



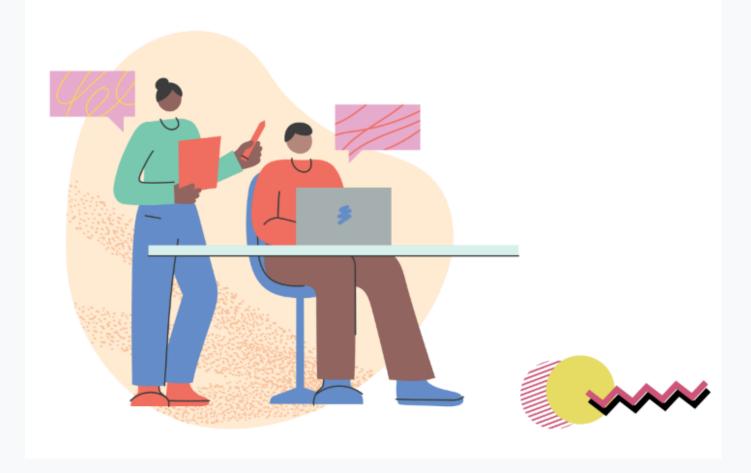


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INTERVIEW QUESTIONS

## Top 20 Selenium WebDriver Interview Questions and Answers for 2024

# Top 20 Selenium WebDriver Interview Questions and Answers for 2024



Preparing for your **Selenium WebDriver** interview? Here's a quick roundup of essential questions to ace your next QA role. This blog provides a comprehensive list of commonly asked **Selenium WebDriver** interview questions with answers to help you ace your interview.



#### 2. How is Selenium WebDriver different from Selenium RC?

WebDriver directly communicates with the browser, offering faster execution, whereas RC relies on a server for commands.

#### 3. What are the key features of Selenium WebDriver?

Cross-browser support, dynamic element handling, language support (Java, Python, etc.), and integration with frameworks like TestNG or JUnit.

### 4. How do you launch a browser in Selenium WebDriver?

Using driver initialization:

WebDriver driver = new ChromeDriver();

### 5. How do you handle alerts in Selenium WebDriver?

Using the switchTo() method:

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

#### 6. What are locators in Selenium?

Locators identify elements on a webpage. Common types include ID, Name, XPath, CSS Selector, Class Name, and Tag Name.

#### 7. How do you handle dropdowns in Selenium WebDriver?

By using the Select class:

Select dropdown = new Select(driver.findElement(By.id("dropdown")));

dropdown.selectByVisibleText("Option");

#### 8. What is an implicit wait in Selenium?

Implicit wait sets a global timeout for element visibility:

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

#### 9. What is an explicit wait?

Explicit wait waits for a specific condition using WebDriverWait:

WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));

wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("example")));

#### 10. How do you perform mouse actions in Selenium WebDriver?

Using the Actions class:

Actions actions = new Actions(driver);

actions.moveToElement(element).click().perform();

#### 11. How do you take screenshots in Selenium WebDriver?

Using the TakesScreenshot interface:

File screenshot = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

#### 12. How can you handle multiple windows in Selenium?

Using the getWindowHandles() method:

for (String handle: driver.getWindowHandles()) {

driver.switchTo().window(handle);

#### 13. What are desired capabilities?

Desired Capabilities configure browser properties such as version, OS, or preferences.

#### 14. What is the difference between findElement() and findElements()?

- findElement() returns the first matching element.
- findElements() returns a list of matching elements.

#### 15. How do you handle frames in Selenium?

Using the switchTo() method:

driver.switchTo().frame("frameName");



#### 17. What is the Page Object Model (POM)?

POM is a design pattern that creates separate classes for each page of an application to improve code readability and maintainability.

#### 18. What are common exceptions in Selenium WebDriver?

- NoSuchElementException
- ElementNotVisibleException
- TimeoutException
- StaleElementReferenceException

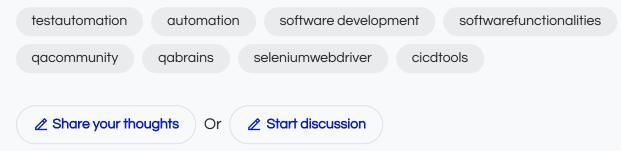
#### 19. How do you run Selenium tests in parallel?

Using TestNG with parallel execution configuration in the XML file: <test name="ParallelTest" parallel="methods" thread-count="2">

## 20. How do you integrate Selenium WebDriver with CI/CD tools?

Integrating it with Jenkins or similar tools using build scripts (Maven/Gradle) to trigger tests automatically.

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