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1 using System;
2 using NUnit.Framework;
3 using OpenQA.Selenium;
4 using OpenQA.Selenium.Chrome;
5 using OpenQA.Selenium.Firefox;
6 using OpenQA.Selenium.Support.UI;
7 using OpenQA.Selenium.Interactions;
8
9 namespace SeleniumProjectForSellMyCar.com
10 {
11     [TestFixture]
12     public class Tests
13     {
14         private IWebDriver driver;
15         private string baseURL;
16
17         [SetUp]
18         public void SetupTest()
19         {
20             driver = new FirefoxDriver();
21             baseURL = "http://localhost/qa4/website/";
22         }
23
24         [TearDown]
25         public void TeardownTest()
26         {
27             if (driver != null)
28             {
29                 driver.Quit();
30             }
31         }
32
33
34         [Test]
35         public void SellMyCar_FindSellNewCarButton_ButtonExists()
36         {
37
38             driver.Navigate().GoToUrl(baseURL);
39
40             // Wait for 10 seconds for the following check to occur.
41             WebDriverWait wait = new WebDriverWait(driver, TimeSpan.FromSeconds ➤
42                 (10));
43             wait.Until(d => d.FindElement(By.XPath("//*[@id='newCarButton']")) != ➤
44                 null);
45         }
46
47         [Test]
48         public void SellMyCar_FindSearchForCarsButton_ButtonExists()
49         {
50             driver.Navigate().GoToUrl(baseURL);
51
52             // Wait for 10 seconds for the following check to occur.
```

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51         WebDriverWait wait = new WebDriverWait(driver, TimeSpan.FromSeconds ➤
           (10));
52         wait.Until(d => d.FindElement(By.XPath("//* ➤
           [@id='searchCarsButton']")) != null);
53     }
54
55     [Test]
56     public void SellMyCar_ClickOnSellNewCar_SellingFormModalOpens()
57     {
58         driver.Navigate().GoToUrl(baseUrl);
59
60         IWebElement button = null;
61
62         WebDriverWait wait = new WebDriverWait(driver, TimeSpan.FromSeconds ➤
           (10));
63         wait.Until(d => (button = d.FindElement(By.XPath("//* ➤
           [@id='newCarButton']")))) != null);
64
65         IJavaScriptExecutor executor = (IJavaScriptExecutor)driver;
66         executor.ExecuteScript("arguments[0].click();", button);
67
68         // Wait for 10 seconds and check if Selling Form opens.
69         wait.Until(d => d.FindElement(By.XPath("//*[@id='modalSellingForm']/ ➤
           div/div/div[1]")) != null);
70     }
71
72     [Test]
73     public void SellMyCar_FillSellingForm_CorrectURLDisplayed()
74     {
75         driver.Navigate().GoToUrl(baseUrl);
76
77         IWebElement button = null;
78
79         WebDriverWait wait = new WebDriverWait(driver, TimeSpan.FromSeconds ➤
           (10));
80         wait.Until(d => (button = d.FindElement(By.XPath("//* ➤
           [@id='newCarButton']")))) != null);
81
82         IJavaScriptExecutor executor = (IJavaScriptExecutor)driver;
83         executor.ExecuteScript("arguments[0].click();", button);
84
85         // Wait for 10 seconds and check if Selling Form opens.
