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How to verify element present or visible in selenium 2 (Selenium WebDriver)

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Any one can send me sample code how to verify element

1. ispresent
2. isvisible
3. isenable
4. textpresent

in Selenium WebDvr using Java

java selenium-webdriver webdriver

edited Mar 16 '15 at 7:17



Ripon Al Wasim

13.3k 17 79 105

asked Jan 4 '13 at 11:50



TEJAS TRIVEDI

61 1 2 4

- 2 What you have tried? Have you read any tutorials? In what language? C#? Java? PHP? Pig latin? – Arran Jan 4 '13 at 14:59

I want to try it in java language. Please send me tutorials or help document for selenium web driver. I will be thankful to you. please help me – TEJAS TRIVEDI Jan 4 '13 at 15:56

6 Answers

I used java print statements for easy understanding.

1. To check Element Present:

```
if(driver.findElements(By.xpath("value")).size() != 0){
    System.out.println("Element is Present");
}else{
    System.out.println("Element is Absent");
}
```

Or

```
if(driver.findElement(By.xpath("value"))!= null){
    System.out.println("Element is Present");
}else{
    System.out.println("Element is Absent");
}
```

2. To check Visible:

```
if( driver.findElement(By.cssSelector("a > font")).isDisplayed()){
    System.out.println("Element is Visible");
}else{
    System.out.println("Element is InVisible");
}
```

3. To check Enable:

```
if( driver.findElement(By.cssSelector("a > font")).isEnabled()){
    System.out.println("Element is Enable");
}else{
    System.out.println("Element is Disabled");
}
```

4. To check text present

```
if(driver.getPageSource().contains("Text to check")){
```

3/11/2016

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```
System.out.println("Text is present");
}else{
System.out.println("Text is absent");
}
```

answered Jan 18 '13 at 11:05

 [Manigandan](#)
2,286 1 7 34

Theses examples would be better using the ExpectedConditions class. – [djangofan](#) Dec 31 '13 at 19:06

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You could try something like:

```
WebElement rxBtn = driver.findElement(By.className("icon-rx"));
WebElement otcBtn = driver.findElement(By.className("icon-otc"));
WebElement herbBtn = driver.findElement(By.className("icon-herb"));

Assert.assertEquals(true, rxBtn.isDisplayed());
Assert.assertEquals(true, otcBtn.isDisplayed());
Assert.assertEquals(true, herbBtn.isDisplayed());
```

This is just an example. Basically you declare and define the WebElement variables you wish to use and then Assert whether or not they are displayed. This is using TestNG Assertions.

answered Jan 4 '13 at 18:40

 [DarthOpto](#)
361 1 5 24

thanks a lot..I will try it in my project – [TEJAS TRIVEDI](#) Jan 6 '13 at 13:05

i try above example but it is not execution next steps if previous assertion is fail. I want to use verify instead of assertion so it can run next test steps. And i also make to fail whole test case if anyof the assertion and verifcatin is failed – [TEJAS TRIVEDI](#) Jan 7 '13 at 16:27

So what I gathered from your response is that you would like to have the test continue even if the assertion fails. Is that correct? – [DarthOpto](#) Jan 7 '13 at 21:32

yes i want exactly what u have written. i want to have test continue even if the test assertion is fail and in last after all test step execution mark test result as fail result in report. But it should complete all step execution. – [TEJAS TRIVEDI](#) Jan 8 '13 at 11:40

What language are you using? If Java are you using TestNG or JUnit? – [DarthOpto](#) Jan 8 '13 at 16:51

Refer following link for checking presence of an element on the page:

http://seleniumwebdriverfaq.blogspot.in/2012/03/how-can-i-check-presence-of-webelement_5206.html

For visible check you can use .isDisplayed() method.

answered Jan 7 '13 at 4:29

 [Surya](#)
2,126 9 16

Here is my Java code for Selenium WebDriver. Write the following method and call it during assertion:

```
protected boolean isElementPresent(By by){
    try{
        driver.findElement(by);
        return true;
    }
    catch(NoSuchElementException e){
        return false;
    }
}
```

answered Mar 16 '15 at 7:06

 [Ripon Al Wasim](#)
13.3k 17 79 105

Try using below code:

```
private enum ElementStatus{
    VISIBLE,
    NOTVISIBLE,
```

```

    ENABLED,
    NOTENABLED,
    PRESENT,
    NOTPRESENT
}
private ElementStatus isElementVisible(WebDriver driver, By by, ElementStatus
getStatus){
    try{
        if(getStatus.equals(ElementStatus.ENABLED)){
            if(driver.findElement(by).isEnabled()){
                return ElementStatus.ENABLED;
            }
            return ElementStatus.NOTENABLED;
        }
        if(getStatus.equals(ElementStatus.VISIBLE)){
            if(driver.findElement(by).isDisplayed()){
                return ElementStatus.VISIBLE;
            }
            return ElementStatus.NOTVISIBLE;
        }
        return ElementStatus.PRESENT;
    }catch(org.openqa.selenium.NoSuchElementException nse){
        return ElementStatus.NOTPRESENT;
    }
}

```

edited Aug 27 '15 at 2:16



Brad Larson ♦

144k 34 325 482

answered Mar 16 '15 at 8:56



Mayur Shah

198 7

To make sure that an element is present you can do the following:

```
driver.findElements(By.id("id"));
```

That will return an array, if that array size is > 0 then the element/s is present.

Also, you need to provide more information, such as language and what have you tried before asking,

Good luck

answered Jan 7 '13 at 11:08



Santiago Hernandez

137 1 8

driver.findElement(By.id("id1")).isDisplayed() driver.findElement(By.id("id2")).sendKeys("test"); Here if element is not displayed it fails test case and is not going on to next step for execution. So please help me how to handle assertion and xcontinue test execution for next steps in selenium webdrier and testing. Even i also want to mark test case fail if anyone assertion is failed. – [TEJAS TRIVEDI](#) Jan 7 '13 at 16:27

id is unique, you should use .findElement() for it. .findElements() is for eg. By.ClassName() – [Brunis](#) Mar 17 '15 at 11:07

protected by [Community](#) ♦ May 1 '14 at 22:08

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