

Selenium Java

Interview Questions And Answers



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Cracking Automation Tester Interview Series: **Part #4**

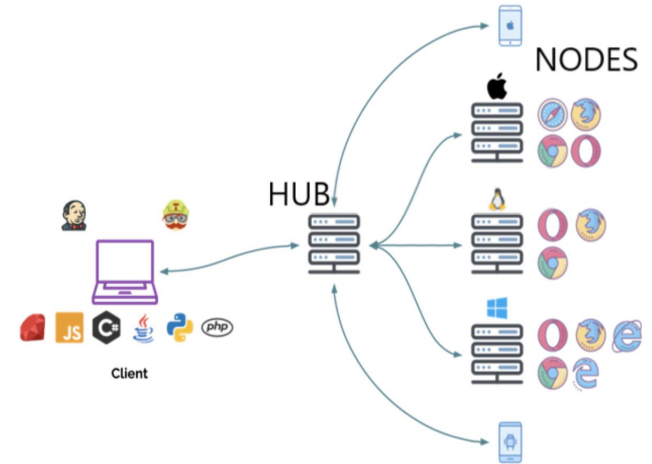


Question #1 : What are the limitations of Selenium?

- Selenium does not support testing desktop apps or native OS features.
- Selenium supports testing of only web based applications.
- Captcha and Bar code readers cannot be tested using Selenium.
- Selenium does not provide the Support of Reports. We have to use third party tools like TestNG or Junit.

Question #2 : When should we use Selenium Grid?

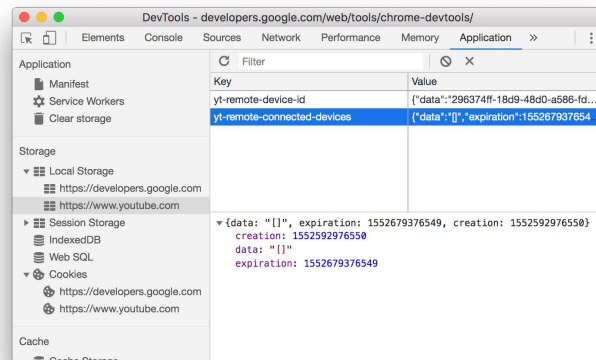
- Selenium Grid is used to execute the test cases in different machines across different platforms
- Selenium Grid supports Distributed test execution.



Question #3 : How to Test local storage of browser with Selenium?

- Selenium provides the Javascript Executor functions.
- You can use to get and set the local storage with this method.

```
JavascriptExecutor js = (JavascriptExecutor)
driver;
js.executeScript("return
window.localStorage.getItem('key');")
```



Question #4 : How to Handle Iframe within Iframe?

You can use the command like
`driver.switchTo("iframid").switchTo("iframe")`



Question #5 : How to Start a Hub and node in Selenium Grid?

Start the Hub

```
java -jar selenium-server-standalone-3.14.jar -role hub
```

Connect Node to the Hub at localhost:4444

```
java -jar selenium-server-standalone-3.14.jar -role node -hub  
http://hubIP:4444/grid/register
```

Question #6 : How to Upload & Download a File using Selenium Webdriver?

```
driver.get(baseUrl);  
    WebElement uploadElement =  
driver.findElement(By.id("uploadfile_0"));  
  
// enter the file path onto the file-selection input field  
    uploadElement.sendKeys("C:\\\\file.text");
```

Question #6 : How To Handle Ajax Auto Suggest Drop List In Selenium Webdriver?



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```
//*[@id='gsr']/table/tbody/tr[<dynamicNumber>]/td[2]/table/tbody/tr[1]/td/div/table/tbody/tr[1]/td[1]/span
```

Question #6 : How To Handle Ajax Auto Suggest Drop List In Selenium Webdriver?

```
int i=1;
int j=i+1;
try{
    //for loop will run till the NoSuchElementException exception.
    for(i=1; i<j;i++)
    {
        //Value of variable i is used for creating xpath of drop list's different elements.
        String suggestion =
driver.findElement(By.xpath("//*[@id='gsr']/table/tbody/tr[1]/td[2]/table/tbody/tr["+i+"]/td/div/table/tbody/tr/td[1]/span")).getText();
        System.out.println(suggestion);
        j++;
    }
}catch(Exception e){//Catch block will catch and handle the exception.
}
}
```

Question #7 : How To Handle Handling Multiple Browser Windows in Selenium WebDriver?

```
Set<String> allWindows = driver.getWindowHandles();
```

```
String window1 = (String) allWindows.toArray()[0];
```

```
String window2 = (String) allWindows.toArray()[1];
```

```
driver.switchTo().window(window1);
```

Question #8 : How to highlight element using selenium webdriver?

```
public void HighlightMyElement(WebElement element) {  
    for (int i = 0; i < 5; i++)  
    {  
        JavascriptExecutor javascript = (JavascriptExecutor) driver;  
        javascript.executeScript("arguments[0].setAttribute('style', arguments[1]);", element, "color: orange; border:  
4px solid orange;");  
        javascript.executeScript("arguments[0].setAttribute('style', arguments[1]);", element, "color: pink; border:  
4px solid pink;");  
        javascript.executeScript("arguments[0].setAttribute('style', arguments[1]);", element, "color: yellow; border:  
4px solid yellow;");  
        javascript.executeScript("arguments[0].setAttribute('style', arguments[1]);", element, "");  
    }  
}  
  
//HighlightMyElement(driver.findElement(By.xpath("//input[@name='fname']")));
```

Question #9 : How to initialize GeckoDriver and ChromeDriver?

<https://github.com/mozilla/geckodriver/releases>

Firefox

```
System.setProperty("webdriver.gecko.driver","C:\\Downloads\\geckodriver.exe");
```

<https://chromedriver.chromium.org/>

Chrome

```
System.setProperty("webdriver.chrome.driver","C:\\Downloads\\chromedriver.exe");
```



Question #10 : How to Verify Tooltip using Selenium WebDriver?

```
Actions builder = new Actions(driver);  
builder.clickAndHold(slider).moveByOffset(50, 0).release();
```

```
WebElement github = driver.findElement(By.xpath(".*[@class='soc-ico  
show-round']/a[4]"));  
String actualTooltip = github.getAttribute("title");
```

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