

// Generated by Selenium IDE

//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 REQ01CT01CadastrarLivroComSucessoTest {
    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 rEQ01CT01CadastrarLivroComSucesso() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).sendKeys("jose");

    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")).click();

    driver.findElement(By.id("isbn")).sendKeys("4567");

    driver.findElement(By.id("autor")).click();

    driver.findElement(By.id("autor")).sendKeys("Jose Alright");

    driver.findElement(By.id("titulo")).sendKeys("Teste do Jose");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

    driver.findElement(By.cssSelector("html")).click();

}

}

```

```
//REQ01-CT02

// Generated by Selenium IDE

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 REQ01CT02EditarLivroComSucessoTest {

    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 rEQ01CT02EditarLivroComSucesso() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).sendKeys("jose");

    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")).click();

    driver.findElement(By.cssSelector("html")).click();

    driver.findElement(By.linkText("Lista de Livros")).click();

    driver.findElement(By.cssSelector("tr:nth-child(3) .btn-primary")).click();

    driver.findElement(By.id("titulo")).click();

    driver.findElement(By.id("titulo")).sendKeys("Teste do Jose");

    driver.findElement(By.cssSelector(".btn")).click();
}
}

```

```

//REQ01-CT03

// Generated by Selenium IDE

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 REQ01CT03ExcluirLivroComSucessoTest {

    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 rEQ01CT03ExcluirLivroComSucesso() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).sendKeys("jose");

    driver.findElement(By.name("password")).sendKeys("123");

    driver.findElement(By.cssSelector("button")).click();

    driver.findElement(By.linkText("Livros")).click();

    driver.findElement(By.linkText("Livros")).click();

    driver.findElement(By.linkText("Lista de Livros")).click();

    driver.findElement(By.cssSelector("tr:nth-child(1) .delete")).click();
}
}

```

```
//REQ02-CT01

// Generated by Selenium IDE

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 REQ02CT01CadastrolsbnInvalidoTest {
    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 rEQ02CT01CadastralsbnInvalido() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1080, 975));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).sendKeys("jose");

    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("123");

    driver.findElement(By.id("autor")).click();

    driver.findElement(By.id("autor")).sendKeys("Fulano");

    driver.findElement(By.id("titulo")).sendKeys("Aula de testes");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

}

}

```



```
//REQ02-CT02

// Generated by Selenium IDE

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 REQ02CT02CadastralsbnJaCadastradoTest {

    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 rEQ02CT02CadastralsbnJaCadastrado() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1265, 975));

    driver.findElement(By.cssSelector(".form")).click();

    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.cssSelector(".col-md-4")).click();

    driver.findElement(By.id("isbn")).click();

    driver.findElement(By.id("isbn")).sendKeys("1234");

    driver.findElement(By.id("autor")).click();

    driver.findElement(By.id("autor")).sendKeys("Fulano");

    driver.findElement(By.cssSelector(".row:nth-child(4) > .col-md-8")).click();

    driver.findElement(By.id("titulo")).click();

    driver.findElement(By.id("titulo")).sendKeys("Aula de testes");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

    driver.findElement(By.cssSelector("body")).click();

    driver.findElement(By.id("autor")).click();
}

```

```
driver.findElement(By.id("autor")).click();
{
    WebElement element = driver.findElement(By.id("autor"));
    Actions builder = new Actions(driver);
    builder.doubleClick(element).perform();
}
driver.findElement(By.id("autor")).click();
driver.findElement(By.id("autor")).sendKeys("Ciclano");
driver.findElement(By.id("titulo")).sendKeys("Aula de testes2");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
}
}
```

```
//REQ02-CT03

// Generated by Selenium IDE

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 REQ02CT03CadastroTituloInvalidoTest {

    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 rEQ02CT03CadastroTituloInvalido() {
    driver.get("https://ts-scel.herokuapp.com/login");
    driver.manage().window().setSize(new Dimension(1265, 975));
    driver.findElement(By.name("username")).click();
    driver.findElement(By.name("username")).sendKeys("jose");
    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("1234");
    driver.findElement(By.id("autor")).click();
    driver.findElement(By.id("autor")).sendKeys("Fulano");
    driver.findElement(By.cssSelector(".row:nth-child(4) > .col-md-8")).click();
    driver.findElement(By.id("titulo")).click();
    driver.findElement(By.cssSelector("body")).click();
    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
    driver.findElement(By.id("titulo")).click();

    driver.findElement(By.id("titulo")).sendKeys("bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb  

    bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb  

    bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

```

}

}

```
//REQ02-CT04

// Generated by Selenium IDE

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 REQ02CT04CadastroaAutorInvalidoTest {

