**Handling Frames:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using OpenQA.Selenium;

using OpenQA.Selenium.Chrome;

using System.Threading;

namespace CSharpTestingExamples.seleniumtests

{

class FramesDemo

{

public static IWebDriver oBrowser = null;

public static void intialize()

{

oBrowser = new ChromeDriver();

Thread.Sleep(5000);

oBrowser.Manage().Window.Maximize();

}

public static void navigate()

{

oBrowser.Navigate().GoToUrl("https://seleniumhq.github.io/selenium/docs/api/java/index.html");

Thread.Sleep(5000);

}

public static void framesDemo()

{

oBrowser.SwitchTo().Frame(0);

oBrowser.FindElement(By.LinkText("org.openqa.selenium")).Click();

Thread.Sleep(4);

oBrowser.SwitchTo().DefaultContent();

Thread.Sleep(4);

oBrowser.SwitchTo().Frame("packageFrame");

Thread.Sleep(4);

oBrowser.FindElement(By.LinkText("WebDriver")).Click();

Thread.Sleep(4);

oBrowser.SwitchTo().DefaultContent();

IWebElement oEle = oBrowser.FindElement(By.XPath("//frame[@title='Package, class and interface descriptions']"));

Thread.Sleep(4);

oBrowser.SwitchTo().Frame(oEle);

string content = oBrowser.FindElement(By.XPath("/html/body/div[4]")).Text;

Console.WriteLine(content);

}

}

}

using CSharpTestingExamples.ExamplePrograms;

using OpenQA.Selenium;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using OpenQA.Selenium.Chrome;

using System.Threading;

using CSharpTestingExamples.seleniumtests;

namespace CSharpTestingExamples

{

class Program

{

static void Main(string[] args)

{

FramesDemo.intialize();

FramesDemo.navigate();

FramesDemo.framesDemo();

}

}

}

**Handling Popup Browsers:**

using OpenQA.Selenium;

using OpenQA.Selenium.Chrome;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Threading;

using System.Collections.ObjectModel;

namespace CSharpTestingExamples.seleniumtests

{

class PopupBrowsers

{

public static IWebDriver oBrowser = null;

public static void intialize()

{

oBrowser = new ChromeDriver();

Thread.Sleep(5000);

oBrowser.Manage().Window.Maximize();

}

public static void navigate()

{

oBrowser.Navigate().GoToUrl("http://popuptest.com/");

Thread.Sleep(5000);

}

public static void popupTest()

{

try

{

IWebElement oLink = oBrowser.FindElement(By.LinkText("Multi-PopUp Test"));

Console.WriteLine("Before Click on Link # of popups :" + GetPopupCount());

oBrowser.FindElement(By.LinkText("Multi-PopUp Test")).Click();

Console.WriteLine("After Click on Link # of popups :" + GetPopupCount());

if (GetPopupCount() > 0)

{

closePopups();

}

}catch(Exception e)

{

Console.WriteLine(e.ToString());

}

}

public static void closePopups()

{

string parentbrowser = oBrowser.CurrentWindowHandle;

Console.WriteLine("Parent Browser :" + parentbrowser);

ReadOnlyCollection<string> childbrowsers=oBrowser.WindowHandles;

for (int i=1;i< childbrowsers.Count;i++)

{

Console.WriteLine(childbrowsers.ElementAt(i));

Thread.Sleep(4);

}

oBrowser.SwitchTo().Window(childbrowsers.ElementAt(i).ToString());

Thread.Sleep(4);

String title = oBrowser.Title;

Console.WriteLine(title);

String url = oBrowser.Url;

Console.WriteLine(url);

Console.WriteLine("++++++++++++++++++++++++++");

oBrowser.Close();

}

}

public static int GetPopupCount()

{

int count = 0;

count = oBrowser.WindowHandles.Count - 1;

return count;

}

}

}

using CSharpTestingExamples.ExamplePrograms;

using OpenQA.Selenium;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using OpenQA.Selenium.Chrome;

using System.Threading;

using CSharpTestingExamples.seleniumtests;

namespace CSharpTestingExamples

{

class Program

{

static void Main(string[] args)

{

PopupBrowsers.intialize();

PopupBrowsers.navigate();

PopupBrowsers.popupTest();

PopupBrowsers.closePopups();

}

}

}

**Handling Windows Components: (Keyborad Operations)**

using OpenQA.Selenium;

using OpenQA.Selenium.Chrome;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Threading;

using System.Windows.Forms;

namespace CSharpTestingExamples.seleniumtests

{

class ImportTasks

{

public static IWebDriver oBrowser = null;

public static void intialize()

{

oBrowser = new ChromeDriver();

Thread.Sleep(5000);

oBrowser.Manage().Window.Maximize();

}

public static void navigate()

{

oBrowser.Navigate().GoToUrl("http://localhost/login.do");

Thread.Sleep(5000);

}

public static void login()

{

oBrowser.FindElement(By.Id("username")).SendKeys("admin");

oBrowser.FindElement(By.Name("pwd")).SendKeys("manager");

oBrowser.FindElement(By.XPath("//\*[@id='loginButton']/div")).Click();

Thread.Sleep(5000);

}

public static void importTask()

{

oBrowser.FindElement(By.XPath("//\*[@id='topnav']/tbody/tr[1]/td[3]/a/div[2]")).Click();

Thread.Sleep(2000);

oBrowser.FindElement(By.Id("gettingStartedShortcutsPanelId")).Click();

Thread.Sleep(2000);

oBrowser.FindElement(By.XPath("//div[text()='Add New Task']")).Click();

Thread.Sleep(2000);

oBrowser.FindElement(By.XPath("//div[text()='Import tasks from CSV']")).Click();

Thread.Sleep(3000);

oBrowser.FindElement(By.Id("dropzoneClickableArea")).Click();

Thread.Sleep(3000);

SendKeys.SendWait(@"F:\KK\Sample.csv");

Thread.Sleep(3000);

SendKeys.SendWait(@"{ENTER}");

Thread.Sleep(3000);

}

}

}

using CSharpTestingExamples.ExamplePrograms;

using OpenQA.Selenium;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using OpenQA.Selenium.Chrome;

using System.Threading;

using CSharpTestingExamples.seleniumtests;

namespace CSharpTestingExamples

{

class Program

{

static void Main(string[] args)

{

ImportTasks.intialize();

ImportTasks.navigate();

ImportTasks.login();

ImportTasks.importTask();

}

}

}