Testing interview questions and answers pdf pdf download full

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Score: 0% Rank: Correct Answer: Let's begin this software testing interview questions with beginners level questions first. Basically, it starts with the Unit Testing phase and ends with Acceptance Testing. A defect life cycle is a process in which a defect goes through various phases during its entire lifetime. It starts when a defect is found and ends when a defect is closed, after ensuring it's not reproduced. Bug or defect life cycle includes the steps as illustrated in the below figure. If you wish to learn in depth about Bug Life Cycle then you can refer my article on Software Testing Tutorial. It can vary from organization and also from project to project based on several factors like organization policy, software development model used (like Agile, Iterative), project timelines, team structure etc. A test case is nothing but a set of conditions or variables under which a tester will determine whether a system under test satisfies requirements or works correctly. Verification: It is a static analysis technique. Here, testing is done without executing the code. Examples include - Reviews, Inspection, and walkthrough. Validation: It is a dynamic analysis technique where testing is done by executing the code. Examples include functional and non-functional testing technique where testing is done by executing the code. Examples include functional and non-functional testing technique where testing is done by executing the code. Examples include functional and non-functional testing technique where testing is done by executing the code. called Testing, rather testing starts right from the requirement phase. The verification and validation activities go hand in hand. It is a testing methodology where the end customer is asked to use the software to see if the product is easy to use, to see the customer's perception and task time. An accurate way to finalize the customer point of view for usability is by using prototype or mock-up software during the initial stages. Basically, the acceptance document is prepared using the following inputs. The parameter used in software testing to describe the extent to which the source code is tested is known as coverage. There are three basic types of coverage techniques and they are: Selenium is an open source tool which is used for automating the tests carried out on web browsers. Since Selenium is open-source, there is no licensing cost involved, which is a major advantage over other testing tools. Other reasons behind Selenium's ever-growing popularity are: The locator is nothing but an address that identifies a web element uniquely within the webpage. Thus, to identify web elements accurately and precisely we have different types of locators in Selenium as follows: XPath also called as XML Path is a language to guery XML documents. It is an important strategy to locate elements in selenium. It consists of a path expression along with some conditions. Here, you can easily write XPath script/query to locate any element in the webpage. It is designed to allow the navigation of XML documents, with the purpose of selecting individual elements, attributes, or some other part of an XML document for specific processing. It also produces reliable locators. It is the direct way to find the element, but the disadvantage of the absolute XPath is that, if there are any changes made in the path of the element then that XPath gets failed. For example: /html/body/div[1]/section/div[1]/divFor Relative XPath, the path starts from the middle of the HTML DOM structure. It begins with the double forward slash (//), which means it can search the element anywhere at the webpage. For example: //input[@id='ap email']Exceptions in Selenium are similar to exceptions are similar to exceptions are similar to exceptions. environments and saving execution time remarkably. The following syntax can be used to launch the Browser: WebDriver driver = new FirefoxDriver(); WebDriver driver(); WebDriver driver(); WebDriver driver(); WebDriver driver(); WebDriver(); WebDriver Testing Interview Questions and Answers 21. Should testing be done only after the build and execution phases are complete? Testing is always done after the build and execution phases Earlier we catch a defect, the more cost effective it is. For example, fixing a defect in maintenance is ten times more costly than fixing it during execution. 22. What's the relationship between environment reality and test phases? As test phases? As test phases start moving ahead environment to be partly real, but at the acceptance phase you should have a 100% real environment, or we can say it should be the actual real environment. The above graph shows during acceptance testing it should be 100% real.23. A defect which could have been removed during that stage is removed during that stage. How does this affect the cost? If at the initial stage a defect is identified, then it should be removed during that stage/phase itself rather than at some later stage. It's a fact that if a defect is delayed for later phases it becomes more costly. The following figure shows how a defect is costly as the phases move forward. If a defect is identified and removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase, it is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but when removed during the design phase is the most cost effective but whe testing? Regression Testing: It is defined as a type of software testing to confirm that a recent code change has not adversely affected existing features. Confirmation Testing: When a test fails because of the defect is reported. Then a new version of the software is submitted whose defect is fixed. This is called as confirmation testing or retesting.25. What do you mean by boundary value analysis? Boundary value Analysis (BVA) is a black box test design technique which is applied to see if there are any bugs at the boundary of the input domain. 26. What is Random testing? Usually, in Random testing, data is generated randomly often using a tool. For example, the following figure shows how randomly-generated data is sent to the system. This data is generated either using a tool or some automated mechanism. With this randomly generated input, the system is then tested and results are observed accordingly. 27. On what basis you can arrive at an estimation for your project. You have to consider the following points: Divide the whole project into the smallest tasks Allocate each task Validate the estimation 28. Which test cases are written first and white box t requirement document and, design or project plan. These documents are easily available at the initial phase of the project. So normally white box test cases are written after black box test cases are written. 