    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 rEQ02CT04CadastroaAutorInvalido() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1265, 975));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).sendKeys("jose");

    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("1234");

    driver.findElement(By.id("autor")).click();

    driver.findElement(By.id("titulo")).click();

    driver.findElement(By.id("titulo")).sendKeys("Aula de testes");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

    driver.findElement(By.id("autor")).click();

    driver.findElement(By.id("autor")).sendKeys("aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
}
}

```



```
//REQ02-CT04

// Generated by Selenium IDE

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 REQ02CT04CadastroaAutorInvalidoTest {

    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 rEQ02CT04CadastroaAutorInvalido() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1265, 975));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).sendKeys("jose");

    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("1234");

    driver.findElement(By.id("autor")).click();

    driver.findElement(By.id("titulo")).click();

    driver.findElement(By.id("titulo")).sendKeys("Aula de testes");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

    driver.findElement(By.id("autor")).click();


    driver.findElement(By.id("autor")).sendKeys("aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

}

}

```

```
//REQ03-CT01

// Generated by Selenium IDE

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 REQ03CT01CadastroAlunoComSucessoTest {

    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 rEQ03CT01CadastroAlunoComSucesso() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1265, 975));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).sendKeys("maria");

    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("9642");

    driver.findElement(By.id("nome")).sendKeys("Fulano");

    driver.findElement(By.id("email")).sendKeys("fulano@fatec.sp.gov.br");

    driver.findElement(By.cssSelector("body")).click();

    driver.findElement(By.cssSelector("body")).click();

    driver.findElement(By.id("nome")).sendKeys("ciclano");

    driver.findElement(By.cssSelector(".row:nth-child(4) > .form-group")).click();

    driver.findElement(By.id("email")).sendKeys("ciclano@fatec.sp.gov.br");

    driver.findElement(By.cssSelector(".row:nth-child(2) > .col-md-8:nth-child(1)")).click();

    driver.findElement(By.id("cep")).click();

    driver.findElement(By.cssSelector("body")).click();

    driver.findElement(By.id("cep")).sendKeys("03276110");

    driver.findElement(By.cssSelector("html")).click();

```

```
    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();  
  }  
}
```

```
//REQ03-CT02

// Generated by Selenium IDE

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 REQ03CT02ConsultarUsuarioTest {

    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();
}

public String waitForWindow(int timeout) {
    try {
        Thread.sleep(timeout);
    } catch (InterruptedException e) {
        e.printStackTrace();
    }
    Set<String> whNow = driver.getWindowHandles();
    Set<String> whThen = (Set<String>) vars.get("window_handles");
    if (whNow.size() > whThen.size()) {
        whNow.removeAll(whThen);
    }
    return whNow.iterator().next();
}

@Test
public void rEQ03CT02ConsultarUsuario() {
    driver.get("https://ts-scel.herokuapp.com/login");
    driver.manage().window().setSize(new Dimension(1265, 975));
    driver.findElement(By.name("username")).click();
    driver.findElement(By.name("username")).sendKeys("maria");
    driver.findElement(By.name("password")).sendKeys("456");
    driver.findElement(By.cssSelector("button")).click();
    driver.findElement(By.linkText("Alunos")).click();
    vars.put("window_handles", driver.getWindowHandles());
}

```

```
driver.findElement(By.cssSelector(".btn:nth-child(2)")).click();
vars.put("win6934", waitForWindow(2000));
driver.switchTo().window(vars.get("win6934").toString());
}
}
```



```
//REQ03-CT03

// Generated by Selenium IDE

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 REQ03CT03EdicaoAlteracaoExclusaoTest {

