**C# Source Code Test Cases**

**File Name: Assignment\_04\_Tests**

**Code:**

using System;

using System.Text;

using System.Text.RegularExpressions;

using System.Threading;

using NUnit.Framework;

using OpenQA.Selenium;

using OpenQA.Selenium.Firefox;

using OpenQA.Selenium.Support.UI;

namespace Assignment04

{

[TestFixture]

public class Assignment\_04\_Tests

{

private IWebDriver driver;

private StringBuilder verificationErrors;

private string baseURL;

private bool acceptNextAlert = true;

[SetUp]

public void SetupTest()

{

driver = new FirefoxDriver();

baseURL = "https://www.katalon.com/";

verificationErrors = new StringBuilder();

}

[TearDown]

public void TeardownTest()

{

try

{

driver.Quit();

}

catch (Exception)

{

// Ignore errors if unable to close the browser

}

Assert.AreEqual("", verificationErrors.ToString());

}

[Test]

public void testForm\_inputEnterAllData\_outputDisplayData()

{

driver.Navigate().GoToUrl("http://localhost:8080/");

driver.FindElement(By.Name("sellerName")).Click();

driver.FindElement(By.Name("sellerName")).Clear();

driver.FindElement(By.Name("sellerName")).SendKeys("Keval");

driver.FindElement(By.Name("address")).Clear();

driver.FindElement(By.Name("address")).SendKeys("37, vanier dr");

driver.FindElement(By.Name("city")).Clear();

driver.FindElement(By.Name("city")).SendKeys("Kitchener");

driver.FindElement(By.Name("phoneNumber")).Clear();

driver.FindElement(By.Name("phoneNumber")).SendKeys("226-339-2056");

driver.FindElement(By.Name("email")).Clear();

driver.FindElement(By.Name("email")).SendKeys("kgoti@gmail.com");

driver.FindElement(By.Name("manufacturer")).Clear();

driver.FindElement(By.Name("manufacturer")).SendKeys("lamborghini");

driver.FindElement(By.Name("model")).Clear();

driver.FindElement(By.Name("model")).SendKeys("aventador");

driver.FindElement(By.Name("year")).Clear();

driver.FindElement(By.Name("year")).SendKeys("2018");

driver.FindElement(By.XPath("(.//\*[normalize-space(text()) and normalize-space(.)='Buy or Sell - always get the very Best'])[1]/following::div[3]")).Click();

driver.FindElement(By.XPath("//div[@id='app']/div/div[2]/div/div/button")).Click();

}

[Test]

public void testForm\_inputEnterAllData\_outputVisitLinkInDisplayData()

{

driver.Navigate().GoToUrl("http://localhost:8080/");

driver.FindElement(By.Name("sellerName")).Click();

driver.FindElement(By.Name("sellerName")).Clear();

driver.FindElement(By.Name("sellerName")).SendKeys("Salman Kahn");

driver.FindElement(By.Name("address")).Clear();

driver.FindElement(By.Name("address")).SendKeys("49, Vanier Dr");

driver.FindElement(By.Name("city")).Clear();

driver.FindElement(By.Name("city")).SendKeys("Kitchener");

driver.FindElement(By.Name("phoneNumber")).Clear();

driver.FindElement(By.Name("phoneNumber")).SendKeys("663-996-5236");

driver.FindElement(By.Name("email")).Clear();

driver.FindElement(By.Name("email")).SendKeys("salman@gmail.com");

driver.FindElement(By.Name("manufacturer")).Clear();

driver.FindElement(By.Name("manufacturer")).SendKeys("Ferrari");

driver.FindElement(By.Name("model")).Clear();

driver.FindElement(By.Name("model")).SendKeys("488-Spider");

driver.FindElement(By.Name("year")).Clear();

driver.FindElement(By.Name("year")).SendKeys("2018");

driver.FindElement(By.XPath("//div[@id='app']/div/div[2]/div/div/button")).Click();

driver.FindElement(By.LinkText("Visit Site")).Click();

