

Corso di Laurea in Informatica, a.a. 2021-22

Progetto del corso di Ingegneria del Software

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Repository GitHub: /is-shodan-21-22/

Immagine che contiene schermo, orologio

Descrizione generata automaticamente

❯ Project Proposal

❯ Problem Statement

❯ Requirement Analysis Document

❯ System Design Document

❯ Object Design Document

❯ Test Plan

❯ Test Execution Report

❯ Test Summary Report

❯ Teamwork Report

**Shodan** [IS-2021/2022-DE LUCIA]

Partecipanti del progetto

|  |  |  |
| --- | --- | --- |
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Questo documento tratta esclusivamente l’Unit Testing del progetto.  
Per ulteriore documentazione valida ai fini dell’esame, consultare la repository /deliverables/*.*

**Premessa**

Il testing di unità consiste nel testare le singole unità del software del sistema suddivisi in sottosistemi individuali, con l’obiettivo di verificare che ogni sottosistema sia stato codificato correttamente. Il test verrà effettuato utilizzando *JUnit*, con l’ausilio di *Selenium*.

**Relazione con altri documenti**

Il presente documento si basa sui documenti Test Plan e Test Case relativi al progetto Shodan.

**Librerie, driver e risorse esterne utilizzate**

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*;

Immagine che contiene testo

Descrizione generata automaticamente

*public* *class* AggiornaTitoloTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *aggiornaTitoloFormatoIDErrato*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("update-game-id")).*sendKeys*("abc");

    driver.*findElement*(By.*id*("update-game-price")).*click*();

    driver.*findElement*(By.*id*("update-game-price")).*sendKeys*("55");

    driver.*findElement*(By.*cssSelector*(".button:nth-child(5)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("update-game-result")).*getText*(), *is*("Formato ID non valido"));

  }

  @Test

*public* void *aggiornaTitoloFormatoPrezzoErrato*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("update-game-id")).*sendKeys*("3");

    driver.*findElement*(By.*id*("update-game-price")).*click*();

    driver.*findElement*(By.*id*("update-game-price")).*sendKeys*("abc");

    driver.*findElement*(By.*cssSelector*(".button:nth-child(5)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("update-game-result")).*getText*(), *is*("Formato prezzo non valido"));

  }

  @Test

*public* void *aggiornaTitoloIDMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("update-game-price")).*click*();

    driver.*findElement*(By.*id*("update-game-price")).*sendKeys*("55");

    driver.*findElement*(By.*cssSelector*(".button:nth-child(5)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("update-game-result")).*getText*(), *is*("ID: campo obbligatorio"));

  }

  @Test

*public* void *aggiornaTitoloOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-form")).*click*();

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("update-game-id")).*click*();

    driver.*findElement*(By.*id*("update-game-id")).*sendKeys*("2");

    driver.*findElement*(By.*id*("update-game-price")).*sendKeys*("100");

    driver.*findElement*(By.*cssSelector*(".button:nth-child(5)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("update-game-result")).*getText*(), *is*("Gioco aggiornato con successo!"));

  }

  @Test

*public* void *aggiornaTitoloPrezzoMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("update-game-id")).*click*();

    driver.*findElement*(By.*id*("update-game-id")).*sendKeys*("3");

    driver.*findElement*(By.*cssSelector*(".button:nth-child(5)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("update-game-result")).*getText*(), *is*("Prezzo: campo obbligatorio"));

  }

  @Test

*public* void *aggiornaTitoloPrezzoNegativo*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("update-game-id")).*click*();

    driver.*findElement*(By.*id*("update-game-id")).*sendKeys*("3");

    driver.*findElement*(By.*id*("update-game-price")).*sendKeys*("-10");

    driver.*findElement*(By.*cssSelector*(".button:nth-child(5)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("update-game-result")).*getText*(), *is*("Prezzo negativo"));

  }

  @Test

*public* void *aggiornaTitoloTitoloInesistente*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("update-game-id")).*click*();

    driver.*findElement*(By.*id*("update-game-id")).*sendKeys*("999");

    driver.*findElement*(By.*id*("update-game-price")).*sendKeys*("55");

    driver.*findElement*(By.*cssSelector*(".button:nth-child(5)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("update-game-result")).*getText*(), *is*("Titolo non presente"));

  }

}

*public* *class* AggiungiArticoloTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *aggiungiArticoloContenutoMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("roles-link")).*click*();

    driver.*findElement*(By.*cssSelector*(".role-item:nth-child(3)")).*click*();

    driver.*findElement*(By.*id*("add-article-title")).*sendKeys*("Titolo");

    driver.*findElement*(By.*id*("add-article-shortTitle")).*sendKeys*("Sottotitolo");

    driver.*findElement*(By.*id*("add-article-button")).*click*();