    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();
}

public String waitForWindow(int timeout) {
    try {
        Thread.sleep(timeout);
    } catch (InterruptedException e) {
        e.printStackTrace();
    }
    Set<String> whNow = driver.getWindowHandles();
    Set<String> whThen = (Set<String>) vars.get("window_handles");
    if (whNow.size() > whThen.size()) {
        whNow.removeAll(whThen);
    }
    return whNow.iterator().next();
}

@Test
public void rEQ03CT03EdicaoAlteracaoExclusao() {
    driver.get("https://ts-scel.herokuapp.com/login");
    driver.manage().window().setSize(new Dimension(1265, 975));
    driver.findElement(By.name("username")).click();
    driver.findElement(By.name("username")).sendKeys("maria");
    driver.findElement(By.name("password")).sendKeys("456");
    driver.findElement(By.cssSelector("button")).click();
    driver.findElement(By.linkText("Alunos")).click();
    vars.put("window_handles", driver.getWindowHandles());
}

```

```
driver.findElement(By.cssSelector(".btn:nth-child(2)")).click();
vars.put("win4639", waitForWindow(2000));
driver.switchTo().window(vars.get("win4639").toString());
driver.findElement(By.cssSelector("tr:nth-child(4) .btn-primary")).click();
driver.findElement(By.cssSelector(".container")).click();
driver.findElement(By.id("nome")).sendKeys("ciclano atualizado");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
driver.findElement(By.cssSelector("tr:nth-child(4) .delete")).click();
}
}
```

```
//REQ04-CT01
// Generated by Selenium IDE

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 REQ04CT01RAInvalido3digitosTest {
    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 rEQ04CT01RAInvalido3digitos() {

    driver.get("https://ts-scel.herokuapp.com/");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.linkText("Alunos")).click();

    driver.findElement(By.id("ra")).click();

    driver.findElement(By.id("ra")).sendKeys("123");

    driver.findElement(By.id("nome")).sendKeys("Aluno Teste");

    driver.findElement(By.id("email")).sendKeys("aluno@teste.com.br");

    driver.findElement(By.id("cep")).sendKeys("01511000");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

}

}
```

```
//REQ04-CT02

// Generated by Selenium IDE

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 REQ04CT02RAInvalido5DigitosTest {

    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 rEQ04CT02RAInvalido5Digitos() {

    driver.get("https://ts-scel.herokuapp.com/");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.linkText("Alunos")).click();

    driver.findElement(By.id("ra")).click();

    driver.findElement(By.id("ra")).sendKeys("12345");

    driver.findElement(By.id("nome")).sendKeys("Aluno Teste");

    driver.findElement(By.id("email")).sendKeys("aluno@teste.com.br");

    driver.findElement(By.id("cep")).sendKeys("01511000");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
}
}
```

```
//REQ04-CT03

// Generated by Selenium IDE

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 REQ04CT03RARepetidoTest {

    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 rEQ04CT03RARepetido() {

    driver.get("https://ts-scel.herokuapp.com/");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.linkText("Alunos")).click();

    driver.findElement(By.id("ra")).click();

    driver.findElement(By.id("ra")).sendKeys("1234");

    driver.findElement(By.id("nome")).sendKeys("Aluno Teste");

    driver.findElement(By.id("email")).sendKeys("aluno@teste.com.br");

    driver.findElement(By.id("cep")).sendKeys("01511000");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

}

}
```

```

//REQ04-CT04

// Generated by Selenium IDE

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 REQ04CT04NomeVlidoTest {

    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 rEQ04CT04NomeVlido() {

    driver.get("https://ts-scel.herokuapp.com/");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.linkText("Alunos")).click();

    driver.findElement(By.id("ra")).click();

    driver.findElement(By.id("ra")).sendKeys("5647");

    driver.findElement(By.id("nome")).sendKeys("Aluno Teste");

    driver.findElement(By.id("email")).sendKeys("aluno@teste.com.br");

    driver.findElement(By.id("cep")).sendKeys("01511000");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
}
}
```

```
//REQ04-CT05

// Generated by Selenium IDE

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 REQ04CT05Email0CaracteresTest {