86         wait.Until(d => d.FindElement(By.XPath("//*[@id='modalSellingForm']/ ➤
           div/div/div[1]")) != null);
87
88         string script = "arguments[0].setAttribute('value', arguments[1]);";
89
90         IWebElement inputControl = driver.FindElement(By.XPath("//* ➤
           [@id='form1']"));
91         executor.ExecuteScript(script, inputControl, "Shubham");
92
93         inputControl = driver.FindElement(By.XPath("//*[@id='form2']"));

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94         executor.ExecuteScript(script, inputControl, "12, 123 AB CD");
95
96         inputControl = driver.FindElement(By.XPath("//*[@id='form3']"));
97         executor.ExecuteScript(script, inputControl, "Kitchener");
98
99         inputControl = driver.FindElement(By.XPath("//*[@id='form4']"));
100        executor.ExecuteScript(script, inputControl, "123-123-1234");
101
102        inputControl = driver.FindElement(By.XPath("//*[@id='form5']"));
103        executor.ExecuteScript(script, inputControl, "shubham.sharma0677@gmail.com");
104
105        inputControl = driver.FindElement(By.XPath("//*[@id='form6']"));
106        executor.ExecuteScript(script, inputControl, "2012 Ford Mustang");
107
108        button = driver.FindElement(By.XPath("//*[@id='sellingForm']/div[7]/button"));
109        executor.ExecuteScript("arguments[0].click();", button);
110
111        IWebElement successMessageBox = null;
112        wait.Until(d => (successMessageBox = d.FindElement(By.Id("url"))) != null);
113
114        string generatedURL = successMessageBox.Text;
115
116        Assert.AreEqual("http://www.jdpower.com/cars/Ford/Mustang/2012", generatedURL);
117    }
118
119    [Test]
120    public void SellMyCar_InvalidPhoneNumberInSellingForm_ShowsError()
121    {
122        driver.Navigate().GoToUrl(baseUrl);
123
124        IWebElement button = null;
125
126        WebDriverWait wait = new WebDriverWait(driver, TimeSpan.FromSeconds(20));
127        wait.Until(d => (button = d.FindElement(By.XPath("//*[@id='newCarButton']"))) != null);
128
129        IJavaScriptExecutor executor = (IJavaScriptExecutor)driver;
130        executor.ExecuteScript("arguments[0].click();", button);
131
132        // Wait for 10 seconds and check if Selling Form opens.
133        wait.Until(d => d.FindElement(By.XPath("//*[@id='modalSellingForm']/div/div/div[1]")) != null);
134
135        wait.Until(ExpectedConditions.ElementIsVisible(By.XPath("//*[@id='form4']")));
136
137        var phoneNumberInputField = driver.FindElement(By.XPath("//*[@id='form4']"/>
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        [id='form4']"));
138     phoneNumberInputField.Click();
139     phoneNumberInputField.SendKeys("1231231234");
140
141     var phoneNumberErrorSpan = driver.FindElement(By.Id("form4Error"));
142
143     Assert.AreEqual("Please enter number in correct format: 123-123-1234 or (123) 123-1234", phoneNumberErrorSpan.Text);
144 }
145
146 [Test]
147 public void SellMyCar_SubmitSellingFormWithoutFillingAllFields_ShowsFillAllFieldsMessage()
148 {
149     driver.Navigate().GoToUrl(baseUrl);
150
151     IWebElement button = null;
152
153     WebDriverWait wait = new WebDriverWait(driver, TimeSpan.FromSeconds(10));
154     wait.Until(d => (button = d.FindElement(By.XPath("//*[@id='newCarButton']"))) != null);
155
156     IJavaScriptExecutor executor = (IJavaScriptExecutor)driver;
157     executor.ExecuteScript("arguments[0].click();", button);
158
159     // Wait for 10 seconds and check if Selling Form opens.
