```csharp
using OpenQA.Selenium;
using OpenQA.Selenium.Chrome;
using NUnit.Framework;


namespace Zadatak4
{
    public class Tests
    {
#pragma warning disable NUnit1032 // An IDisposable field/property should be Disposed in a
TearDown method
        private IWebDriver driver;
#pragma warning restore NUnit1032 // An IDisposable field/property should be Disposed in a
TearDown method

        [SetUp]
        public void Setup()
        {
            driver = new ChromeDriver();

            driver.Manage().Window.Maximize();
        }

        [Test]
        public void Test1Load()
        {
            driver.Navigate().GoToUrl("https://www.saucedemo.com/");

            Assert.That(driver.Url, Is.EqualTo("https://www.saucedemo.com/"));

            //Assert.Pass();
        }
        [Test]
        public void Test2EmptyLogin()
        {
            driver.Navigate().GoToUrl("https://www.saucedemo.com/");
            driver.FindElement(By.Name("login-button")).Click();
        }
        [Test]
        public void TestBadUserPassLogin()
        {
            driver.Navigate().GoToUrl("https://www.saucedemo.com/");
            driver.FindElement(By.Name("user-name")).SendKeys("standard_us");
            driver.FindElement(By.Name("password")).SendKeys("secret_sa");

            driver.FindElement(By.Name("login-button")).Click();
        }
        [Test]
        public void TestBadUserLogin()
        {
            driver.Navigate().GoToUrl("https://www.saucedemo.com/");
            driver.FindElement(By.Name("user-name")).SendKeys("standard_us");
            driver.FindElement(By.Name("password")).SendKeys("secret_sauce");

            driver.FindElement(By.Name("login-button")).Click();
        }
        [Test]
```

```
public void TestBadPassLogin()
{
    driver.Navigate().GoToUrl("https://www.saucedemo.com/");
    driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
    driver.FindElement(By.Name("password")).SendKeys("secret_sa");

    driver.FindElement(By.Name("login-button")).Click();
}
[Test]
public void TestValidLogin()
{
    driver.Navigate().GoToUrl("https://www.saucedemo.com/");
    driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
    driver.FindElement(By.Name("password")).SendKeys("secret_sauce");

    driver.FindElement(By.Name("login-button")).Click();
}
[Test]
public void OpenCloseMenu()
{
    driver.Navigate().GoToUrl("https://www.saucedemo.com/");
    driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
    driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
    driver.FindElement(By.Name("login-button")).Click();

    driver.FindElement(By.Id("react-burger-menu-btn")).Click();
    thread.sleep(3000);
    driver.FindElement(By.Id("react-burger-cross-btn")).;

}
[Test]
public void OpenCloseCart()
{
    driver.Navigate().GoToUrl("https://www.saucedemo.com/");
    driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
    driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
    driver.FindElement(By.Name("login-button")).Click();

    driver.FindElement(By.ClassName("shopping_cart_link")).Click();
    Console.WriteLine("Cart opened");
    driver.FindElement(By.Name("continue-shopping")).Click();
    Console.WriteLine("Returned to homepage");
}
[Test]
public void FilterZtoA()
{
    driver.Navigate().GoToUrl("https://www.saucedemo.com/");
    driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
    driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
    driver.FindElement(By.Name("login-button")).Click();

    driver.FindElement(By.ClassName("product_sort_container")).Click();
    Console.WriteLine("filter expanded");
```

```
driver.FindElement(By.XPath("/html/body/div/div/div/div[1]/div[2]/div/span/select/option[2]")).Click
();
```

```
            Console.WriteLine("filter changed");
        }
        [Test]
        public void FilterPriceLowToHigh()
        {
            driver.Navigate().GoToUrl("https://www.saucedemo.com/");
            driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
            driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
            driver.FindElement(By.Name("login-button")).Click();

            driver.FindElement(By.ClassName("product_sort_container")).Click();
            Console.WriteLine("filter expanded");


driver.FindElement(By.XPath("/html/body/div/div/div/div[1]/div[2]/div/span/select/option[3]")).Click
();
            Console.WriteLine("filter changed");
        }
        [Test]
        public void FilterPriceHighToLow()
        {
            driver.Navigate().GoToUrl("https://www.saucedemo.com/");
            driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
            driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
            driver.FindElement(By.Name("login-button")).Click();

