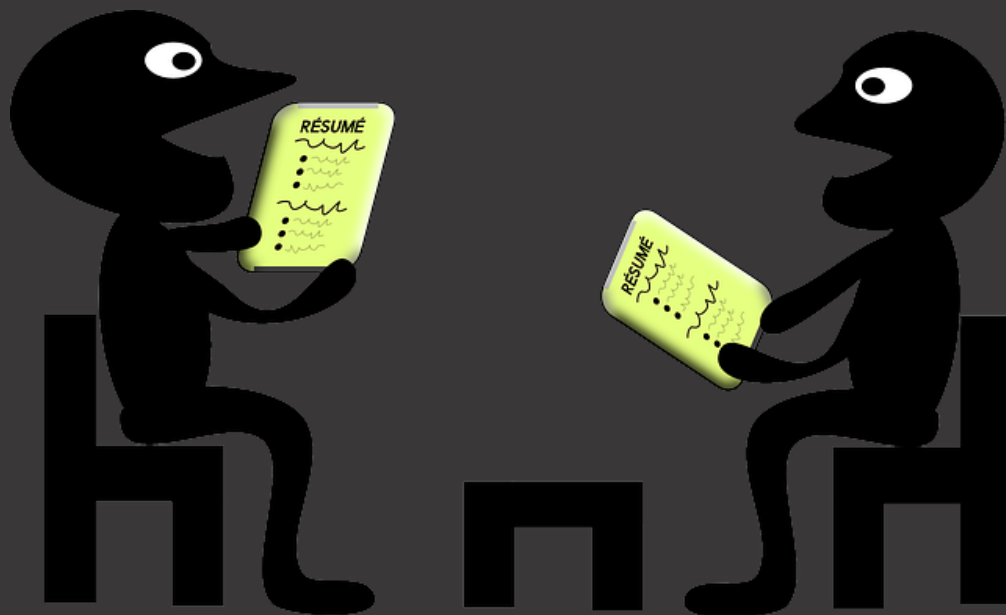


INTERVIEW PREPERATION - INTERVIEW QUESTIONS (EXAMPLES)

QAUNI



We can never predict what questions or exercises a future interview may hold...

But!

'It's better to be Prepared for an opportunity, an not have one. Than to have one and not be Prepared' *Les Brown.*

Q1. What is Selenium WebDriver?

Selenium WebDriver is a web based automation framework which can used to automate different web browsers (Chrome, firefox...) which can be combined with programming languages such as Java to develop automation test scripts.

Q2. What is an Automation Framework?

An automation framework is basically the scaffolding used to construct the foundations for an execution environment which in turn can be used to develop automation tests.

Q3. What is Apache Maven?

Apache maven is a project management tools which can be used to download relevant libraries (JAR files), build your project, handle reporting etc.

Q4. Why is a pom.xml file needed?

POM.xml file can be referred to as the heart of your project; it's an XML file which aids the process of building your project and downloading relevant dependencies from the web (<https://mvnrepository.com/>)

Q5. What components can be used to construct a Test Automation Framework?

- Java
- Apache Maven
- Selenium WebDriver
- Cucumber BDD

Q6. Why use Java to develop an Automation Framework?

Java is one of the most popular programming languages in today's marketplace; many organisations are using Java as the programming language of choice to develop their automation framework, its open sourced and enables the developers to add complexity to their framework.

Q7. What is Cucumber BDD?

Cucumber BDD is a software tool (Framework) used to develop automated tests in a behavioural driven manner.

Q8. What is a Feature File?

Feature files enable the automation test engineer to capture requirements in a clean and simple manner; these requirements can be linked to automation code (Java & Selenium WebDriver) with the use of Cucumber Step classes.

Q9. Can Selenium WebDriver be used to test Window's based programs?

No, Selenium WebDriver is used to automate browsers; a tool such as Autolt (<https://www.autoitscript.com/site/>) is more suited.

Q10. What is Appium?

Appium is an open sourced automation test framework used to test mobile applications (IOS & Android).

Q11. What are the most common locators used to locate elements contained with the DOM and what exactly is DOM?