    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 rEQ04CT05Email0Caracteres() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.cssSelector("body")).click();

    driver.findElement(By.name("username")).sendKeys("jose");

    driver.findElement(By.name("password")).sendKeys("123");

    driver.findElement(By.cssSelector("button")).click();

    driver.findElement(By.linkText("Alunos")).click();

    driver.findElement(By.id("ra")).click();

    driver.findElement(By.id("ra")).sendKeys("2564");

    driver.findElement(By.id("nome")).sendKeys("Teste Email");

    driver.findElement(By.id("cep")).sendKeys("01511000");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
}
}

```

```
//REQ04-CT06

// Generated by Selenium IDE

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 REQ04CT06Email51caracteres1Test {

    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 rEQ04CT06Email51caracteres1() {

    driver.get("https://ts-scel.herokuapp.com/");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.linkText("Alunos")).click();

    driver.findElement(By.id("ra")).click();

    driver.findElement(By.id("ra")).sendKeys("3145");

    driver.findElement(By.id("nome")).sendKeys("Aluno Teste");

    driver.findElement(By.id("email")).sendKeys("testeeeeeeeetesteeeeeee@testeeeeeeeetesteeeeee
eee.com.br");

    driver.findElement(By.id("cep")).sendKeys("01511000");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

}
}

```

```
//REQ04-CT07

// Generated by Selenium IDE

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 REQ04CT07Cep7CaracteresTest {

    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 rEQ04CT07Cep7Caracteres() {

    driver.get("https://ts-scel.herokuapp.com/");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.linkText("Alunos")).click();

    driver.findElement(By.id("ra")).click();

    driver.findElement(By.id("ra")).sendKeys("8471");

    driver.findElement(By.id("nome")).sendKeys("Aluno Teste");

    driver.findElement(By.id("email")).sendKeys("aluno@teste.com.br");

    driver.findElement(By.id("cep")).sendKeys("0151100");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
}
}
```

```
//REQ04-CT08

// Generated by Selenium IDE

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 REQ04CT08Cep9CaracteresTest {

    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 rEQ04CT08Cep9Caracteres() {

    driver.get("https://ts-scel.herokuapp.com/");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.linkText("Alunos")).click();

    driver.findElement(By.id("ra")).click();

    driver.findElement(By.id("ra")).sendKeys("8471");

    driver.findElement(By.id("nome")).sendKeys("Aluno Teste");

    driver.findElement(By.id("email")).sendKeys("aluno@teste.com.br");

    driver.findElement(By.id("cep")).sendKeys("0151100");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
}
}
```

```
//REQ05-CT01

// Generated by Selenium IDE

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 REQ05CT01CepVlidoTest {

    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 rEQ05CT01CepVlido() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1920, 780));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).sendKeys("maria");

    driver.findElement(By.name("password")).sendKeys("456");

    driver.findElement(By.name("password")).sendKeys(Keys.ENTER);

    driver.findElement(By.linkText("Alunos")).click();

    driver.findElement(By.id("ra")).click();

    driver.findElement(By.id("ra")).sendKeys("8888");

    driver.findElement(By.id("nome")).click();

    driver.findElement(By.id("nome")).sendKeys("josephino");

    driver.findElement(By.id("email")).sendKeys("j@j.com");

    driver.findElement(By.id("cep")).sendKeys("01310100");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

    driver.findElement(By.cssSelector("tr:nth-child(6)")).click();
}
}

```

```
//REQ05-CT02

// Generated by Selenium IDE

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 REQ05CT02CepInvalidoTest {

    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 rEQ05CT02CepInvldo() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1920, 780));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).sendKeys("maria");

    driver.findElement(By.name("password")).sendKeys("456");

    driver.findElement(By.name("password")).sendKeys(Keys.ENTER);

    driver.findElement(By.linkText("Alunos")).click();

    driver.findElement(By.id("ra")).click();

    driver.findElement(By.id("ra")).sendKeys("9999");

    driver.findElement(By.id("nome")).sendKeys("zezinho");

    driver.findElement(By.id("email")).sendKeys("z@z.com");

    driver.findElement(By.id("cep")).sendKeys("99999999");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

    driver.findElement(By.cssSelector("body")).click();

    driver.findElement(By.cssSelector(".row:nth-child(4)")).click();
}
}

```

```
//REQ06-CT01
// Generated by Selenium IDE

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 REQ06CT01RegistroDeEmprestimoTest {
    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();
}

public String waitForWindow(int timeout) {
    try {
        Thread.sleep(timeout);
    } catch (InterruptedException e) {
        e.printStackTrace();
    }
    Set<String> whNow = driver.getWindowHandles();
    Set<String> whThen = (Set<String>) vars.get("window_handles");
    if (whNow.size() > whThen.size()) {
        whNow.removeAll(whThen);
    }
    return whNow.iterator().next();
}

