\*\*\*\*\*\*\*\*\*\*\*\*\*Selenium Class 06 \*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Handling Alerts in selenium \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

What is an alert?

Alert is the popup message that u get on your application.

Alert takes the focus of our main screen/page.

We can not proceed until we hvae handled this alert

Types of alerts :

1.WebBased Alerts/html Alerts:We can simply inspect them and deal with thim ina regular way

2.javascript alerts :We can handle these alerts by using Alert interface in selenium.

3.Window based alert: We can not handle them in selenium

Types of JavaScript alerts:

1. Simple Alert - click ok

2. confirmation alert - either cancel or click ok

3. prompt alert - enter text and then click ok

To handle JS alerts we only have 4 methods

1. accept() - click ok

2. dismiss() - click cancel

3. getText()

4. sendKeys()

Authentication alert:

To handle authentication alerts we need to pass username and password in the URL

https://admin:admin@the-internet.herokuapp.com/basic\_auth

admin:admin

password:admin

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Frames\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Frame is a separate independent window in our webpage

frames allow devs to represent multiple views on one page

3 ways to interact with Frames:

1. by index

2. by name or ID

3. by WebElement

in alerts - switch manually to alert and switch automatically back

in frames - switch manually to a frame and switch manually back to the main page

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1.WebBase or Html alerts --> inspect them and like deal with em ina regular manner

2.Java Script alert -->ca u inspect ? No!!!

how do u deal with them?

alert interface to deal with them.

Appraoch to use alert interface ?

once the alert appears

Alert X=driver.switchTo.alert();

x.Accept();

x.Dismiss();

X.sendleys();

x.getText();

3.Window based Alert-- > No we can not handle them using selenium

1. when ever we want to deal with an element inside a frame , can we appraoch it directly by standing on the main page?

NO we can not

2.appraoch to dela with an element isnide a frame

1.driver.SwitchTo.frame();

2.Then deal with that element;

XXX) Techniques to switch to a frame :

1.By Index; --> indexing starts from 0

2. by Name or Id--> the name and id in the tag "as an attribute" <iframe name ="frame1" ,id="abc">

3.By Webelement -->

the arppraoch to swithc using webElement

1. to find the xpath if the frame

2. driver findElement (xpath)

3 driver.switchTO.frame(Webelement)

Alerts

package com.Syntax.class06;

import org.openqa.selenium.Alert;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Alerts {

public static void main(String[] args) throws InterruptedException {

// set the path to the driver to link it with our class on mac u dont need .exe on windows u need .exe

System.setProperty("webdriver.chrome.driver", "Drivers/chromedriver.exe");

// create a WebDriver instance

WebDriver driver = new ChromeDriver();

// goto syntax project /dropDown demo

driver.get("https://syntaxprojects.com/javascript-alert-box-demo.php");

// find the button click me for the alert and click on it

WebElement simpleAlert = driver.findElement(By.xpath("//button[@onclick='myAlertFunction()']"));

simpleAlert.click();

Thread.sleep(2000);

// Handling the alert

Alert simpleAlert1 = driver.switchTo().alert();

simpleAlert1.accept();

// find the button for confirmation alert and click on it

WebElement confirmationAlert = driver.findElement(By.xpath("//button[@onclick='myConfirmFunction()']"));

confirmationAlert.click();

Alert confirmationAlert1 = driver.switchTo().alert();

confirmationAlert1.dismiss();

// find the prompt alert and send some text then accept it

WebElement propmptAlert = driver.findElement(By.xpath("//button[@onclick='myPromptFunction()']"));

propmptAlert.click();

// switch the focus to the alert

Alert propm1 = driver.switchTo().alert();

propm1.sendKeys("abracadabra");

propm1.accept();

}

}

Frames

package com.Syntax.class06;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class frames {

public static void main(String[] args) {

// set the path to the driver to link it with our class on mac u dont need .exe on windows u need .exe

System.setProperty("webdriver.chrome.driver", "Drivers/chromedriver.exe");

// create a WebDriver instance

WebDriver driver = new ChromeDriver();

// goto syntax project /dropDown demo

driver.get("https://chercher.tech/practice/frames");

// Task 1: Print the animals on screen and then Select Baby Cat From The drop Down

//Step1: switch to the frame using by index

driver.switchTo().frame(1);

// find the text animals and print on screen

WebElement animalText = driver.findElement(By.xpath("//b[text()='Animals :']"));

String text = animalText.getText();

System.out.println(text);

// check the check box

//seitch focu to the main page

driver.switchTo().defaultContent();

// switch to the frame containing the subframe which has checkbox

driver.switchTo().frame("frame1");

WebElement inputTxt = driver.findElement(By.xpath("//input"));

inputTxt.sendKeys("abracadbra");

// finding the frame through xpath and switching using BY Webelement method

WebElement frame3 = driver.findElement(By.xpath("//iframe[@id='frame3']"));

driver.switchTo().frame(frame3);

// find the checkbox

WebElement checkBox = driver.findElement(By.xpath("//input[@id='a']"));

checkBox.click();

}}