*assertThat*(driver.*findElement*(By.*id*("add-article-result")).*getText*(), *is*("Contenuto: campo obbligatorio"));

  }

  @Test

*public* void *aggiungiArticoloSottotitoloMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("roles-link")).*click*();

    driver.*findElement*(By.*cssSelector*(".role-item:nth-child(3)")).*click*();

    driver.*findElement*(By.*id*("add-article-title")).*sendKeys*("Titolo");

    driver.*findElement*(By.*id*("article-description")).*sendKeys*("Contenuto");

    driver.*findElement*(By.*id*("add-article-button")).*click*();

*assertThat*(driver.*findElement*(By.*id*("add-article-result")).*getText*(), *is*("Sottotitolo: campo obbligatorio"));

  }

  @Test

*public* void *aggiungiArticoloTitoloMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("roles-link")).*click*();

    driver.*findElement*(By.*cssSelector*(".role-item:nth-child(3)")).*click*();

    driver.*findElement*(By.*id*("add-article-shortTitle")).*click*();

    driver.*findElement*(By.*id*("add-article-shortTitle")).*sendKeys*("Sottotitolo");

    driver.*findElement*(By.*id*("article-description")).*sendKeys*("Contenuto");

    driver.*findElement*(By.*id*("add-article-button")).*click*();

*assertThat*(driver.*findElement*(By.*id*("add-article-result")).*getText*(), *is*("Titolo: campo obbligatorio"));

  }

  @Test

*public* void *aggiungiArticoloOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("roles-link")).*click*();

    driver.*findElement*(By.*cssSelector*(".role-item:nth-child(3)")).*click*();

    driver.*findElement*(By.*id*("add-article-title")).*click*();

    driver.*findElement*(By.*id*("add-article-title")).*sendKeys*("Titolo");

    driver.*findElement*(By.*id*("add-article-shortTitle")).*sendKeys*("Sottotitolo");

    driver.*findElement*(By.*id*("article-description")).*sendKeys*("Contenuto");

    driver.*findElement*(By.*id*("add-article-button")).*click*();

    {

      WebElement element = driver.*findElement*(By.*id*("add-article-button"));

      Actions builder = *new* *Actions*(driver);

      builder.*moveToElement*(element).*perform*();

    }

*assertThat*(driver.*findElement*(By.*id*("add-article-result")).*getText*(), *is*("Articolo aggiunto con successo!"));

  }

}

*public* *class* AggiungiCartaTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *aggiungiCartaCVVMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".credit-card-add")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*sendKeys*("VISA");

    driver.*findElement*(By.*cssSelector*(".card-number")).*sendKeys*("1111222233334444");

    driver.*findElement*(By.*cssSelector*(".card-owner")).*sendKeys*("Slaver Test");

    driver.*findElement*(By.*cssSelector*(".card-due")).*sendKeys*("2024-01-01");

    driver.*findElement*(By.*id*("new-card-form-submit")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".card-tip")).*getText*(), *is*("CVV: campo obbligatorio"));

  }

  @Test

*public* void *aggiungiCartaCartaEsistente*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".credit-card-add")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*sendKeys*("MASTERCARD");

    driver.*findElement*(By.*cssSelector*(".card-number")).*sendKeys*("8219671281263413");

    driver.*findElement*(By.*cssSelector*(".card-owner")).*sendKeys*("Slave Tester");

    driver.*findElement*(By.*cssSelector*(".card-cvv")).*sendKeys*("123");

    driver.*findElement*(By.*cssSelector*(".card-due")).*sendKeys*("2025-01-01");

    driver.*findElement*(By.*id*("new-card-form-submit")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".card-tip")).*getText*(), *is*("Carta gia\\\' esistente"));

  }

  @Test

*public* void *aggiungiCartaCartaScaduta*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".credit-card-add")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*sendKeys*("VISA");

    driver.*findElement*(By.*cssSelector*(".card-number")).*sendKeys*("1111222233334444");

    driver.*findElement*(By.*cssSelector*(".card-owner")).*sendKeys*("Slaver Test");

    driver.*findElement*(By.*cssSelector*(".card-cvv")).*sendKeys*("123");

    driver.*findElement*(By.*cssSelector*(".card-due")).*sendKeys*("2020-01-01");

    driver.*findElement*(By.*id*("new-card-form-submit")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".card-tip")).*getText*(), *is*("Carta scaduta"));

