Selenium Class09

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Selenium Class08 \*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Waits\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

wait for webElement to be found --> Implicit wait

implicit wait --> global

scearnio:

webElement : <button id= "type"> button </button>

appears in the DOM after 10 seconds

======Explicit Wait------

Explicit wait are conditonal wait

it will wait till a certain condition is fulfiled or the timeout runs out

rough syntax:

wait.until.webElment to be displayed ()

real syntax for Explicit wait:

1. define the wait: WebDriverWait wait = new WebDriverWait(driver, 20);

2. Conditon : wait.until(ExpectedConditions.elmenttobeVisible(By.xpath("")));

-------------------Fluent waits---------------------

the fluent wait allows us to set the polling time for the particular webElement...

------------------------------------------revision-----------------------------------

1.waits

a.Implicit wait--> will wait until the webElement is found in the DOM

b.Explicit ------> it is a conditonal wait ---> e.g element to be visible, element to be clickable, element to be Selected

c.Fluent -------> We can set polling time in such waits , what is polling? frequency with which it checks the DOM for a WebElement

Explicit wait:

Appraoch :

a.to declare the WebDriver wait and set a time out

b. wait until your conditon is met (for a particular Webelement)

package com.Syntax.class09;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import java.util.List;

import java.util.concurrent.TimeUnit;

public class DynamicReview {

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();

driver.manage().timeouts().implicitlyWait(20, TimeUnit.SECONDS);

// maximize

driver.manage().window().maximize();

// go to the website

driver.get("http://secure.smartbearsoftware.com/samples/TestComplete11/WebOrders/Login.aspx?ReturnUrl=%2fsamples%2fTestComplete11%2fWebOrders%2fDefault.aspx");

// enter the username in the text box

WebElement username = driver.findElement(By.id("ctl00\_MainContent\_username"));

username.sendKeys("Tester");

// enter the password

WebElement password = driver.findElement(By.id("ctl00\_MainContent\_password"));

password.sendKeys("test");

// click on login button

WebElement loginButton = driver.findElement(By.id("ctl00\_MainContent\_login\_button"));

loginButton.click();

// check the checkBox that contains "screen saver" as a product

List<WebElement> secondColumn = driver.findElements(By.xpath("//table[@class='SampleTable']/tbody/tr/td[3]"));

// traverse through the list

for (int i = 0; i < secondColumn.size(); i++) {

String text = secondColumn.get(i).getText();

if(text.equalsIgnoreCase("MyMoney")){

int rowNumber = i + 1;

System.out.println("screen saver is found on row number :"+rowNumber);

// get the checbkbox on this row number and click it

WebElement checkBox = driver.findElement(By.xpath("//table[@class='SampleTable']/tbody/tr[" + (rowNumber + 1) + "]/td[1]"));

checkBox.click();

}

}

}

}

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import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import java.util.List;

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public class DynamicTables {

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loginButton.click();

// check the checkBox that contains "screen saver" as a product

List<WebElement> secondColumn = driver.findElements(By.xpath("//table[@class='SampleTable']/tbody/tr/td[3]"));

// traverse through the list

for(int i=0; i<secondColumn.size();i++){

// i=0

String columnText = secondColumn.get(i).getText(); //ScreenSaver

// check for the desired value

if(columnText.equalsIgnoreCase("MyMoney")){

// print out the index of the column/row which contains the Screen saver

System.out.println("the index of the row which contains the Screen Saver is "+ (i+1));

WebElement checkBox = driver.findElement(By.xpath("//table[@class='SampleTable']/tbody/tr[" + (i + 2) +"]/td[1]"));

checkBox.click();

// 8:40

}

}}}