@Test
public void rEQ06CT01RegistroDeEmprestimo() {
    driver.get("https://ts-scel.herokuapp.com/");
    driver.manage().window().setSize(new Dimension(1265, 975));
    driver.findElement(By.linkText("Empréstimo")).click();
    driver.findElement(By.id("isbn")).click();
    driver.findElement(By.id("isbn")).sendKeys("1334");
    driver.findElement(By.id("ra")).click();
    driver.findElement(By.id("ra")).sendKeys("9765");
    driver.findElement(By.cssSelector(".card-body")).click();
}

```

```
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
vars.put("window_handles", driver.getWindowHandles());
driver.findElement(By.cssSelector(".btn:nth-child(2)")).click();
vars.put("win1376", waitForWindow(2000));
driver.switchTo().window(vars.get("win1376").toString());
driver.findElement(By.cssSelector("tr:nth-child(4) .btn")).click();
}
}
```

```
//REQ07-CT01

// Generated by Selenium IDE

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 REQ07CT01GravarDataDevoluoEmprestimo1Test {

    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 rEQ07CT01GravarDataDevoluoEmprestimo1() {
    driver.get("https://ts-scel.herokuapp.com/login");
    driver.manage().window().setSize(new Dimension(1417, 1029));
    driver.findElement(By.name("username")).click();
    driver.findElement(By.cssSelector("body")).click();
    {
        WebElement element = driver.findElement(By.cssSelector("body"));
        Actions builder = new Actions(driver);
        builder.doubleClick(element).perform();
    }
    driver.findElement(By.cssSelector("button")).click();
    driver.findElement(By.linkText("Empréstimo")).click();
    driver.findElement(By.id("isbn")).click();
    driver.findElement(By.id("isbn")).sendKeys("1239");
    driver.findElement(By.id("ra")).sendKeys("5647");
    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
}
}

```

```
//REQ07-CT02

// Generated by Selenium IDE

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 REQ07CT02GravarEmprestimoISBNAlunoTest {

    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 rEQ07CT02GravarEmprestimoISBNAluno() {
    driver.get("https://ts-scel.herokuapp.com/login");
    driver.manage().window().setSize(new Dimension(1417, 1029));
    driver.findElement(By.name("username")).click();
    driver.findElement(By.cssSelector("body")).click();
    {
        WebElement element = driver.findElement(By.cssSelector("body"));
        Actions builder = new Actions(driver);
        builder.doubleClick(element).perform();
    }
    driver.findElement(By.cssSelector("button")).click();
    driver.findElement(By.linkText("Empréstimo")).click();
    driver.findElement(By.id("isbn")).click();
    driver.findElement(By.id("isbn")).sendKeys("1239");
    driver.findElement(By.id("ra")).sendKeys("5647");
    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
}
}

```

```
//REQ08-CT01

// Generated by Selenium IDE

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 REQ08CT01TesteUsuarioNaoCadastradoTest {

    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 rEQ08CT01TesteUsuarioNaoCadastrado() {  
    driver.get("https://ts-scel.herokuapp.com/login");  
    driver.manage().window().setSize(new Dimension(1417, 1029));  
    driver.findElement(By.cssSelector("body")).click();  
    driver.findElement(By.name("username")).sendKeys("TESTE");  
    driver.findElement(By.name("password")).sendKeys("aleatoria");  
    driver.findElement(By.cssSelector("button")).click();  
}  
}
```