  }

  @Test

*public* void *aggiungiCartaFormatoCVVNonValido*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".credit-card-add")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*sendKeys*("VISA");

    driver.*findElement*(By.*cssSelector*(".card-number")).*sendKeys*("1111222233334444");

    driver.*findElement*(By.*cssSelector*(".card-owner")).*sendKeys*("Slaver Test");

    driver.*findElement*(By.*cssSelector*(".card-cvv")).*sendKeys*("abc");

    driver.*findElement*(By.*cssSelector*(".card-due")).*sendKeys*("2024-01-01");

    driver.*findElement*(By.*id*("new-card-form-submit")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".card-tip")).*getText*(), *is*("Formato CVV non valido"));

  }

  @Test

*public* void *aggiungiCartaFormatoDataNonValido*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".credit-card-add")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*sendKeys*("VISA");

    driver.*findElement*(By.*cssSelector*(".card-number")).*sendKeys*("1111222233334444");

    driver.*findElement*(By.*cssSelector*(".card-owner")).*sendKeys*("Slaver Test");

    driver.*findElement*(By.*cssSelector*(".card-cvv")).*sendKeys*("123");

    driver.*findElement*(By.*cssSelector*(".card-due")).*sendKeys*("2024/01/01");

    driver.*findElement*(By.*id*("new-card-form-submit")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".card-tip")).*getText*(), *is*("Formato data non valido"));

  }

  @Test

*public* void *aggiungiCartaFormatoNumeroNonValido*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".credit-card-add")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*sendKeys*("VISA");

    driver.*findElement*(By.*cssSelector*(".card-number")).*sendKeys*("1234");

    driver.*findElement*(By.*cssSelector*(".card-owner")).*sendKeys*("Slaver Test");

    driver.*findElement*(By.*cssSelector*(".card-cvv")).*sendKeys*("123");

    driver.*findElement*(By.*cssSelector*(".card-due")).*sendKeys*("2024-01-01");

    driver.*findElement*(By.*id*("new-card-form-submit")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".card-tip")).*getText*(), *is*("Formato numero carta non valido"));

  }

  @Test

*public* void *aggiungiCartaFormatoTitolareNonValido*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".credit-card-add")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*sendKeys*("VISA");

    driver.*findElement*(By.*cssSelector*(".card-number")).*sendKeys*("1111222233334444");

    driver.*findElement*(By.*cssSelector*(".card-owner")).*sendKeys*("test");

    driver.*findElement*(By.*cssSelector*(".card-cvv")).*sendKeys*("123");

    driver.*findElement*(By.*cssSelector*(".card-due")).*sendKeys*("2024-01-01");

    driver.*findElement*(By.*id*("new-card-form-submit")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".card-tip")).*getText*(), *is*("Formato titolare non valido"));

  }

  @Test

*public* void *aggiungiCartaNumeroMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".credit-card-add")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*sendKeys*("VISA");

    driver.*findElement*(By.*cssSelector*(".card-owner")).*sendKeys*("Slaver Test");

    driver.*findElement*(By.*cssSelector*(".card-cvv")).*sendKeys*("123");

    driver.*findElement*(By.*cssSelector*(".card-due")).*sendKeys*("2024-01-01");

    driver.*findElement*(By.*id*("new-card-form-submit")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".card-tip")).*getText*(), *is*("Numero carta: campo obbligatorio"));

  }

  @Test

*public* void *aggiungiCartaOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("roles-link")).*click*();

    driver.*findElement*(By.*cssSelector*(".role-item:nth-child(2)")).*click*();

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".credit-card-add")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*sendKeys*("NUOVA");

    driver.*findElement*(By.*cssSelector*(".card-number")).*sendKeys*("1111222233334444");

    driver.*findElement*(By.*cssSelector*(".card-owner")).*sendKeys*("Admin Test");

    driver.*findElement*(By.*cssSelector*(".card-cvv")).*sendKeys*("111");

    driver.*findElement*(By.*cssSelector*(".card-due")).*sendKeys*("2022-05-05");

    driver.*findElement*(By.*cssSelector*("#new-card-form-submit")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*cssSelector*(".credit-card-add"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *aggiungiCartaTitolareMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".credit-card-add")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*click*();

    driver.*findElement*(By.*cssSelector*(".card-type")).*sendKeys*("VISA");

    driver.*findElement*(By.*cssSelector*(".card-number")).*sendKeys*("1111222233334567");

    driver.*findElement*(By.*cssSelector*(".card-cvv")).*sendKeys*("123");

    driver.*findElement*(By.*cssSelector*(".card-due")).*sendKeys*("2024-01-01");

    driver.*findElement*(By.*id*("new-card-form-submit")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".card-tip")).*getText*(), *is*("Titolare: campo obbligatorio"));

  }

}

*public* *class* AggiungiTitoloTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

*private* *final* String UT\_NAMESPACE = "AggiungiTitolo\_";

