Selenium With Java 2

Locators





Accessing Forms Elements

Input Box:

Radio button

Driver.findElement(By.cssSelector("input[value=' male']")).click();

Check box

WebElement checbox = driver.findElement(By.id("persist_box"));

For(int i=0;i<2;i++){

Checkbox.click();

System.out.println(checkbox.isSelected());

fppt.com



Accessing Forms Elements

Links
 driver.findElement(By.linkText("register here")).click();

Or Partial link text



- ID
- Name
- Link Text

CSS Selector

- Tag and ID
- Tag and class
- Tag and attribute
- Tag, class, and attribute
- Inner text

DOM (Document Object Model)

- getElementById
- getElementsByName
- dom:name
- dom: index
- XPath



• ID

Id = email

Name

Name = username

Locating by Name using Filters (Filters are additional attributes used to distinguish elements with the same name.)

Target Format: name=name_of_the_element filter=value_of_filter

Ex- name=tripType value=oneway

Link Text

Target Format: link=*link_text*

Ex- link = register



CSS Selector

Tag and ID

Syntax	Description
css= <i>tag</i> # <i>id</i>	 tag = the HTML tag of the element being accessed # = the hash sign. This should always be present when using a CSS Selector with ID id = the ID of the element being accessed

Ex- "css=input#email"

take note that the HTML tag is "input" and its ID is "email".

Note: Keep in mind that the ID is always preceded by a hash sign (#).



CSS Selector

Tag and class

Syntax	Description
CCC=13/1 (13CC	 tag = the HTML tag of the element being accessed = the dot sign. This should always be present when using a CSS Selector with class class = the class of the element being accessed

Ex - css=input.inputtext

Take note that when multiple elements have the same HTML tag and name, only the first element in source code will be recognized.



CSS Selector

Tag and attribute

Syntax	Description
css=tag[attribute=value]	 tag = the HTML tag of the element being accessed [and] = square brackets within which a specific attribute and its corresponding value will be placed attribute = the attribute to be used. It is advisable to use an attribute that is unique to the element such as a name or ID. value = the corresponding value of the chosen attribute.

Ex - css=input[name=lastName]

When multiple elements have the same HTML tag and attribute, only the first one will be recognized.



CSS Selector

Tag, class, and attribute

Syntax	Description
css=tag.class[attribute=value] Ex- css=input.inputtext[tabindex=1]	•tag = the HTML tag of the element being accessed •. = the dot sign. This should always be present when using a CSS Selector with class •class = the class of the element being accessed •[and] = square brackets within which a specific attribute and its corresponding value will be placed •attribute = the attribute to be used. It is advisable to use an attribute that is unique to the element such as a name or ID. •value = the corresponding value of the chosen attribute.



CSS Selector

Inner text

Syntax	Description
css= <i>tag</i> :contains(" <i>inner text</i> ") Ex Ex: css=font:contains("Password:")	 tag = the HTML tag of the element being accessed inner text = the inner text of the element



ocating by DOM (Document Object Model)

getElementById

Syntax	Description
document.getElementById("id of the	id of the element = this is the value of
element")	the ID attribute of the element to be
Ex:	accessed. This value should always
document.getElementById("persist_b	be enclosed in a pair of parentheses
ox")	("").



ocating by DOM (Document Object Model)

getElementsByName

Syntax	Description
document.getElementsByName(" <i>name</i> ") [index] Ex: document.getElementsByName ("servClass")[0]	 name = name of the element as defined by its 'name' attribute index = an integer that indicates which element within getElementsByName's array will be used.



ocating by DOM (Document Object Model) dom:name

Syntax	Description
document.forms[" <i>name of the</i> form"].elements[" <i>name of the</i> element"]	 name of the form = the value of the name attribute of the form tag that contains the element you want to access name of the element = the value of the name attribute of the element you wish to access

Ex: document.forms["home"].elements["userName"]



ocating by DOM (Document Object Model) dom:index

Syntax	Description
document.forms[<i>index of the form</i>].elements[<i>index of the element</i>]	 index of the form = the index number (starting at 0) of the form with respect to the whole page index of the element = the index number (starting at 0) of the element with respect to the whole form that contains it

Ex: document.forms[0].elements[3] document.forms[0].elements["phone"]



Xpath

Xpath

Xpath=//tagname[@attribute='value']

- //: Select current node.
- Tagname: Tagname of the particular node.
- @: Select attribute.
- Attribute: Attribute name of the node.
- Value: Value of the attribute.



Xpath

Xpath locators

Id, classname, Name, Link text, Xpath, CSSpath

Types of X-path

There are two types of XPath:

1) Absolute XPath

html/body/div[1]/section/div[1]/div/div/div/div[1]/div/div/div/div[1]/div/h4[1]/b

2) Relative XPath

Xpath=//*[@id='rt-feature']//parent::div[1]

Xpath=//input[@name='uid']

Reference:

http://www.guru99.com/xpath-selenium.html



Core java

- // indicates a single line comment
- □/* begins a comment that must be terminated with */
- Documentation comments begin with /**
 and end with */. Documentation comments
 are used to insert documentation into code.
 These comments are then used to produce
 documentation by javadoc



Rule

- Package names are written in small letters.
- e.g.: java.io, java.lang, java.awt etc
- Each word of class name and interface name starts with a capital
- e.g.: Sample, AddTwoNumbers
- Method names start with small letters then each word start with a capital
- e.g.: sum (), sumTwoNumbers (), minValue ()
- Variable names also follow the same above method rule
- e.g.: sum, count, totalCount
- Constants should be written using all capital letters
- e.g.: PI, COUNT
- Keywords are reserved words and are