**//Selenium Automation Code to add and remove item in the cart in Chewy website.**

import java.io.File;

import java.io.IOException;

import org.apache.commons.io.FileUtils;

import org.openqa.selenium.By;

import org.openqa.selenium.OutputType;

import org.openqa.selenium.TakesScreenshot;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;

import org.testng.Assert;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.Test;

public class AddCart {

static WebDriverWait Wait = null;

WebDriver driver;

@BeforeClass

public void beforeClass() throws IOException {

**//Open a browser to chewy.com //**

System.setProperty("WebDriver.chrome.driver", "chromedriver.exe");

ChromeOptions options = new ChromeOptions();

driver = new ChromeDriver(options);

driver.manage().deleteAllCookies();

driver.manage().window().maximize();

options.addArguments("--no-sandbox");

options.setExperimentalOption("useAutomationExtension", false);

driver.get("https://www.chewy.com");

TakesScreenshot ts = (TakesScreenshot)driver;

File source = ts.getScreenshotAs(OutputType.FILE);

FileUtils.copyFile(source,new File("./Screenprints/Website launched.png"));

System.out.println("Chewy.com has been launched successfully");

}

@Test

public void testLaunch() throws Exception{

**//Enter the item to be searched**

driver.findElement(By.xpath("//\*[@id='header-searchform']/div/input")).click();

driver.findElement(By.xpath("//\*[@id='header-searchform']/div/input")).sendKeys("Vetsulin");

Thread.sleep(2000);

driver.findElement(By.xpath("//\*[@type='submit']")).submit();

**//Select the item based on item number**

driver.findElement(By.xpath("//\*[@id='header-searchform']/div/input")).sendKeys("146103");

Thread.sleep(2000);

driver.findElement(By.xpath("//\*[@type='submit']")).submit();

Thread.sleep(3000);

**// Verify results of search**

Wait = new WebDriverWait(driver,3);

Wait.until(ExpectedConditions.invisibilityOfElementLocated(By.linkText("Vetsulin Insulin U-40 for Dogs & Cats, 10-mL")));

Assert.assertTrue(driver.getTitle().equals("146103 - Free shipping | Chewy"));

**// Click into specific item “Vetsulin Insulin U-40 for Dogs & Cats, 10-mL”**

driver.findElement(By.xpath("//article[@data-name='Vetsulin Insulin U-40 for Dogs & Cats, 10-mL']")).click();

Thread.sleep(3000);

**//Verify the item name or Verify landed on product detail**

String itemName = driver.findElement(By.id("product-title")).getText();

Assert.assertEquals(itemName, "Vetsulin Insulin U-40 for Dogs & Cats, 10-mL By Vetsulin");

System.out.println("The product detail as 'Vetsulin Insulin U-40 for Dogs & Cats, 10-mL page' is verified successfully");

**//Add to cart**

driver.findElement( By.xpath("//\*[@id='buybox']/div/div/form/div[2]/input")).click();

Thread.sleep(3000);

**//Verify item added to cart**

Wait = new WebDriverWait(driver,3);

Wait.until(ExpectedConditions.invisibilityOfElementLocated(By.linkText("added to your cart")));

Assert.assertTrue(driver.getTitle().equals("Shopping Cart | Chewy.com"));

System.out.println("The correct item has been added to the cart successfully");

**// Navigate to cart**

driver.findElement(By.xpath("//\*[@id='page-content']/section/div/div[2]/div[2]/div/div[3]/a[1]")).click();

Wait = new WebDriverWait(driver,5);

Wait.until(ExpectedConditions.invisibilityOfElementLocated(By.linkText("Your Shopping Cart")));

Assert.assertTrue(driver.getTitle().equals("Shopping Cart | Chewy.com"));

**//Verify cart contents**

String detailItem = driver.findElement(By.className("sfw-cart-item\_\_name")).getText();

Assert.assertEquals(detailItem, "Vetsulin Insulin U-40 for Dogs & Cats, 10-mL");

System.out.println(detailItem + " is successfully added and verified in the cart");

Thread.sleep(3000);

**//Remove item from cart**

driver.findElement( By.xpath("//\*[@id='page-content']/div/div/div[2]/div[1]/div/div[3]/ul/li/div/article/button/span")).click();

Thread.sleep(3000);

System.out.println("The item has been removed successfully from the cart ");

**//Verify the cart is empty**

String emptyCart = driver.findElement(

By.xpath("//\*[@id='page-content']/div/div/div[2]/h1")).getText();

Assert.assertEquals(emptyCart, "Your cart is empty.");

TakesScreenshot ts = (TakesScreenshot)driver;

File source = ts.getScreenshotAs(OutputType.FILE);

FileUtils.copyFile(source,new File("./Screenprints/Empty cart.png"));

System.out.println(emptyCart);

}

@AfterClass

public void afterClass() {

driver.close();

}

}