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *aggiungiTitoloNomeMancante*() {

    String testName = UT\_NAMESPACE + "NomeMancante";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("55");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Nome: campo obbligatorio"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloPrezzoMancante*() {

    String testName = UT\_NAMESPACE + "PrezzoMancante";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    //*driver.findElement(By.name("game-price")).sendKeys("55");*

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Prezzo: campo obbligatorio"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloDataMancante*() {

    String testName = UT\_NAMESPACE + "DataMancante";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("55");

    //*driver.findElement(By.name("game-date")).sendKeys("1995-01-01");*

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Data: campo obbligatorio"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloDescrizioneMancante*() {

    String testName = UT\_NAMESPACE + "DescrizioneMancante";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("55");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    //*driver.findElement(By.id("textarea-game")).sendKeys("Descrizione");*

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Descrizione: campo obbligatorio"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloCoverMancante*() {

    String testName = UT\_NAMESPACE + "CoverMancante";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("55");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    //*driver.findElement(By.id("image-loader")).sendKeys(cover.getAbsolutePath());*

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Cover: campo obbligatorio"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloSfondoMncante*() {

    String testName = UT\_NAMESPACE + "SfondoMancante";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("55");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    //*driver.findElement(By.id("landscape-loader")).sendKeys(sfondo.getAbsolutePath());*

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Sfondo: campo obbligatorio"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloFormatoPrezzoNonValido*() {

    String testName = UT\_NAMESPACE + "FormatoPrezzoNonValido";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("abc");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Formato prezzo non valido"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloDataFuoriIntervallo*() {

    String testName = UT\_NAMESPACE + "DataFuoriIntervalloValido";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("50");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("2020-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Data fuori intervallo"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloFormatoDataNonValido*() {

    String testName = UT\_NAMESPACE + "FormatoDataNonValido";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("50");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995/01/01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Formato data non valido"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloTitoloEsistente*() {

    String testName = UT\_NAMESPACE + "TitoloEsistente";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("System Shock");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("50");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Titolo gia' presente"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloPrezzoNegativo*() {

    String testName = UT\_NAMESPACE + "PrezzoNegativo";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("-50");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Prezzo negativo"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloFormatoNomeNonValido*() {

    String testName = UT\_NAMESPACE + "FormatoNomeNonValido";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test\_\_:^");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("50");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Formato nome non valido"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloFormatoCoverNonValido*() {

    String testName = UT\_NAMESPACE + "FormatoCoverNonValido";

    File cover = *new* *File*("example/dummy.txt");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("50");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Formato cover non valido"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloFormatoSfondoNonValido*() {

    String testName = UT\_NAMESPACE + "FormatoSfondoNonValido";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/dummy.txt");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("50");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Formato sfondo non valido"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

  @Test

*public* void *aggiungiTitoloOK*() {

    String testName = UT\_NAMESPACE + "OK";

    File cover = *new* *File*("example/Cover.png");

    File sfondo = *new* *File*("example/Sfondo.png");

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1294, 1400));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*name*("game-name")).*sendKeys*("Test");

    driver.*findElement*(By.*name*("game-price")).*sendKeys*("50");

    driver.*findElement*(By.*name*("game-date")).*sendKeys*("1995-01-01");

    driver.*findElement*(By.*id*("textarea-game")).*sendKeys*("Descrizione");

    driver.*findElement*(By.*id*("image-loader")).*sendKeys*(cover.*getAbsolutePath*());

    driver.*findElement*(By.*id*("landscape-loader")).*sendKeys*(sfondo.*getAbsolutePath*());

    driver.*findElement*(By.*cssSelector*(".button:nth-child(9)")).*click*();

*try* {

*assertThat*(driver.*findElement*(By.*id*("add-game-result")).*getText*(), *is*("Gioco aggiunto"));

      System.*out*.*println*(testName + " PASS");

    } *catch*(AssertionError e) {

      System.*out*.*println*(testName + " FAIL");

    }

  }

}

*public* *class* LoginTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *loginOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("app")));

    }

  }

  @Test

*public* void *loginPasswordErrata*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("1");

    driver.*findElement*(By.*id*("login-submit")).*click*();

*assertThat*(driver.*findElement*(By.*id*("login-message")).*getText*(), *is*("Password errata"));

  }

  @Test

*public* void *loginUtenteInesistente*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("utenteNonEsistente");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("12345a");

    driver.*findElement*(By.*id*("login-submit")).*click*();

*assertThat*(driver.*findElement*(By.*id*("login-message")).*getText*(), *is*("Utente non esistente"));

