Notes

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CheckBoxes\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Handling checkboxes

-- if you have only 1 checkbox - you can just click on it

-- if you have multiple choices - store them in List and loop through and select the one that u desire .

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\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*DropDowns\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Dropdown is a menu which gives us an opportunity to select one or

multiple options

Types of dropdowns:

1. Single select

2. Multiple select

Handling dropdowns:

Note : using Select class

in order to use Select class

we need to make sure our dropdown has

select tag

Steps to select using Select Class

1.find the WebElement that is having the select tag---> WebElement DD=driver.findWebElement(By.xapth("//select[@id='singleSelect']));"

2.in order to use select class--->Select sel=new Select(WebElement DD);

3.now u can use methods available to u in select class to select any option from drop down

Selecting an option from dropdown can be done in 3 ways using select tag:

a)sel.selectByIndex(int index)--> where index is the index of option (starts from 0)

b)sel.selectByValue(string Value)--> where Value is the value of attribute "value" in the DOM

c)sel.selectByVisibleText(String text)--> Where text is the text in the option tag

Rememeber:

in order to get all available options using select class u can use

sel.getallOptions() --> returns u a list of WebElements

Note: SIngle select and multiSelect DropDown works in the same manner the only difference is that

we can also Deselect from a multiDropDown;

In order to deselect any option in Multi Select dropdown:

-- Make sure your DD is multiple select ->.isMultiple() can be used for this (returns a boolean)

deselectByValue()

deselectByVisibleText()

deselectByIndex()

deselectAll()

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\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Advance Xpath\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

we have to use relations to get to the desired WebElement

following-sibling

preceding-sibling

Approach:

1.look for the closest approachable Webelement

2.Write down the xpath to get to the closest approachable

3.FInd relationship between closest approachable and our desired one ( add it to xpath)

Example:

<table class="drop-Down">

`<option value="Sunday">Sunday</option>

`<input id="3 3 3 " class= "33 33 333"/>

`<option value="Monday">Monday</option>

`<option value="Tuesday">Tuesday</option>

`<option value="Wednesday">abc</option>

`<option value="Thursday">Thursday</option>

</table>

syntax:

//tagname[@attribute = 'attribute value']/following-sibling::tagname

Answer:

//option[@value='Sunday']/following-sibling::input

Drop Down

package com.Syntax.class05;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.support.ui.Select;

import java.util.List;

public class DropDownDemo {

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/basic-select-dropdown-demo.php");

// maximize

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

// find the WebElement dropDwon by looking for select tag

WebElement dropDown = driver.findElement(By.xpath("//select[@id='select-demo']"));

// use Select class

Select select =new Select(dropDown);

// select an option by index

select.selectByIndex(5);

Thread.sleep(3000);

// select by visible Text

select.selectByVisibleText("Saturday");

Thread.sleep(3000);

// select by value

select.selectByValue("Sunday");

// get all the options available in the dropdown

List<WebElement> options = select.getOptions();

// traverse through the options

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

WebElement option = options.get(i);

String text = option.getText();

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

select.selectByIndex(i);

}

}

}

}

Get AllLinks

package com.Syntax.class05;

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 GetAlllinks {

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 ebay.com

driver.get("https://www.ebay.com/");

// get all the links i.e anchor tags from the website

List<WebElement> ebayLinks = driver.findElements(By.tagName("a"));

// print the size of the list "ebaylinks"

System.out.println("the size of the list is :" + ebayLinks.size());

// implementing a for loop to traverse through the list of WebElements

for(WebElement ebaylink :ebayLinks){

// extracting the value of attribute href because it contains the link embedded in the Webelement

String link = ebaylink.getAttribute("href");

// print the link

System.out.println(link);

}

}

}

CheckBoxDemo

package com.Syntax.class05;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class checkBoxDemo {

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 /checkbox demo

driver.get("http://syntaxprojects.com/basic-checkbox-demo.php");

// maximize

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

//find the checkbox

WebElement checkBox = driver.findElement(By.id("isAgeSelected"));

// click on it

checkBox.click();

}

}

ChckBoxDemo2

package com.Syntax.class05;

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 checkBoxDemo2 {

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 /checkbox demo

driver.get("http://syntaxprojects.com/basic-checkbox-demo.php");

