\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CSS Selector (Cascading Styling Sheet)\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

it is another way of locating elements on the webpage

\*Syntax:

tagname[attribute = 'attribute value']

button[type = 'submit']

CSS does not give an opportunity to locate an element by its text

\*\*Shorcuts for CSS:

\*Shortcut for className --> "."

\*Syntax: tagname.classNameValue

input.form-control

\*Shortcut for ID -- "#"

Syntax: tagname#IDValue

input#twotabsearchtextbox

\*contains() method in css:

'\*' symbol represents contains method

tagname[attribute \*= 'partial attribute value']

input[placeholder \*= 'Email']

\*starts-with method in css:

^ symbol represents starts with method in css

tagname[attribute ^= 'starting attribute value']

input[type ^= 'password']

\*ends-with method in css:

$ symbol represents ends-with method in css

tagname[attribute $= 'ending attribute value']

img[src $= 'syntax.png']

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*WebElement Commands\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

WebElement Commands:

consist of several methods where we can perform actions and get element state

on the webpage

return type :boolean -----isEnabled()--> check if the radio button can be selected or not (if not selectable usually it is greyed out.

return type :boolean -----isSelected()-->checks if the radio button is selected or not (return true if selected)

return type :boolean -----isDisplayed() --> checks if the webElment is displayed on the page or not

return type :void----clear() --> to clear the text box

return type :String value -->getText() -- to get the text from the webElement (only works if text is there)

return type :String value -->getAttribute("attribtueName") -- to get the value of any attribute from the WebElement

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*FinElements\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Driver.FindElements() --> when we want to access mutliple WebElements from a website

return type: list of WebElements

Additional Methods

package com.Syntax.class04;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class AdditionalMethods {

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 syntaxProject.com simple-form-demo

driver.get("https://syntaxprojects.com/basic-radiobutton-demo.php");

// find the webElement button

WebElement btn = driver.findElement(By.cssSelector("button#buttoncheck"));

// get the text from the btn webelement

String text = btn.getText();

// print it on console

System.out.println("the text in the button is :"+text);

// get the value of the attribute "id" from this WebElement

String idvalue = btn.getAttribute("id");

// print it on the console

System.out.println("the value of the attribute id is :"+idvalue);

}

}

package com.Syntax.class04;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class CssSelector {

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 syntaxProject.com simple-form-demo

driver.get("https://syntaxprojects.com/basic-first-form-demo.php");

// get the webElment text box

// driver.findElement(By.cssSelector("input[placeholder \*= 'Please enter']")).sendKeys("Abracadbara");

// another method of doing the above operation

WebElement textBox = driver.findElement(By.cssSelector("input[placeholder \*= 'Please enter']"));

textBox.sendKeys("abracadbra");

// press the button show message

WebElement button = driver.findElement(By.cssSelector("button[onclick ^='showIn']"));

button.click();

}

}

class CssSelector

package com.Syntax.class04;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class CssSelector {

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 syntaxProject.com simple-form-demo

driver.get("https://syntaxprojects.com/basic-first-form-demo.php");

// get the webElment text box

// driver.findElement(By.cssSelector("input[placeholder \*= 'Please enter']")).sendKeys("Abracadbara");

// another method of doing the above operation

WebElement textBox = driver.findElement(By.cssSelector("input[placeholder \*= 'Please enter']"));

textBox.sendKeys("abracadbra");

// press the button show message

WebElement button = driver.findElement(By.cssSelector("button[onclick ^='showIn']"));

button.click();

}

}

Radio Buttons

package com.Syntax.class04;

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;

public class RadioButtons {

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 syntaxProject.com radio button

driver.get("https://syntaxprojects.com/basic-radiobutton-demo.php");

// get the radio button Male

WebElement maleRadioBtn = driver.findElement(By.xpath("//input[@name='optradio' and @value='Male']"));

// check if the radio btn is displayed

boolean displayStatus = maleRadioBtn.isDisplayed();

// print the display status

System.out.println("The radio button is Displayed :"+displayStatus);

// check weather the radio button male is Enabled

boolean enableStatus = maleRadioBtn.isEnabled();

System.out.println("The radio button is Enabled :"+enableStatus);

// check weather the radio button male is selcted

boolean selectStatus = maleRadioBtn.isSelected();

System.out.println("The radio button is selected :"+selectStatus);

//check if the radio button male is not selected then click on it

if(!selectStatus){

// perfrom a click operation on the radio button

maleRadioBtn.click();

}

selectStatus=maleRadioBtn.isSelected();

System.out.println("The radio button is selected :"+selectStatus);

}

}