  }

}

*public* *class* ModificaEmailTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *modificaEmailOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*sendKeys*("slave@shodan.it");

    driver.*findElement*(By.*id*("settings-input-email")).*sendKeys*("slave2@shodan.it");

    driver.*findElement*(By.*id*("settings-submit-email")).*click*();

*assertThat*(driver.*findElement*(By.*id*("email-change-message")).*getText*(), *is*("Email modificata con successo!"));

  }

  @Test

*public* void *modificaEmailNuovaEmailMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("dummy");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*sendKeys*("slave@shodan.it");

    driver.*findElement*(By.*id*("settings-input-last-email")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*sendKeys*("dummy@shodan.it");

    driver.*findElement*(By.*id*("settings-submit-email")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*xpath*("//div[contains(@email-change-message,\'\')]"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *modificaEmailFormatoNonValido*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("dummy");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*sendKeys*("dummy@shodan.it");

    driver.*findElement*(By.*id*("settings-input-email")).*sendKeys*("dd@@dd.it");

    driver.*findElement*(By.*id*("settings-submit-email")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*xpath*("//div[contains(@password-change-message,\'\')]"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *modificaEmailEmailInUso*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("dummy");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*sendKeys*("dummy@shodan.it");

    driver.*findElement*(By.*id*("settings-input-email")).*sendKeys*("antonio@shodan.it");

    driver.*findElement*(By.*id*("settings-submit-email")).*click*();

*assertThat*(driver.*findElement*(By.*id*("email-change-message")).*getText*(), *is*("Impossibile usare questa email."));

  }

  @Test

*public* void *modificaEmailEmailAttualeErrata*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("dummy");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*click*();

    driver.*findElement*(By.*id*("settings-input-last-email")).*sendKeys*("duummy@shodan.it");

    driver.*findElement*(By.*id*("settings-input-email")).*sendKeys*("nuova@shodan.it");

    driver.*findElement*(By.*id*("settings-input-email")).*sendKeys*(Keys.*ENTER*);

*assertThat*(driver.*findElement*(By.*id*("email-change-message")).*getText*(), *is*("Non hai inserito correttamente la tua email attuale."));

  }

}

*public* *class* ModificaPasswordTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *modificaPasswordPasswordAttualeErrata*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("dummy");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebElement element = driver.*findElement*(By.*id*("settings-submit-password"));

      Actions builder = *new* *Actions*(driver);

      builder.*moveToElement*(element).*perform*();

    }

    {

      WebElement element = driver.*findElement*(By.*tagName*("body"));

      Actions builder = *new* *Actions*(driver);

      builder.*moveToElement*(element, 0, 0).*perform*();

    }

    driver.*findElement*(By.*id*("settings-input-old-password")).*click*();

    driver.*findElement*(By.*id*("settings-input-old-password")).*sendKeys*("1");

    driver.*findElement*(By.*id*("settings-input-new-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("settings-input-new-password-again")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("settings-submit-password")).*click*();

*assertThat*(driver.*findElement*(By.*id*("password-change-message")).*getText*(), *is*("Password corrente errata."));

  }

  @Test

*public* void *modificaPasswordOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("puppet");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    driver.*findElement*(By.*id*("settings-input-old-password")).*click*();

    driver.*findElement*(By.*id*("settings-input-old-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("settings-input-new-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("settings-input-new-password-again")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("settings-submit-password")).*click*();

*assertThat*(driver.*findElement*(By.*id*("password-change-message")).*getText*(), *is*("Password modificata con successo!"));

  }

  @Test

*public* void *modificaPasswordNuovaPasswordMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("dummy");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    driver.*findElement*(By.*id*("settings-input-old-password")).*click*();

    driver.*findElement*(By.*id*("settings-input-old-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("settings-input-new-password")).*click*();

    driver.*findElement*(By.*id*("settings-input-new-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("settings-submit-password")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*xpath*("//div[contains(@password-change-message,\'\')]"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *modificaPasswordNonCoincidenti*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("dummy");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    driver.*findElement*(By.*id*("settings-input-old-password")).*click*();

    driver.*findElement*(By.*id*("settings-input-old-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("settings-input-new-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("settings-input-new-password-again")).*sendKeys*("a1235");

    driver.*findElement*(By.*id*("settings-submit-password")).*click*();

*assertThat*(driver.*findElement*(By.*id*("password-change-message")).*getText*(), *is*("Le password non coincidono."));

  }

  @Test

*public* void *modificaPasswordFormatoNuovaPasswordInvalido*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("dummy");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    driver.*findElement*(By.*id*("settings-input-old-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("settings-input-new-password")).*sendKeys*("a123");

    driver.*findElement*(By.*id*("settings-input-new-password-again")).*sendKeys*("a123");

    driver.*findElement*(By.*id*("settings-submit-password")).*click*();

    driver.*findElement*(By.*id*("settings-submit-password")).*click*();

