using System;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using OpenQA.Selenium;

using OpenQA.Selenium.Chrome;

using OpenQA.Selenium.Support.UI;

namespace WebHoundsTests

{

[TestClass]

public class WebTests

{

private IWebDriver driver;

[TestInitialize]

public void Setup()

{

driver = new ChromeDriver();

}

[TestCleanup]

public void Teardown()

{

driver.Quit();

}

[TestMethod]

public void TestProductPageAndCart()

{

// Navigate to the product page

driver.Navigate().GoToUrl("https://client.webhounds.co.za/product/classic-mens-hoody/");

// Wait for the page to load

WebDriverWait wait = new WebDriverWait(driver, TimeSpan.FromSeconds(10));

wait.Until(d => d.FindElement(By.Name("quantity")));

// Set the quantity to 3

IWebElement quantityInput = driver.FindElement(By.Name("quantity"));

quantityInput.Clear();

quantityInput.SendKeys("3");

// Click the "Add to Cart" button

IWebElement addToCartButton = driver.FindElement(By.CssSelector("button.single\_add\_to\_cart\_button"));

addToCartButton.Click();

// Wait for the cart page to load

wait.Until(d => d.Url.Contains("cart"));

// Verify the total price

IWebElement subtotalElement = driver.FindElement(By.CssSelector(".cart-subtotal .woocommerce-Price-amount"));

string subtotalText = subtotalElement.Text.Replace("R", "").Replace(",", "").Trim();

double subtotal = Convert.ToDouble(subtotalText);

Assert.AreEqual(2940.00, subtotal, "Subtotal is incorrect!");

// Verify the grand total (including shipping)

IWebElement totalElement = driver.FindElement(By.CssSelector(".order-total .woocommerce-Price-amount"));

string totalText = totalElement.Text.Replace("R", "").Replace(",", "").Trim();

double total = Convert.ToDouble(totalText);

Assert.AreEqual(3040.00, total, "Grand total is incorrect!");

}

[TestMethod]

public void TestContactUsForm()

{

// Navigate to the contact page

driver.Navigate().GoToUrl("https://client.webhounds.co.za/contact-us-1");

// Wait for the form to load

WebDriverWait wait = new WebDriverWait(driver, TimeSpan.FromSeconds(10));

wait.Until(d => d.FindElement(By.Name(":contact\_us\_name:")));

// Fill out the form

IWebElement nameField = driver.FindElement(By.Name(":contact\_us\_name:"));

nameField.SendKeys("Mgadli");

IWebElement emailField = driver.FindElement(By.Name(":contact\_us\_email:"));

emailField.SendKeys("llubanzi14@gmail.com");

IWebElement messageField = driver.FindElement(By.Name(":contact\_us\_message:"));

messageField.SendKeys("Yow, it's Silinga here, your website is really good.");

// Click the submit button

IWebElement submitButton = driver.FindElement(By.Id(":contact-form-button:"));

submitButton.Click();

// Verify success message (update the selector as needed)

wait.Until(d => d.FindElement(By.CssSelector(".success-message"))); // Replace with actual success message selector

IWebElement successMessage = driver.FindElement(By.CssSelector(".success-message"));

Assert.IsTrue(successMessage.Displayed, "Contact form submission failed!");

}

}

}