}

[Test]

public void testForm\_inputDataWithOneFieldMissing\_outputGiveErrorMissingField()

{

driver.Navigate().GoToUrl("http://localhost:8080/");

driver.FindElement(By.Name("sellerName")).Click();

driver.FindElement(By.Name("sellerName")).Clear();

driver.FindElement(By.Name("sellerName")).SendKeys("keval");

driver.FindElement(By.Name("city")).Clear();

driver.FindElement(By.Name("city")).SendKeys("kitchener");

driver.FindElement(By.Name("phoneNumber")).Clear();

driver.FindElement(By.Name("phoneNumber")).SendKeys("226-669-5236");

driver.FindElement(By.Name("email")).Clear();

driver.FindElement(By.Name("email")).SendKeys("keval@gmail.com");

driver.FindElement(By.Name("manufacturer")).Clear();

driver.FindElement(By.Name("manufacturer")).SendKeys("maruti");

driver.FindElement(By.Name("model")).Clear();

driver.FindElement(By.Name("model")).SendKeys("swift");

driver.FindElement(By.Name("year")).Clear();

driver.FindElement(By.Name("year")).SendKeys("2018");

driver.FindElement(By.Name("sellerName")).Click();

driver.FindElement(By.XPath("(.//\*[normalize-space(text()) and normalize-space(.)='Buy or Sell - always get the very Best'])[1]/following::div[3]")).Click();

driver.FindElement(By.XPath("//div[@id='app']/div/div[2]/div/div/button")).Click();

}

[Test]

public void testForm\_inputDataWithInvalidMobileNumber\_outputGiveErrorInvalidNumber()

{

driver.Navigate().GoToUrl("http://localhost:8080/");

driver.FindElement(By.Name("sellerName")).Click();

driver.FindElement(By.Name("sellerName")).Clear();

driver.FindElement(By.Name("sellerName")).SendKeys("keval goti");

driver.FindElement(By.Name("address")).Clear();

driver.FindElement(By.Name("address")).SendKeys("37, vanier");

driver.FindElement(By.Name("city")).Clear();

driver.FindElement(By.Name("city")).SendKeys("cambridge");

driver.FindElement(By.Name("phoneNumber")).Clear();

driver.FindElement(By.Name("phoneNumber")).SendKeys("5236955874582");

driver.FindElement(By.Name("email")).Clear();

driver.FindElement(By.Name("email")).SendKeys("kevalgoti@gmail.com");

driver.FindElement(By.Name("manufacturer")).Clear();

driver.FindElement(By.Name("manufacturer")).SendKeys("maruti");

driver.FindElement(By.Name("model")).Clear();

driver.FindElement(By.Name("model")).SendKeys("swift");

driver.FindElement(By.Name("year")).Clear();

driver.FindElement(By.Name("year")).SendKeys("2018");

driver.FindElement(By.XPath("//div[@id='app']/div/div[2]/div/div/button")).Click();

}

[Test]

public void testForm\_inputLeaveEmptyFields\_outputGiveErrorAllFieldRequired()

{

driver.Navigate().GoToUrl("http://localhost:8080/");

driver.FindElement(By.XPath("//div[@id='app']/div/div[2]/div/div/button")).Click();

}

private bool IsElementPresent(By by)

{

try

{

driver.FindElement(by);

return true;

}

catch (NoSuchElementException)

{

return false;

}

}

private bool IsAlertPresent()

{

try

{

driver.SwitchTo().Alert();

return true;

}

catch (NoAlertPresentException)

{

return false;

}

}

private string CloseAlertAndGetItsText()

{

try

{

IAlert alert = driver.SwitchTo().Alert();

string alertText = alert.Text;

if (acceptNextAlert)

{

alert.Accept();

}

else

{

alert.Dismiss();

}

return alertText;

}

finally

{

acceptNextAlert = true;

}

}

}

}