*assertThat*(driver.*findElement*(By.*id*("password-change-message")).*getText*(), *is*("La password deve avere almeno cinque caratteri, di cui almeno una lettera e un numero."));

  }

}

*public* *class* PagamentoTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *pagamentoSaldoInsufficiente*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*cssSelector*(".game-container:nth-child(1) > .game-add")));

    }

    driver.*findElement*(By.*cssSelector*(".game-container:nth-child(1) > .game-add")).*click*();

    driver.*findElement*(By.*id*("cart-link")).*click*();

    driver.*findElement*(By.*id*("cart-pay")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".last-row-info")).*getText*(), *is*("Non hai abbastanza soldi."));

  }

  @Test

*public* void *pagamentoOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("dummy");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*cssSelector*(".game-container:nth-child(1) > .game-add")));

    }

    driver.*findElement*(By.*cssSelector*(".game-container:nth-child(1) > .game-add")).*click*();

    driver.*findElement*(By.*id*("cart-link")).*click*();

    driver.*findElement*(By.*id*("cart-pay")).*click*();

  }

  @Test

*public* void *pagamentoCarrelloVuoto*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("dummy");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("cart-link")));

    }

    driver.*findElement*(By.*id*("cart-link")).*click*();

*assertThat*(driver.*findElement*(By.*cssSelector*(".empty-view > div")).*getText*(), *is*("Non c\\\'è ancora nulla qui..."));

  }

}

*public* *class* RegistrazioneTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *registrazioneOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1822, 1054));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("Francesco");

    driver.*findElement*(By.*id*("signin-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-password-again")).*click*();

    driver.*findElement*(By.*id*("signin-password-again")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-email")).*sendKeys*("Francesco@Shodan.it");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*id*("signin-message"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *registrazioneEmailNonValida*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1822, 1040));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("test");

    driver.*findElement*(By.*id*("signin-password")).*click*();

    driver.*findElement*(By.*id*("signin-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-password-again")).*click*();

    driver.*findElement*(By.*id*("signin-password-again")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-email")).*click*();

    driver.*findElement*(By.*id*("signin-email")).*sendKeys*("test@@a.it");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*xpath*("//div[contains(@signin-message,\'\')]"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *registrazioneEmailInUso*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1822, 1040));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("test");

    driver.*findElement*(By.*id*("signin-password")).*click*();

    driver.*findElement*(By.*id*("signin-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-password-again")).*click*();

    driver.*findElement*(By.*id*("signin-password-again")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-email")).*click*();

    driver.*findElement*(By.*id*("signin-email")).*sendKeys*("antonio@shodan.it");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*id*("signin-message"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *registrazioneEmailMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("test");

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("test5");

    driver.*findElement*(By.*id*("signin-password")).*click*();

    driver.*findElement*(By.*id*("signin-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-password-again")).*click*();

    driver.*findElement*(By.*id*("signin-password-again")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*xpath*("//div[contains(@signin-message,\'\')]"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *registrazionePasswordDiverse*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("test\_nuovo");

    driver.*findElement*(By.*id*("signin-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-password-again")).*click*();

    driver.*findElement*(By.*id*("signin-password-again")).*sendKeys*("a1235");

    driver.*findElement*(By.*id*("signin-email")).*click*();

    driver.*findElement*(By.*id*("signin-email")).*sendKeys*("tes3t@test.it");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

*assertThat*(driver.*findElement*(By.*id*("signin-message")).*getText*(), *is*("Le password non coincidono"));

  }

  @Test

*public* void *registrazionePasswordMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("test3");

    driver.*findElement*(By.*id*("signin-password-again")).*click*();

    driver.*findElement*(By.*id*("signin-password-again")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-email")).*click*();

    driver.*findElement*(By.*id*("signin-email")).*sendKeys*("test2@test.it");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*xpath*("//div[contains(@signin-message,\'\')]"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *registrazionePasswordNonValida*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("test");

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("test5");

    driver.*findElement*(By.*id*("signin-password")).*click*();

    driver.*findElement*(By.*id*("signin-password")).*sendKeys*("a123");

    driver.*findElement*(By.*id*("signin-password-again")).*click*();

    driver.*findElement*(By.*id*("signin-password-again")).*sendKeys*("a123");

    driver.*findElement*(By.*id*("signin-email")).*click*();

    driver.*findElement*(By.*id*("signin-email")).*sendKeys*("test2@test.it");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

    {

      WebElement element = driver.*findElement*(By.*id*("signin-submit"));

