ASSIGNMENT 4

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# Decision Tables

## Table 1: listing out all the possible / valid combinations



## Table 2: showing the “don’t care” situations



## Table 3: showing the reduced set of rows



# Test Cases



# Source code

// Generated by Selenium IDE

using System;

using System.Collections;

using System.Collections.Generic;

using System.Linq;

using System.Threading;

using OpenQA.Selenium;

using OpenQA.Selenium.Chrome;

using OpenQA.Selenium.Firefox;

using OpenQA.Selenium.Remote;

using OpenQA.Selenium.Support.UI;

using OpenQA.Selenium.Interactions;

using NUnit.Framework;

[TestFixture]

public class TestClass

{

    public String baseURL = "http://localhost/prog8170a04/";

    private IWebDriver driver;

    public IDictionary<string, object> vars { get; private set; }

    private IJavaScriptExecutor js;

    [SetUp]

    public void SetUp()

    {

        driver = new ChromeDriver();

        js = (IJavaScriptExecutor)driver;

        vars = new Dictionary<string, object>();

    }

    [TearDown]

    protected void TearDown()

    {

        driver.Quit();

    }

    [Test]

    public void insuranceTestQuote01\_Age25Experience3Accident0\_Expect4500()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("25");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("3");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("0");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo("$4500"));

        }

    }

    [Test]

    public void insuranceTestQuote02\_Age25Experience3Accident2\_Expect4500()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("25");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("3");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("2");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo("$4500"));

        }

    }

    [Test]

    public void insuranceTestQuote03\_Age35Experience10Accident4\_ExpectRefused()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("35");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("10");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("4");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo("No Insurance for you!!  Too many accidents - go take a course!"));

        }

    }

    [Test]

    public void insuranceTestQuote04\_InvalidPhoneAge27Experience3Accident0\_VerifyErrorOnPhone()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("1111-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("27");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("3");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("0");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        Assert.That(driver.FindElement(By.Id("phone-error")).Text, Is.EqualTo("Phone Number must follow the patterns 111-111-1111 or (111)111-1111"));

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo(""));

        }

    }

    [Test]

    public void insuranceTestQuote05\_InvalidEmailAge28Experience3Accident0\_VerifyErrorOnEmail()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("28");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("3");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("0");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        Assert.That(driver.FindElement(By.Id("email-error")).Text, Is.EqualTo("Must be a valid email address"));

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo(""));

        }

    }

    [Test]

    public void insuranceTestQuote06\_InvalidPostalCodeAge35Experience17Accident1\_VerifyErrorOnPostalCode()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("111111");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("35");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("17");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("1");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        Assert.That(driver.FindElement(By.Id("postalCode-error")).Text, Is.EqualTo("Postal Code must follow the pattern A1A 1A1"));

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo(""));

        }

    }

    [Test]

    public void insuranceTestQuote07\_OmittedAgeExperience5Accident0\_VerifyErrorOnAge()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("5");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("0");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        Assert.That(driver.FindElement(By.Id("age-error")).Text, Is.EqualTo("Age (>=16) is required"));

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo(""));

        }

    }

    [Test]

    public void insuranceTestQuote08\_Age37Experience8OmittedAccident\_VerifyErrorOnAccident()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("37");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("8");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        Assert.That(driver.FindElement(By.Id("accidents-error")).Text, Is.EqualTo("Number of accidents is required"));

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo(""));

        }

    }

    [Test]

    public void insuranceTestQuote16\_Age40Experience12Accident2\_Expect2190()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("40");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("12");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("2");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo("$2190"));

        }

    }

    [Test]

    public void insuranceTestQuote15\_Age35Experience6Accident1\_Expect3285()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("35");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("6");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("1");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo("$3285"));

        }

    }

    [Test]

    public void insuranceTestQuote14\_Age34Experience1Accident1\_Expect4500()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("34");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("1");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("1");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo("$4500"));

        }

    }

    [Test]

    public void insuranceTestQuote13\_Age32Experience0Accident0\_Expect6000()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("32");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("0");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("0");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo("$6000"));

        }

    }

    [Test]

    public void insuranceTestQuote12\_Age29Experience10Accident0\_Expect3000()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("29");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("10");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("0");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo("$3000"));

        }

    }

    [Test]

    public void insuranceTestQuote11\_Age29Experience1Accident1\_Expect4500()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("29");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("1");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("1");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo("$4500"));

        }

    }

    [Test]

    public void insuranceTestQuote10\_Age26Experience0Accident0\_Expect6000()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("26");

        driver.FindElement(By.Id("experience")).Click();

        driver.FindElement(By.Id("experience")).SendKeys("0");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("0");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo("$6000"));

        }

    }

    [Test]

    public void insuranceTestQuote09\_Age45OmittedExperienceAccident0\_VerifyErrorOnExperience()

    {

        // Arrange

        driver.Navigate().GoToUrl(baseURL);

        driver.Manage().Window.Size = new System.Drawing.Size(732, 860);

        // Act

        driver.FindElement(By.CssSelector(".btn")).Click();

        driver.FindElement(By.Id("firstName")).Click();

        driver.FindElement(By.Id("firstName")).SendKeys("Siyu");

        driver.FindElement(By.Id("lastName")).SendKeys("Liu");

        driver.FindElement(By.Id("address")).SendKeys("Albert Street");

        driver.FindElement(By.Id("city")).SendKeys("Waterloo");

        driver.FindElement(By.Id("province")).Click();

        driver.FindElement(By.CssSelector(".col-md-2")).Click();

        driver.FindElement(By.Id("postalCode")).Click();

        driver.FindElement(By.Id("postalCode")).SendKeys("N2L 3v5");

        driver.FindElement(By.Id("phone")).Click();

        driver.FindElement(By.Id("phone")).SendKeys("604-123-4321");

        driver.FindElement(By.Id("email")).SendKeys("sliu9412@conestogac.on.ca");

        driver.FindElement(By.Id("age")).Click();

        driver.FindElement(By.Id("age")).SendKeys("45");

        driver.FindElement(By.Id("accidents")).Click();

        driver.FindElement(By.Id("accidents")).SendKeys("0");

        driver.FindElement(By.CssSelector("body")).Click();

        driver.FindElement(By.Id("btnSubmit")).Click();

        // Assert

        Assert.That(driver.FindElement(By.Id("experience-error")).Text, Is.EqualTo("Years of experience is required"));

        {

            string value = driver.FindElement(By.Id("finalQuote")).GetAttribute("value");

            Assert.That(value, Is.EqualTo(""));

        }

    }

}

# Test Explorer Screenshot

A screenshot of a computer

Description automatically generated

# Version Control Record

<https://dev.azure.com/Sliu9412/_git/Assignment4>

## Commits

A screenshot of a computer

Description automatically generated