```
//REQ09-CT01

// Generated by Selenium IDE

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 REQ09CT01AcessoAlunoTest {

    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 rEQ09CT01AcessoAluno() {  
driver.get("https://ts-scel.herokuapp.com/login?error");  
driver.manage().window().setSize(new Dimension(1920, 780));  
driver.findElement(By.name("username")).click();  
driver.findElement(By.name("username")).click();  
driver.findElement(By.name("username")).sendKeys("jose");  
driver.findElement(By.name("password")).sendKeys("123");  
driver.findElement(By.cssSelector("button")).click();  
driver.findElement(By.linkText("Alunos")).click();  
driver.findElement(By.id("ra")).click();  
driver.findElement(By.id("ra")).sendKeys("4455");  
driver.findElement(By.id("nome")).click();  
driver.findElement(By.id("nome")).click();  
driver.findElement(By.id("nome")).sendKeys("Alisson");  
driver.findElement(By.id("email")).sendKeys("a@a.com");  
driver.findElement(By.id("cep")).sendKeys("01310100");  
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();  
driver.findElement(By.id("cep")).click();  
driver.findElement(By.id("cep")).click();  
driver.findElement(By.id("cep")).sendKeys("01310100");  
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();  
}}
```

```
//REQ09-CT02

// Generated by Selenium IDE

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 REQ09CT02AcessoLivrosTest {

    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 rEQ09CT02AcessoLivros() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1920, 780));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).sendKeys("jose");

    driver.findElement(By.name("password")).sendKeys("123");

    driver.findElement(By.name("password")).sendKeys(Keys.ENTER);

    driver.findElement(By.linkText("Livros")).click();

    driver.findElement(By.id("isbn")).click();

    driver.findElement(By.id("isbn")).sendKeys("9781405507677");

    driver.findElement(By.id("autor")).click();

    driver.findElement(By.id("autor")).sendKeys("Stephenie Meyer");

    driver.findElement(By.id("titulo")).click();

    driver.findElement(By.id("titulo")).sendKeys("Crepusculo");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

    driver.findElement(By.id("isbn")).click();

    driver.findElement(By.cssSelector(".row:nth-child(2)")).click();

    driver.findElement(By.id("isbn")).sendKeys("9781");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

    driver.findElement(By.cssSelector("html")).click();

    driver.findElement(By.cssSelector("tr:nth-child(3)")).click();
}
}

```

```
//REQ09-CT03

// Generated by Selenium IDE

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 REQ09CT03AcessoEmprestimoTest {

    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();
}

public String waitForWindow(int timeout) {
    try {
        Thread.sleep(timeout);
    } catch (InterruptedException e) {
        e.printStackTrace();
    }
    Set<String> whNow = driver.getWindowHandles();
    Set<String> whThen = (Set<String>) vars.get("window_handles");
    if (whNow.size() > whThen.size()) {
        whNow.removeAll(whThen);
    }
    return whNow.iterator().next();
}

@Test
public void rEQ09CT03AcessoEmprestimo() {
    driver.get("https://ts-scel.herokuapp.com/login");
    driver.manage().window().setSize(new Dimension(1920, 780));
    driver.findElement(By.name("username")).click();
    driver.findElement(By.name("username")).sendKeys("jose");
    driver.findElement(By.name("password")).sendKeys("123");
    driver.findElement(By.cssSelector("button")).click();
    driver.findElement(By.linkText("Empréstimo")).click();
    driver.findElement(By.id("isbn")).click();
}

```

```

driver.findElement(By.id("isbn")).sendKeys("9781");
driver.findElement(By.id("ra")).click();
driver.findElement(By.id("ra")).sendKeys("7777");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
driver.findElement(By.cssSelector(".card-body")).click();
driver.findElement(By.id("ra")).sendKeys("4455");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
driver.findElement(By.id("ra")).click();
driver.findElement(By.id("ra")).click();
{
    WebElement element = driver.findElement(By.id("ra"));
    Actions builder = new Actions(driver);
    builder.doubleClick(element).perform();
}
driver.findElement(By.id("ra")).click();
driver.findElement(By.id("ra")).click();
{
    WebElement element = driver.findElement(By.id("ra"));
    Actions builder = new Actions(driver);
    builder.doubleClick(element).perform();
}
driver.findElement(By.id("ra")).click();
driver.findElement(By.id("ra")).sendKeys("1234");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
vars.put("window_handles", driver.getWindowHandles());
driver.findElement(By.cssSelector(".btn:nth-child(2)")).click();
vars.put("win6213", waitForWindow(2000));
driver.switchTo().window(vars.get("win6213").toString());
driver.findElement(By.cssSelector("tr:nth-child(6)")).click();
}
}

```