      Actions builder = *new* *Actions*(driver);

      builder.*moveToElement*(element).*perform*();

    }

    {

      WebElement element = driver.*findElement*(By.*tagName*("body"));

      Actions builder = *new* *Actions*(driver);

      builder.*moveToElement*(element, 0, 0).*perform*();

    }

*assertThat*(driver.*findElement*(By.*id*("signin-message")).*getText*(), *is*("La password non rispetta i criteri.\\\\nSono necessari almeno cinque caratteri,\\\\ndi cui per lo meno un numero e una lettera."));

  }

  @Test

*public* void *registrazioneRipetiPasswordMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("test5");

    driver.*findElement*(By.*id*("signin-password")).*click*();

    driver.*findElement*(By.*id*("signin-password")).*sendKeys*("test1");

    driver.*findElement*(By.*id*("signin-email")).*click*();

    driver.*findElement*(By.*id*("signin-email")).*sendKeys*("test2@test.it");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*xpath*("//div[contains(@signin-message,\'\')]"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *registrazioneUsernameInUso*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("signin-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-password-again")).*click*();

    driver.*findElement*(By.*id*("signin-password-again")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-email")).*click*();

    driver.*findElement*(By.*id*("signin-email")).*sendKeys*("antonio@shodan.it");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

*assertThat*(driver.*findElement*(By.*id*("signin-message")).*getText*(), *is*("Username esistente"));

  }

  @Test

*public* void *registrazioneUsernameMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-password")).*click*();

    driver.*findElement*(By.*id*("signin-password")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-password-again")).*click*();

    driver.*findElement*(By.*id*("signin-password-again")).*sendKeys*("a1234");

    driver.*findElement*(By.*id*("signin-email")).*click*();

    driver.*findElement*(By.*id*("signin-email")).*sendKeys*("test@test.it");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

    {

      List<WebElement> elements = driver.*findElements*(By.*xpath*("//div[contains(@signin-message,\'\')]"));

*assert*(elements.*size*() > 0);

    }

  }

  @Test

*public* void *registrazioneUsernameNonValido*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1900, 1020));

    driver.*findElement*(By.*id*("flip-login-card")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*click*();

    driver.*findElement*(By.*id*("signin-username")).*sendKeys*("a");

    driver.*findElement*(By.*id*("signin-password")).*click*();

    driver.*findElement*(By.*id*("signin-password")).*sendKeys*("1234a");

    driver.*findElement*(By.*id*("signin-password-again")).*click*();

    driver.*findElement*(By.*id*("signin-password-again")).*sendKeys*("1234a");

    driver.*findElement*(By.*id*("signin-email")).*click*();

    driver.*findElement*(By.*id*("signin-email")).*sendKeys*("antonio@shodan.it");

    driver.*findElement*(By.*id*("signin-submit")).*click*();

*assertThat*(driver.*findElement*(By.*id*("signin-message")).*getText*(), *is*("Formato username non valido"));

  }

}

*public* *class* RicaricaSaldoTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *ricaricaSaldoQuantitaNonValida*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*id*("amount-input")).*click*();

    driver.*findElement*(By.*id*("amount-input")).*sendKeys*("0");

    driver.*findElement*(By.*cssSelector*(".valid-credit-card")).*click*();

*assertThat*(driver.*findElement*(By.*id*("cards-message")).*getText*(), *is*("Quantita\\\' non valido."));

  }

  @Test

*public* void *ricaricaSaldoOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    driver.*findElement*(By.*id*("roles-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*cssSelector*(".role-item:nth-child(2)")).*click*();

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".VISA h1")).*click*();

*assertThat*(driver.*findElement*(By.*id*("cards-message")).*getText*(), *is*("Ricarica effettuata con successo!"));

  }

  @Test

*public* void *ricaricaSaldoFormatoQuantitaNonValido*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*id*("amount-input")).*click*();

    driver.*findElement*(By.*id*("amount-input")).*sendKeys*("uno");

    driver.*findElement*(By.*cssSelector*(".valid-credit-card")).*click*();

*assertThat*(driver.*findElement*(By.*id*("cards-message")).*getText*(), *is*("Formato quantita\\\' non valido"));

  }

  @Test

*public* void *ricaricaSaldoCartaScaduta*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("slave");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-password")).*sendKeys*(Keys.*ENTER*);

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("settings-link")));

    }

    driver.*findElement*(By.*id*("settings-link")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("add-card")));

    }

    driver.*findElement*(By.*id*("add-card")).*click*();

    driver.*findElement*(By.*cssSelector*(".MASTERCARD h1")).*click*();

*assertThat*(driver.*findElement*(By.*id*("cards-message")).*getText*(), *is*("Carta scaduta"));

