***C# Selenium Test***

by vidya

1. Login to facbook
2. using OpenQA.Selenium;
3. using OpenQA.Selenium.Chrome;
4. using OpenQA.Selenium.Firefox;
5. using System;
6. namespace ConsoleApp1
7. {
8. class Program
9. {
10. static void Main(string[] args)
11. {
12. //IWebDriver driver = new ChromeDriver();
13. IWebDriver driver = new FirefoxDriver();
14. driver.Url= "https://www.facebook.com/";
15. driver.FindElement(By.Id("email")).SendKeys("vidya@gmail.com");
16. driver.FindElement(By.Id("pass")).SendKeys("123456789" + Keys.Enter);
17. //driver.FindElement(By.Id("u\_0\_4")).Click();
19. driver.Close();
20. //Console.WriteLine("Naukri Website home page is displayed!");
21. }
22. }
23. }

b) Login to naukri Website

WebElements Commands in Selenium WebDriver with C Sharp

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| ***Commands*** | ***Description*** | ***Syntax*** |
| *Click()* | *This method is used to click on webelement.* | *void IWebElement.Click()* |
| *SendKeys(String value)* | *This method is used to send values to webelement.* | *void IWebElement.SendKeys(String value)*  *where value is the value to be entered in webelement.* |
| *Close()* | *This method closes the browser window that the driver has focus of.* | *void IWebDriver.Close()* |
| *Dispose()* | *This method closes all browser windows and safely ends the session* | *void IWebDriver.Dispose()* |
| *Quit()* | *This method internally calls Dispose() method* | *void IWebDriver.Quit()* |
| *FindElement()* | *This method is used to Find first WebElement in webpage using some properties like Xpath, ClassName, CssSelector, Id, etc..* | *IWebElement ISearchContext.FindElement(By.Xpath(xpathexpression))*  *Return type of FindElement method is IWebElement.* |
| *FindElements()* | *This method is used to Find WebElements in webpage using some properties like Xpath, ClassName, CssSelector, Id, etc..* | *<IWebElement> ISearchContext.FindElements(By.Xpath(xpathexpression))*  *Return type of FindElements method is array of WebElements.* |
| *SwitchTo()* | *This method is used to switch to Frames, Windows, Alert, ActiveElement* | *ITargetLocator IWebDriver.SwitchTo()*  *return type is the target locator.* |
| *Manage()* | *This method is used to perform windows based operations like maximize, minimize etc..* | *IOptions IWebDriver.Manage()*  *return type is options* |

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| Submit() | This method will submit the form and will send to server. I personally don’t use this. | *driver.FindElement(By.Id(“”)).Submit();* |
| GetAttribute() | This method will fetch attribute from WebElement and will return as String | String  data=driver.FindElement(By.Id(“”)).GetAttribute(“Attribute Name”); |
| GetCssValue() | This method will return css attribute of WebElement which you will pass and will return String value | String data=driver.FindElement(By.Id(“”)).GetCssValue(“CSS Attribute”); |
| **Properties** | ***Description*** | ***Syntax*** |
| Text | Capture the text from WebElement and return String | String data=driver.FindElement(By.Id(“”)).Text; |
| Selected | This will get whether element is Selected or not and this will be only applicable for input type like Radio button, Checkbox etc | Boolean data=driver.FindElement(By.Id(“”)).Selected; |
| Enabled | This will check whether element is enabled or not and return Boolean | Boolean data=driver.FindElement(By.Id(“”)).Enabled; |
| Displayed | This will check of element presence in DOM and will return Boolean | Boolean data=driver.FindElement(By.Id(“”)).Displayed; |
| TagName | It finds the TagName of element and return as a String | String data=driver.FindElement(By.Id(“”)).TagName; |
| Size | It returns the Size of WebElement like Widht and Height | int height=driver.FindElement(By.Id(“”)).Size.Height; int width = driver.FindElement(By.Id(“”)).Size.Width; |

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| --- | --- | --- |
| Location | It help us to find coordinates  of WebElement | int x = driver.FindElement(By.Id(“”)).Location.X; int y = driver.FindElement(By.Id(“”)).Location.Y; |