            driver.FindElement(By.ClassName("product_sort_container")).Click();
            Console.WriteLine("filter expanded");


driver.FindElement(By.XPath("/html/body/div/div/div/div[1]/div[2]/div/span/select/option[4]")).Click
();
            Console.WriteLine("filter changed");
        }
        [Test]
        public void FilterNameAtoZ()
        {
            driver.Navigate().GoToUrl("https://www.saucedemo.com/");
            driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
            driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
            driver.FindElement(By.Name("login-button")).Click();

            driver.FindElement(By.ClassName("product_sort_container")).Click();
            Console.WriteLine("filter expanded");

driver.FindElement(By.XPath("/html/body/div/div/div/div[1]/div[2]/div/span/select/option[4]")).Click
();
            Console.WriteLine("filter changed");

driver.FindElement(By.XPath("/html/body/div/div/div/div[1]/div[2]/div/span/select/option[1]")).Click
();
            Console.WriteLine("filter changed to starting Name (A to Z)");
        }
        [Test]
        public void Product1AddRemoveFromCart()
        {
            driver.Navigate().GoToUrl("https://www.saucedemo.com/");
```

```csharp
    driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
    driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
    driver.FindElement(By.Name("login-button")).Click();

    driver.FindElement(By.Id("add-to-cart-sauce-labs-backpack")).Click();
    Console.WriteLine("product 1 added to shopping cart");
    driver.FindElement(By.Id("remove-sauce-labs-backpack")).Click();
    Console.WriteLine("product 1 removed from shopping cart");
}
[Test]
public void Product2AddRemoveFromCart()
{
    driver.Navigate().GoToUrl("https://www.saucedemo.com/");
    driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
    driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
    driver.FindElement(By.Name("login-button")).Click();

    driver.FindElement(By.Id("add-to-cart-sauce-labs-bike-light")).Click();
    Console.WriteLine("product 2 added to shopping cart");
    driver.FindElement(By.Id("remove-sauce-labs-bike-light")).Click();
    Console.WriteLine("product 2 removed from shopping cart");
}
[Test]
public void Product3AddRemoveFromCart()
{
    driver.Navigate().GoToUrl("https://www.saucedemo.com/");
    driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
    driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
    driver.FindElement(By.Name("login-button")).Click();

    driver.FindElement(By.Id("add-to-cart-sauce-labs-bolt-t-shirt")).Click();
    Console.WriteLine("product 3 added to shopping cart");
    driver.FindElement(By.Id("remove-sauce-labs-bolt-t-shirt")).Click();
    Console.WriteLine("product 3 removed from shopping cart");
}
[Test]
public void Product4AddRemoveFromCart()
{
    driver.Navigate().GoToUrl("https://www.saucedemo.com/");
    driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
    driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
    driver.FindElement(By.Name("login-button")).Click();

    driver.FindElement(By.Id("add-to-cart-sauce-labs-fleece-jacket")).Click();
    Console.WriteLine("product 4 added to shopping cart");
    driver.FindElement(By.Id("remove-sauce-labs-fleece-jacket")).Click();
    Console.WriteLine("product 4 removed from shopping cart");
}
[Test]
public void Product5AddRemoveFromCart()
{
    driver.Navigate().GoToUrl("https://www.saucedemo.com/");
    driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
    driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
    driver.FindElement(By.Name("login-button")).Click();

    driver.FindElement(By.Id("add-to-cart-sauce-labs-onesie")).Click();
```

```csharp
            Console.WriteLine("product 5 added to shopping cart");
            driver.FindElement(By.Id("remove-sauce-labs-onesie")).Click();
            Console.WriteLine("product 5 removed from shopping cart");
        }
        [Test]
        public void Product6AddRemoveFromCart()
        {
            driver.Navigate().GoToUrl("https://www.saucedemo.com/");
            driver.FindElement(By.Name("user-name")).SendKeys("standard_user");
            driver.FindElement(By.Name("password")).SendKeys("secret_sauce");
            driver.FindElement(By.Name("login-button")).Click();

            driver.FindElement(By.Id("add-to-cart-test.allthethings()-t-shirt-(red)")).Click();
            Console.WriteLine("product 6 added to shopping cart");
            driver.FindElement(By.Id("remove-test.allthethings()-t-shirt-(red)")).Click();
            Console.WriteLine("product 6 removed from shopping cart");
        }

        [TearDown]
        public void Teardown()
        {
            //driver.Quit();
        }


    }
}
```