  }

}

*public* *class* RimuoviArticoloTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *rimuoviArticoloOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("roles-link")).*click*();

    driver.*findElement*(By.*cssSelector*(".role-item:nth-child(3)")).*click*();

    driver.*findElement*(By.*id*("remove-article-id")).*click*();

    driver.*findElement*(By.*id*("remove-article-id")).*sendKeys*("2");

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

*assertThat*(driver.*findElement*(By.*id*("remove-article-result")).*getText*(), *is*("Articolo rimosso con successo!"));

  }

  @Test

*public* void *rimuoviArticoloIDMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("roles-link")).*click*();

    driver.*findElement*(By.*cssSelector*(".role-item:nth-child(3)")).*click*();

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

*assertThat*(driver.*findElement*(By.*id*("remove-article-result")).*getText*(), *is*("ID: campo obbligatorio."));

  }

  @Test

*public* void *rimuoviArticoloFormatoIDErrato*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("roles-link")).*click*();

    driver.*findElement*(By.*cssSelector*(".role-item:nth-child(3)")).*click*();

    driver.*findElement*(By.*id*("remove-article-id")).*click*();

    driver.*findElement*(By.*id*("remove-article-id")).*sendKeys*("uno");

    driver.*findElement*(By.*id*("remove-article-id")).*sendKeys*(Keys.*ENTER*);

*assertThat*(driver.*findElement*(By.*id*("remove-article-result")).*getText*(), *is*("Formato ID errato."));

  }

  @Test

*public* void *rimuoviArticoloArticoloInesistente*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("roles-link")).*click*();

    driver.*findElement*(By.*cssSelector*(".role-item:nth-child(3)")).*click*();

    driver.*findElement*(By.*id*("remove-article-id")).*click*();

    driver.*findElement*(By.*id*("remove-article-id")).*sendKeys*("10");

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

*assertThat*(driver.*findElement*(By.*id*("remove-article-result")).*getText*(), *is*("Articolo non esistente"));

  }

}

*public* *class* RimuoviTitoloTest {

*private* WebDriver driver;

*private* Map<String, Object> vars;

  JavascriptExecutor js;

  @Before

*public* void *setUp*() {

    System.*setProperty*("webdriver.chrome.driver", "../commons/driver/chromedriver.exe");

    driver = *new* *ChromeDriver*();

    js = (JavascriptExecutor) driver;

    vars = *new* HashMap<String, Object>();

  }

  @After

*public* void *tearDown*() {

    driver.*quit*();

  }

  @Test

*public* void *rimuoviTitoloFormatoIDErrato*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("delete-game-id")).*click*();

    driver.*findElement*(By.*id*("delete-game-id")).*sendKeys*("abc");

    driver.*findElement*(By.*cssSelector*(".button:nth-child(4)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("delete-game-result")).*getText*(), *is*("Formato ID errato"));

  }

  @Test

*public* void *rimuoviTitoloIDMancante*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("delete-game-id")).*click*();

    driver.*findElement*(By.*cssSelector*(".button:nth-child(4)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("delete-game-result")).*getText*(), *is*("ID Gioco: campo obbligatorio"));

  }

  @Test

*public* void *rimuoviTitoloOK*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("delete-game-id")).*click*();

    driver.*findElement*(By.*id*("delete-game-id")).*sendKeys*("1");

    driver.*findElement*(By.*cssSelector*(".button:nth-child(4)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("delete-game-result")).*getText*(), *is*("Gioco eliminato con successo!"));

  }

  @Test

*public* void *rimuoviTitoloTitoloInesistente*() {

    driver.*get*("http://localhost:8080/shodan\_maven/");

    driver.*manage*().*window*().*setSize*(*new* *Dimension*(1898, 1018));

    driver.*findElement*(By.*id*("login-username")).*click*();

    driver.*findElement*(By.*id*("login-username")).*sendKeys*("admin");

    driver.*findElement*(By.*id*("login-password")).*click*();

    driver.*findElement*(By.*id*("login-password")).*sendKeys*("123");

    driver.*findElement*(By.*id*("login-submit")).*click*();

    {

      WebDriverWait wait = *new* *WebDriverWait*(driver, 30);

      wait.*until*(ExpectedConditions.*presenceOfElementLocated*(By.*id*("roles-link")));

    }

    driver.*findElement*(By.*id*("delete-game-id")).*click*();

    driver.*findElement*(By.*id*("delete-game-id")).*sendKeys*("999");

    driver.*findElement*(By.*cssSelector*(".button:nth-child(4)")).*click*();

*assertThat*(driver.*findElement*(By.*id*("delete-game-result")).*getText*(), *is*("Il titolo non e\\\' presente"));

  }

}