKeys("08060-
001"); driver.findElement(By.id("cep")).click();
driver.findElement(By.id("cep")).sendKeys("08060001");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
driver.findElement(By.cssSelector(".col-md-4")).click();
assertThat(driver.findElement(By.cssSelector(".text-danger:nth-child(3)")).getText(), is("RA deve ter 4 caracteres"));
}
}

```

ID	Objetivo	Téc.teste CE/AVL	Resultado satisfatório/insat.	Observações
REQ01-CT01	Validar o comportamento do sistema no cadastro de livro com sucesso	CE	satisfatório	O Script inseriu o livro com sucesso.
REQ01-CT02	Validar o comportamento do sistema no cadastro de livro inválido – ISBN já cadastrado.	CE	satisfatório	O Script identificou que o livro já estava cadastrado efetuando a busca pelo erro “Livro já cadastrado”.
REQ01-CT03	Validar o comportamento do sistema no cadastro de livro inválido – ISBN com 3 caracteres	AVL	satisfatório	O Script identificou que o ISBN estava incorreto efetuando a busca pelo erro “ISBN deve ter 4 caracteres”.
REQ01-CT04	Validar o comportamento do sistema no cadastro de livro inválido – ISBN com 5 caracteres	AVL	satisfatório	O Script identificou que o ISBN estava incorreto efetuando a busca pelo erro “ISBN deve ter 4 caracteres”.
REQ02-CT01	Validar o comportamento ao manter Aluno.	CE	satisfatório	O Script cadastro o aluno corretamente e fez a validação buscando a frase: "Sistema de Controle de Emprestimo".
REQ02-CT02	Validar o comportamento ao registrar aluno com R.A com 3 caracteres.	AVL	satisfatório	O Script identificou que o R.A estava incorreto efetuando a busca pelo erro “"RA deve ter 4 caracteres"”.