160     wait.Until(d => d.FindElement(By.XPath("//*[@id='modalSellingForm']/div/div/div[1]")) != null);
161
162     wait.Until(ExpectedConditions.ElementIsVisible(By.XPath("//*[@id='form1']")));
163
164     var inputControl = driver.FindElement(By.Id("form1"));
165     inputControl.SendKeys("Shubham");
166
167     inputControl = driver.FindElement(By.Id("form2"));
168     inputControl.SendKeys("12, 123 ab cd");
169
170     inputControl = driver.FindElement(By.Id("form3"));
171     inputControl.SendKeys("Kitchener");
172
173     inputControl = driver.FindElement(By.Id("form4"));
174     inputControl.SendKeys("123-123-1234");
175
176     inputControl = driver.FindElement(By.Id("form5"));
177     inputControl.SendKeys("123@gmail.com");
178
179     driver.FindElement(By.Id("formSubmitButton")).Click();
180
181     IWebElement messageBox = null;
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182      wait.Until(d => (messageBox = d.FindElement(By.Id("url-jd"))) !=  ↗
        null);
183
184      string message = messageBox.Text;
185
186      Assert.AreEqual("Please fill all fields before submitting form",  ↗
        message);
187  }
188
189  [Test]
190  public void  ↗
        SellMyCar_SubmitNewPostAndSearchForCars_NewPostAppearsAsFirstInSearchLi  ↗
        st()
191  {
192      driver.Navigate().GoToUrl(baseUrl);
193
194      IWebElement button = null;
195
196      WebDriverWait wait = new WebDriverWait(driver, TimeSpan.FromSeconds  ↗
        (10));
197      wait.Until(d => (button = d.FindElement(By.XPath("//*[@  ↗
        [id='newCarButton']"))) != null);
198
199      IJavaScriptExecutor executor = (IJavaScriptExecutor)driver;
200      executor.ExecuteScript("arguments[0].click();", button);
201
202      // Wait for 10 seconds and check if Selling Form opens.
203      wait.Until(d => d.FindElement(By.XPath("//*[@id='modalSellingForm']/  ↗
        div/div/div[1]"))) != null);
204
205      string script = "arguments[0].setAttribute('value', arguments[1]);";
206
207      IWebElement inputControl = driver.FindElement(By.XPath("//*[@  ↗
        [id='form1']"));
208      executor.ExecuteScript(script, inputControl, "Shubham Sharma");
209
210      inputControl = driver.FindElement(By.XPath("//*[@id='form2']"));
211      executor.ExecuteScript(script, inputControl, "1, 111 Green Valley  ↗
        Drive");
212
213      inputControl = driver.FindElement(By.XPath("//*[@id='form3']"));
214      executor.ExecuteScript(script, inputControl, "Kitchener");
215
216      inputControl = driver.FindElement(By.XPath("//*[@id='form4']"));
217      executor.ExecuteScript(script, inputControl, "999-999-9999");
218
219      inputControl = driver.FindElement(By.XPath("//*[@id='form5']"));
220      executor.ExecuteScript(script, inputControl, "test2@gmail.com");
221
222      inputControl = driver.FindElement(By.XPath("//*[@id='form6']"));
223      executor.ExecuteScript(script, inputControl, "2012 Ford Mustang");
224

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```
225         button = driver.FindElement(By.XPath("//*[@id='sellingForm']/div[7]/button"));
226         executor.ExecuteScript("arguments[0].click();", button);
227
228         IWebElement successMessageBox = null;
229         wait.Until(d => (successMessageBox = d.FindElement(By.Id("url"))) != null);
230
231         driver.FindElement(By.Id("sellingFormModalCloseButton")).Click();
232
233         driver.FindElement(By.Id("searchCarsButton")).Click();
234         driver.FindElement(By.Id("searchCarsButton")).Click();
235
236         wait.Until(ExpectedConditions.ElementIsVisible(By.XPath("//*[@id='post1']/div[1]")));
237
238         Assert.AreEqual("Ford Mustang 2012", driver.FindElement(By.XPath("//*[@id='post1']/div[1]")).Text);
239         Assert.AreEqual("Seller's name:Shubham Sharma", driver.FindElement
240             (By.XPath("//*[@id='post1']/div[2]/h4")).Text);
241         Assert.AreEqual("http://www.jdpower.com/cars/Ford/Mustang/2012",
242             driver.FindElement(By.XPath("//*[@id='post1']/div[3]/p/a")).Text);
243     }
244 }
```