// maximize

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

// find all the checkboxes

List<WebElement> checkBoxes = driver.findElements(By.xpath("//input[@class='cb1-element']"));

// traverse through list of checkboxes to find the desired one

for(WebElement checkBox:checkBoxes){

// get the attribute value to check if this is the right option to select

String optionName = checkBox.getAttribute("value");

// if condition to make sure it is the right checkbox

if(optionName.equalsIgnoreCase("Option-3")){

// if passed click on it

checkBox.click();

}

}

}

}

MultipleDropDown

package com.Syntax.class05;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.support.ui.Select;

import java.util.List;

public class mutlipleSelectDropDwon {

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/basic-select-dropdown-demo.php");

// maximize

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

// find the WebElement that contains the select class

WebElement DD = driver.findElement(By.xpath("//select[@id='multi-select']"));

// using select class

Select sel=new Select(DD);

// By index

sel.selectByIndex(3);

// by visible text

sel.selectByVisibleText("Texas");

Thread.sleep(3000);

// deselect by index

sel.deselectByIndex(3);

// write down the code to select all the options in the drop Down

List<WebElement> options = sel.getOptions();

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

sel.selectByIndex(i);

}

Thread.sleep(3000);

sel.deselectAll();

// how can u check if the drop Down is multi select or not using selenium?

boolean multiSelect = sel.isMultiple();

System.out.println(multiSelect);

}

}

package com.Syntax.reviewClass02;

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 checkBoxes {

public static void main(String[] args) {

// setting up the webDriver

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

// create an instance

WebDriver driver= new ChromeDriver();

// open the syntax

driver.get("https://www.ironspider.ca/forms/checkradio.htm");

// find the checkBoxes

List<WebElement> checkbxes = driver.findElements(By.xpath("//input[@name='color']"));

// what does this list contain?

// it contains all the 6 Webelements

for(WebElement checkBx:checkbxes){

String color = checkBx.getAttribute("value");

if(color.equalsIgnoreCase("blue")){

checkBx.click();

break;

}

}

}

}

package com.Syntax.reviewClass02;

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.Locale;

public class RadioButtons {

public static void main(String[] args) {

// setting up the webDriver

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

// create an instance

WebDriver driver= new ChromeDriver();

// open the syntax

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

// find the radio Button

List<WebElement> radioBtns = driver.findElements(By.xpath("//input[@name='ageGroup']"));

// traverse through the list of webElements

for(WebElement radioBtn:radioBtns){

// find the desired radio button

String option = radioBtn.getAttribute("value");

if(option.equalsIgnoreCase("0 - 15")){

// click on the radio Btn

radioBtn.click();

}

}

}

}

package com.Syntax.reviewClass02;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.support.ui.Select;

import java.util.List;

public class dropDown {

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

// setting up the webDriver

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

// create an instance

WebDriver driver= new ChromeDriver();

// open the fb.com

driver.get("https://www.facebook.com/");

// find the button create account and click on it

WebElement createAccountBtn = driver.findElement(By.xpath("//a[text()='Create New Account']"));

createAccountBtn.click();

// sleep for 3 seconds to wait for the window to open up

Thread.sleep(3000);

// Select the date from the down

// approach to use the select

// 1.Find the webElement that contains the select Tag

// 2.use Select class Select sel =new Select(Webelement)

// 1.Find the webElement that contains the select Tag

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

// 2.use Select class Select sel =new Select(Webelement)

Select sel=new Select(day);

// We have now three methods

// 1.Select by index

sel.selectByIndex(4);

Thread.sleep(2000);

// 2.Select by visible Text

sel.selectByVisibleText("31");

Thread.sleep(2000);

// 3.Select by Value

sel.selectByValue("16");

// .....................

// 1.find the WebElement

// 2. use the select class to intiate an instance

// 1.find the WebElement

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

// 2. use the select class to intiate an instance

Select selectMonth= new Select(month);

//

selectMonth.selectByVisibleText("Aug");

// print all the available months in the console

// gets u all the available options in the dropDown

List<WebElement> Options = selectMonth.getOptions();

// traverse through the loop and print each WebElement

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

String months = Options.get(i).getText();

System.out.println(months);

}

}