```
//REQ10-CT01

// Generated by Selenium IDE

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 REQ10CT01MariaManterAlunoTest {

    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();
}

public String waitForWindow(int timeout) {
    try {
        Thread.sleep(timeout);
    } catch (InterruptedException e) {
        e.printStackTrace();
    }
    Set<String> whNow = driver.getWindowHandles();
    Set<String> whThen = (Set<String>) vars.get("window_handles");
    if (whNow.size() > whThen.size()) {
        whNow.removeAll(whThen);
    }
    return whNow.iterator().next();
}

@Test
public void rEQ10CT01MariaManterAluno() {
    driver.get("https://ts-scel.herokuapp.com/login");
    driver.manage().window().setSize(new Dimension(1417, 1029));
    driver.findElement(By.cssSelector("form")).click();
    driver.findElement(By.name("username")).sendKeys("maria");
    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("1425");
driver.findElement(By.id("nome")).sendKeys("Teste Maria");
driver.findElement(By.id("email")).sendKeys("maria@maria.com.br");
driver.findElement(By.id("cep")).sendKeys("01511000");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
driver.findElement(By.cssSelector("tr:nth-child(5) .delete")).click();
driver.findElement(By.cssSelector("tr:nth-child(5) .btn-primary")).click();
driver.findElement(By.id("nome")).click();
driver.findElement(By.id("nome")).sendKeys("Teste Maria Edit");
driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();
driver.findElement(By.linkText("Voltar")).click();
driver.findElement(By.linkText("Alunos")).click();
vars.put("window_handles", driver.getWindowHandles());
driver.findElement(By.cssSelector(".btn:nth-child(2)")).click();
vars.put("win3014", waitForWindow(2000));
driver.switchTo().window(vars.get("win3014").toString());
}
}
```

```
//REQ10-CT02

// Generated by Selenium IDE

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 REQ10CT02MariaManterLivroTest {

    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 rEQ10CT02MariaManterLivro() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.cssSelector("body")).click();

    driver.findElement(By.name("username")).sendKeys("maria");

    driver.findElement(By.name("password")).sendKeys("456");

    driver.findElement(By.cssSelector("button")).click();

    driver.findElement(By.linkText("Livros")).click();

    driver.findElement(By.id("isbn")).click();

    driver.findElement(By.id("isbn")).sendKeys("1425");

    driver.findElement(By.id("autor")).sendKeys("Maria Tester");

    driver.findElement(By.id("titulo")).sendKeys("Teste da Maria");

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

    driver.findElement(By.cssSelector("tr:nth-child(4) .btn-primary")).click();

    driver.findElement(By.id("autor")).click();

    driver.findElement(By.id("autor")).sendKeys("Maria Tester Edit");

    driver.findElement(By.cssSelector(".btn")).click();

    driver.findElement(By.cssSelector("tr:nth-child(4) .delete")).click();
}
}

```

```
//REQ10-CT03

// Generated by Selenium IDE

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 REQ10CT03MariaRealizarEmprestimoTest {
    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 rEQ10CT03MariaRealizarEmprestimo() {

    driver.get("https://ts-scel.herokuapp.com/login");

    driver.manage().window().setSize(new Dimension(1417, 1029));

    driver.findElement(By.name("username")).click();

    driver.findElement(By.name("username")).click();

    {

        WebElement element = driver.findElement(By.name("username"));

        Actions builder = new Actions(driver);

        builder.doubleClick(element).perform();

    }

    driver.findElement(By.name("username")).sendKeys("maria");

    driver.findElement(By.name("password")).sendKeys("456");

    driver.findElement(By.cssSelector("button")).click();

    driver.findElement(By.linkText("Empréstimo")).click();

    driver.findElement(By.id("isbn")).click();

    driver.findElement(By.id("isbn")).sendKeys("1234");

    driver.findElement(By.id("ra")).sendKeys("1234");

    driver.findElement(By.cssSelector("body")).click();

    driver.findElement(By.cssSelector(".btn:nth-child(1)")).click();

}

}

```

