18-Feb-2020

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3. Checkbox:

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--> click() method used to check/uncheck the checkbox

--> isSelected() method used to verify that checkbox is checked/unchecked based on that it will return true/false

Ex-03: Write script to check and uncheck "Remember me" checkbox in Salesforce application

Script:

//To initialize browser

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

WebDriver driver= new ChromeDriver();

driver.get("https://login.salesforce.com");

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

//to select "Rememeber me" checkbox

driver.findElement(By.id("rememberUn")).click();

//to pause execution

Thread.sleep(5000);

//to uncheck the checkbox

driver.findElement(By.id("rememberUn")).click();

=============================================================================================================================

Ex-04: Create script to uncheck the 2nd checkbox in a page

(url: http://echoecho.com/htmlforms09.htm)

//To initialize browser

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

WebDriver driver= new ChromeDriver();

driver.get("http://echoecho.com/htmlforms09.htm");

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

//to uncheck the 2nd checkbox

driver.findElement(By.xpath("//td[@class='table8']/input[2]")).click();

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Ex-05: Write program to select all the checkboxes which are unchecked in a page

// to collect checkboxes info

// Array- more than one element

// find Elements- collection of objects

//To initialize browser

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

WebDriver driver= new ChromeDriver();

driver.get("http://echoecho.com/htmlforms09.htm");

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

//to collect checkboxes info.

List<WebElement> chcks=driver.findElements(By.name("Checkbox"));

System.out.println("Number of checkboxes are: "+chcks.size());

//to read one by one checkbox

for(WebElement chck : chcks) {

if(chck.isSelected()== false) {

chck.click();

}

}

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4. Working on Radio Buttons

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For radio buttons to select we can use click method()

Ex-6: Write script to select "Male" radio button in FB-Home Page

//To initialize browser

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

WebDriver driver= new ChromeDriver();

driver.get("http://facebook.com");

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

//to select "Male" Radiobutton

driver.findElement(By.xpath("//\*[text()='Male']")).click();

===================================================================================================================================

Ex-7: Write script to find number of radiobuttons in FB-home page, read name of each radio button by selecting one after one those elements

//To initialize browser

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

WebDriver driver= new ChromeDriver();

driver.get("http://facebook.com");

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

//to collect all the radiobuttons info

List<WebElement> radios=driver.findElements(By.className("\_58mt"));

System.out.println("Number of radiobuttons are: "+radios.size());

//to work on each radio button

for(WebElement radio: radios) {

//to read visibletext of radiobutton

System.out.println(radio.getText());

//to select radiobutton

radio.click();

Thread.sleep(3000);

}

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5. Working with dropdowns:

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There are 2 types of Dropdowns

(i) Auto-suggest dropdown (Ajax calls)

(ii) static dropdown

(i) Working with Auto-suggest Dropdown: (Asynchronization Javascript and XML-AJAX)

Where we can be able to enter data and then based on keyword it will display related values in that dropdown

- click() method used to select value and to focus on webelement

- sendKeys() method - to enter data

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Ex-8: Write script to select "Goa" in "From" dropdown from spice-jet Home Page

// to Initialize browser

System.setProperty("webdriver.gecko.driver", "./Drivers//geckodriver.exe");

WebDriver driver= new FirefoxDriver();

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

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

//to click on "From" dropdown

driver.findElement(By.name("ctl00\_mainContent\_ddl\_originStation1\_CTXT")).click();

//select " Goa (GOI)"

driver.findElement(By.linkText("Goa (GOI)")).click();

======================================================================================================================================

Ex-9: Write script to select "BRAHMADEVI-NLR" in "From" dropdown at APSRTC online application

// to Initialize browser

System.setProperty("webdriver.gecko.driver", "./Drivers//geckodriver.exe");

WebDriver driver= new FirefoxDriver();

driver.get("https://www.apsrtconline.in/oprs-web/");

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

//to enter "NLR" in From dropdown

driver.findElement(By.name("source")).sendKeys("NLR");

//to pause execution

Thread.sleep(4000);

//to select "BRAHMADEVI-NLR"

driver.findElement(By.linkText("BRAHMADEVI-NLR")).click();

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(ii) \*\*\* Working on Static Dropdowns

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Static Dropdowns will have fixed values from that we can select the values

--> In general for static dropdowns tagname will be "select"

--> To work on static dropdowns we need to use "Select" class

--> Select class provided in WD library which has some methods to work on static dropdowns

--> To use those methods on static dropdown we need to configure Select class for that dropdown

Syntax: { to configure Select class to dropdown }

Select obj= new Select (driver.findElement(By.locator Name(locator value));

// For static dropdown always use ("Select" class)

// For static dropdown- All the values already present in dropdown

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Following are the methods provided by Select class

a. selectByVisibleText();

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Using this method we can select option in static dropdown based on value which is visible in that dropdown

Syntax: obj.selectByVisibleText(value);

b. selectByValue():

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Using this method we can select option from static dropdown based on "value" attribute of that option

Syntax: obj.selectByValue(value);

(c) selectByIndex():

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Sometimes we can also select value from dropdown using Index where as index starts with zero(0)

Syntax: obj.selectByIndex(number);

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Ex-10: Write program to select options in "Country" dropdown using different methods at mercury tours application

//To initialize browser

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

WebDriver driver= new ChromeDriver();

driver.get("http://newtours.demoaut.com");

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

//to click on "REGISTER" link

driver.findElement(By.linkText("REGISTER")).click();

//to configure "Country" dropdown to Select class

Select myCountry=new Select(driver.findElement(By.name("country")));

//to select "INDIA" using selectByVisibleText() method

myCountry.selectByVisibleText("INDIA");

Thread.sleep(3000);

//to select "GERMANY " using selectByValue() method

myCountry.selectByValue("242");

Thread.sleep(3000);

//to select 1st value using index

myCountry.selectByIndex(0);

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Ex-11: Write script to perform customer Registration in Mercury tours application

// To initialize the browser

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

WebDriver driver=new ChromeDriver();

driver.get("http://www.newtours.demoaut.com");

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

// to complete Registration form

driver.findElement(By.linkText("REGISTER")).click();

// To fill up the complete Registration form

// Contact Information

driver.findElement(By.name("firstName")).sendKeys("Syed");

driver.findElement(By.name("lastName")).sendKeys("Shahabuddin");

driver.findElement(By.name("phone")).sendKeys("9966290065");

driver.findElement(By.id("userName")).sendKeys("syed123@gmail.com");

// Mailing Information

driver.findElement(By.name("address1")).sendKeys("1-1-398,Flat No.102");

driver.findElement(By.name("address2")).sendKeys("Paramount Colony, Tolichowki");

driver.findElement(By.name("city")).sendKeys("Hyderabad");

driver.findElement(By.name("state")).sendKeys("Telangana");

driver.findElement(By.name("postalCode")).sendKeys("500008");

// To use select class for static dropdown

/\*

\* Thread.sleep(2000); Select s=new

\* Select(driver.findElement(By.name("country"))); s.selectByValue("107");

\*/

// To select "GERMANY"

// Select drp=new Select(driver.findElement(By.))

Thread.sleep(3000);

Select drp=new Select(driver.findElement(By.name("country")));

// drp.selectByVisibleText("AUSTRALIA");

//drp.selectByValue("234");

drp.selectByIndex(4);

// To display user information

driver.findElement(By.id("email")).sendKeys("admin");

driver.findElement(By.name("password")).sendKeys("admin1");

driver.findElement(By.name("confirmPassword")).sendKeys("admin1");

driver.findElement(By.name("register")).click();

}

}

============================================================== END OF CLASS ===============================================================