

# By OnlineInterviewQuestions.com

## Cognizant interview questions for Software Testing

### Q1. Explain what is STLC?

**STLC** stands for **Software Testing Life Cycle**. STLC happens to be a series of different actions implemented by the examination team to guarantee the condition of the product or the software. As promptly as the expansion phase is completed, the examiners are enthusiastic about test samples and begin with execution.

STLC benefits in making the testing method more advanced, logical and practical. You can add breakthroughs and deliverables for every level of the design. Simple to follow and execute despite if the design is developed to several levels.

### Q2. What is syntax to Initialize browser in webdriver?

By following the below-mentioned steps one may initiate browser in web driver

- Action 1: Download Chrome Drive
- Action 2: Unlock any browser and access <http://www.seleniumhq.org/download/> Here you will get a third multitude driver part and you may get all the surface drivers for diverse browsers.

Your test sample will crash, and you will get `IllegalStateException` that says one needs to particularize the chrome driver path where it occupies.

```
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome. ...
public class TestChrome {
public static void main(String[] args) {
System. setProperty("webdriver.chrome.driver", "path of the exe file\\chromedriver.exe");
// Initialize browser.
WebDriver driver=new ChromeDriver();
```

### Q3. What is use of driver.getTitle() in selenium?

**driver.getTitle()** process will capture the current started page heading and later it will be saved in a variable and next it will be published in the console. Presently you can utilize its usefulness for other purposes too. You may do the same thing utilizing "storeTitle" Command in selenium IDE.

Example Code

```
parcel Testing_Pack;
```

```

import org.junit.Assert;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
public class mytestclass {
    public static void main(String[] args) {
        WebDriver driver = new FirefoxDriver();
        Driver.get;
        String i = driver.getCurrentUrl();
        System.out.println(i);
        String j = driver.getTitle();
        System.out.println("Your page title Is : "+j);
        Assert.assertEquals("Only Testing",j);
        Assert.assertEquals("Only Testing",driver.getTitle());
        driver.close();
    }
}

```

#### Q4. What is SDLC?

**Software Development Life Cycle (SDLC)** is nothing but a process that is utilized by the software manufacturing sectors to develop, design and test high-quality software. The SDLC strives to manufacture high-quality software that exceeds or meets customer expectations and reaches success within cost and time estimates.

**SDLC** happens to be a method developed for a software scheme, inside a software company. It includes a comprehensive plan detailing how to improve, maintain, repair and modify or enhance particular software. The growth cycle describes a methodology for increasing the state of software and the overall growth process.

#### Q5. What is Cloud Computing?

In the easiest words, **cloud computing** implies collecting and entering data and presentations across the Internet rather than your workstation's hard drive. The process is a comparison for the Internet. It stretches behind to the times of flowcharts and portrayals that would describe the massive server-farm foundation of the Internet as a gusty, white cumulus puff, allowing links and doling out data as it drifts.

Moreover, Cloud computing is an application-based software foundation that collects data on isolated serves, which may be entered via the internet. To learn how cloud computing operates, it may be classified into backend and front-end. The front-end allows a user to enter data collected in the cloud utilizing a cloud computing software and an internet browser. However, the main element of cloud computing – effective for securely collecting information and data is the backend. It includes servers, computers, central servers, and databases.

#### Q6. What is white box testing?

**WHITE BOX TESTING** is an examination of a software answer's inner construction, layout, and coding. In

this kind of experiment, the cryptogram is noticeable to the examiner. It focuses principally on supporting the movement of figures and amounts through the administration, developing plan and usability, increasing security. White box experiment is additionally recognized as Clear Box testing, Structural testing, Open Box testing, Code-Based testing, Transparent Box testing, and Glass Box experimenting.

White box testing is ordinarily performed by designers. It happens to be one of the pair elements of the Box Testing access to software experimentation. Its equivalent, Blackbox testing, means-testing from a surface or end-user kind prospect. On the opposite hand, Whitebox experimentation is founded on the internal operations of demand and orbits around inner testing.

## **Q7. What is a TestNg framework?**

**TestNG framework** is a computerization experimentation framework where NG holds for "Next Generation". TestNG is motivated by JUnit which utilizes the commentaries (@). Utilizing TestNG you may generate a decent report, and one can quickly come to understand how multiple test samples are passed, skipped, and failed. You may execute a failed examination case distinctly.

Benefits of TestNG above Junit that comprise three major uses of TestNG above JUnit are

- Annotations are more comfortable to learn.
- A parallel examination is possible.
- Test samples can be arranged more easily.

## **Q8. What is the Page Object Model and Page Factory?**

**Page Object Model (POM)** is a design pattern, prevalently employ in test mechanization that creates an Object storehouse for web UI elements. It is a method to analytically sort out the scripts in such a way that it makes it effortless for the QA to uphold the code, free of hassles. And to help prevent redundant or duplicate code. The advantage of this model is that it reduces code duplication and develops test maintenance making it more readable, and reusable.

The Page Object Pattern using **Page Factory** can be made non-frail test code. It helps to reduce and further abolish the replica test code. Besides that, the page factory is useful in improving readability making it easier to create interface documentation.

## **Q9. What is exploratory testing?**

**Exploratory Testing** is instantaneous learning, test design, and test implementation process. It helps in immediate test planning, analysis, design, and test execution. Exploratory Testing involves synchronized test case design and test execution of an application or system under test. The tester constructs or notes down a test idea to give direction and explore the system while testing. To further make critical, realistic and useful tests for the successful testing of an application. It is often considered as a black box testing technique while others deem it as a test approach that can be applied to any test technique and stage in the development process.

**Q10. [Explain what is continuous testing?](#)**

**Continuous Testing** is the method of executing computerized analyses as a section of the software transmission pipeline to receive feedback on the trade risks connected with a software discharge applicant as speedily as feasible. It develops and increases test computerization to approach the extended complexity and speed of advanced application advancement and performance.

**Few of the advantages of Continuous Testing are:**

- Quicken software delivery
- Constant testing increases code quality
- It aids to evaluate exact industry risk coverage.
- It seamlessly blends into the DevOps Process
- It assists to build an active and safe process in merely hours rather than months.
- Quickens time-to-market with a constant feedback device.
- Fuses traditionally siloed organizations to satisfy modern business needs. Dissolves disconnect among development, measurement, and procedures teams.
- Test Computerization helps to deliver consistency by controlling the same arrangement for all notable tests.
- Maintains marketing expectations to lessen business risks
- Rendering ubiquitous examination environment entrance with Service Virtualization.

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