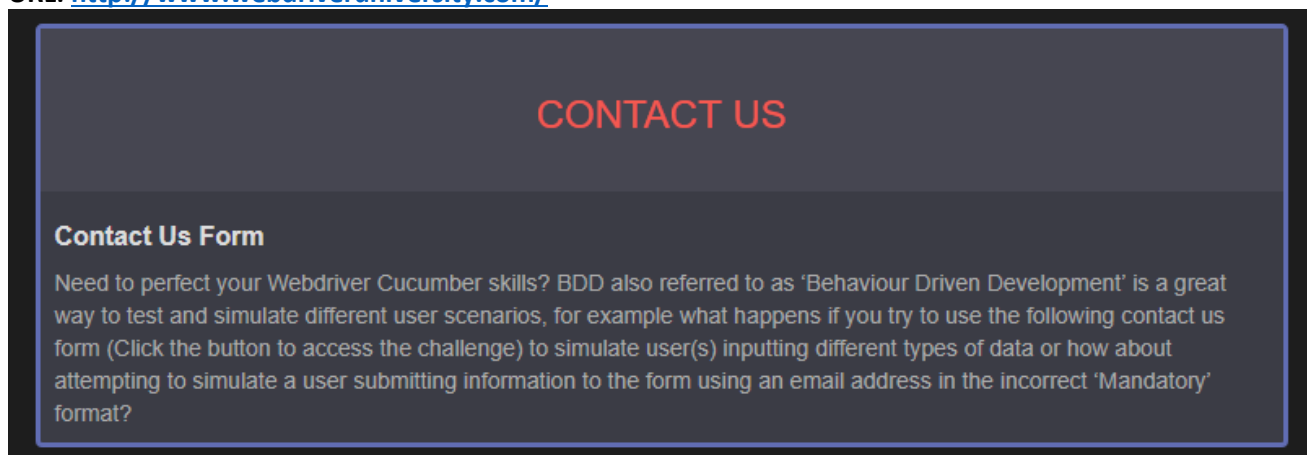
DOM; Document Object Model; basically a HTML page, example: <http://www.webdriveruniversity.com/>

Common Locators:

- ID
- Class
- Xpath
- CSS

Q12. How would you locate the following element using a CSS & XPATH locator?

URL: <http://www.webdriveruniversity.com/>



```
<div class="col-sm-12 col-lg-8 col-md-8"><a href="Contact-Us/contactus.html" target="_blank"
id="contact-us">
  <div class="thumbnail">
    <div class="section-title"><h1>CONTACT US</h1></div>
    <div class="caption">
      <h4>Contact Us Form</h4>
      <p>Need to perfect your Webdriver Cucumber skills? BDD also referred to as 'Behaviour
Driven Development' is a great way to test and simulate different user scenarios, for example
what happens if you try to use the following contact us form (Click the button to access the
challenge) to simulate user(s) inputting different types of data or how about attempting to
simulate a user submitting information to the form using an email address in the incorrect
'Mandatory' format?</p>
    </div>
  </div>
</div>
```

XPATh LOCATOR:

//div[@id="contact-us"]

CSS LOCATOR:

#contact-us

Q13. How can we locate elements when a specific attribute such as the id of the element changes when the page reloads?

Contains will look for an element which contains specific text within the class of the given DOM element, in the

example below the locator will locate a div which has a class which contains the text qauni.

Xpath: `//div[contains(@class, 'qauni')]`

Q14. How would you handle and accept a JavaScript alert?

Example url: <http://www.webdriveruniversity.com/Popup-Alerts/index.html>

```
driver.switchTo().alert();
driver.switchTo().alert().accept();
driver.switchTo().defaultContent();
```

OR

```
driver.switchTo().alert().accept();
```

Q15. How would you send / input keys to the following element (First Name)?

URL: <http://www.webdriveruniversity.com/Contact-Us/contactus.html>

```
<form action="contact_us.php" method="post" id="contact_form">
  <input name="first_name" type="text" class="feedback-input" placeholder="First Name" />
  <input name="last_name" type="text" class="feedback-input" placeholder="Last Name" />
  <input name="email" type="text" class="feedback-input" placeholder="Email Address" />
  <textarea name="message" class="feedback-input" placeholder="Comments"></textarea><br>
  <div id="form_buttons" class="text-center">
    <input class="contact_button" type="reset" value="RESET"/>
    <input class="contact_button" type="submit" value="SUBMIT"/>
  </div>
</form>
```

Xpath Locator:

```
//input[@name=('first_name')]
```

Send Keys Method:

```
driver.findElement(By.xpath("//input[@name=('first_name')]")).sendKeys("Joe Blogs");
```

Q16. Implement code to Right Mouse Click on a specific element.

```
driver.findElement(By.id("qauni"));
Actions action = new Actions(driver).contextClick(element);
action.build().perform();
```

Q17. What concepts can be used to handle synchronization?

Implicit Waits

Explicit Waits – advised to use explicit waits as the time can be tailored for specific methods etc. and not defaulted to a global time such as 30Seconds; for example all ten different methods don't have to use the time of 30seconds, each method can contain its own independent time setting.

Q18. Why use assertions?

Assertions enable you to verify specific conditions / results have been met; assertions can compare expected results to actual results.

Q19. What is CI?

CI stands for Continuous Integration (CI) and is a development practise which enabled developers to integrate code into a shared repository several times a day's in turn enable multiple developers to work on the same project; improving efficiency and saving time to reach the end goal.

Q20. What is Jenkins and what are its benefits?

Jenkins is a CI system which is open sourced, an automation test engineer can use Jenkins to execute their automation test framework whenever they want, develop reports etc.; refer to the Jenkins module within this course.

Q21. How can you develop test reports?

Cucumber Runner class.

Extent Reports.

Surefire reports (<https://maven.apache.org/surefire/maven-surefire-report-plugin/>)