29. Mention the basic components of defect report format. The basic components of defect resolved by Defect detected by Defect ID and Name Snapshot of the defect Priority and Severity status Defect resolved by Defect resolved on 30. Is Automation testing in agile methodology useful? Automation testing is very useful in agile methodology and helps in achieving maximum test cases Complex calculation test cases Non-functional test cases Non-functional test cases Regression test cases Regression test cases Complex calculation test cases Non-functional test cases Non success of Automation testing? By following criteria, the success of Automation testing can be mapped: Defect Detection Ratio Automation execution time and time savings to release the product Reduction in Labour & other costs33. Explain Load Testing on websites? To access a website, a user sends a "request" to that website's server, and the server sends back a response in the form of the website you want to access. To load test a website, quality assurance engineers and automation engineers and automation engineers and automation engineers and automation engineers. issues and server capacity.34. What is the difference between Selenium and Sikuli? Selenium Sikuli? Selenium Sikuli? Selenium and Sikuli? Selenium Sikuli? Selenium and Sikuli? Selenium Sikuli? application.35. How to click on a hyperlink using linkText()? driver.findElement(By.linkText("Google")).click(); This command finds the element using link text and then click on that element. Thus, the user would be re-directed to the corresponding page.36. What is TestNG?It is an advanced framework which is designed in a way to leverage the benefits by both the developers and testers. It also has an inbuilt exception handling mechanism which lets the program to run without terminating unexpectedly. 37. How to set test case priority in TestNG; import org. testng. annotations. \*; public class SettingPriority { @Test(priority=0) public void method1() { } @Test(priority=1) public void method2() { } @Test(priority=2) public void method3() { } } Test Execution Sequence: Method3 38. What is the difference between Selenium and QTP?Selenium Quick Test Professional Selenium supports almost all the popular browsers like Firefox, Chrome, Safari, Internet Explorer, Opera etcQTP supports Internet Explorer, Firefox and Chrome. QTP only supports Windows Operating SystemSelenium is distributed as an open source tool and is freely availableQTP is distributed as a licensed tool and is commercializedSelenium supports testing of only web-based applicationsQTP supports testing of both the web-based application and windows based application and windows based application of web elements belonging to Application Under Test (AUT) along with their locator values. With respect to Selenium, objects can be stored in an excel sheet which can be populated inside the script whenever required. 40. How to input text in the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDriver? By using sendKeys() method we can input the text box using Selenium WebDr you practice with the advanced level and scenario based interview questions41. What kind of input do we need from the end user to begin proper testing? An end user is the most important person because he is the one who has to use the product and has a keen interest that anyone else in the project. Above figure illustrates the input that is essential from the user end.42. What is meant by workbench at its core is a way of documenting how a specific activity has to be performed. It is often referred to as phases, steps, and tasks as shown in the following figure. There are five tasks for every workbench and they are as follows: Input Execute Check Production output Rework43. What is meant by Defect Cascading? Defect cascading is a defect which is caused by another defect. When a defect triggers the other phases without getting noticed. This will result in an increase in the number of defects. Let us understand this by an example. You are designing the Login Module of a WebPage:In phase 1 – You are designing Register User Module for Login and mobile number is mandatory but you can leave it blank due to a bug that gets unnoticed. In Phase 2 – You will design the login form having username and password is OTP which will be sent to User's registered mobile number. Now as Register module has a bug that mobile number can be left blank so this may lead to Login failure or maybe some system error or crash if a null mobile number is not handled. This is known as defect cascading. 44. What are the different strategies for rollout to end users? The strategies to be followed for rollout are as follows: Pilot Gradual Implementation Phased Implementation Phased Implementation Parallel Implementation 45. Explain how can you find broken links in a page using Selenium WebDriver? This is a tricky question which the interviewer might present to you. He can provide a situation wherein there are 20 links in a web page, and we have to verify which of those 20 links are working and how many are not working (broken). As you have to verify the working of every link, the workaround is that you need to send HTTP requests to all of the links on the web page and analyze the response. Whenever you use driver.get() method to navigate to a URL, it will respond with a status of 200 - OK. This indicates that the link is working and it has been obtained. Whereas any other status indicates that the link is broken. Let's now understand how to do that. First, we have to use the attribute 'href' value to obtain the hyperlinks and then analyze the response received when used in driver.get() method.46. Which technique should be considered in the script "if there is neither frame and frame id is not available, then we can still select those frames by using frame (zero-based) index attribute. All the frame will have an index "2". driver.switchTo().frame(int arg0); 47. How to take screenshots in Selenium WebDriver?By using the TakeScreenshot function you can take a screenshot. With the help of getScreenshotAs() method, you can simply save that screenshot. Example: File scrFile = ((TakeScreenshotAs(outputType.FILE);48. Explain how you will log in into any site if it is showing any authentication popup for username and password? If there is a pop up for logging in, we need to use the explicit command and verify if the alert is actually present. The below code helps you understand the use of explicit wait command. WebDriverWait(driver, 10); alert.authenticateUsing(new UserAndPassword(\*\*username\*\*, \*\*password(\*\*username\*\*, \*\*password(\*\*)); 49. How to skip a method or a code block in TestNG? To skip a particular test method or a code, then you can set the 'enabled' parameter in test annotation to false. @Test(enabled = false)50. Briefly explain what does below code snippet indicate? WebElement, and uses an XPath search to initialize it with a reference to an element that contains the text value "data". This brings us to the end of this article on Top 50 Software Testing Interview Questions. Hope it helped in adding up to your knowledge. Wishing you all the best for your interview. Happy learning. If you found this "Software Testing Interview Questions" article relevant, check out the Software Testing Training by Edureka, a trusted online learning company with a network of more than 250,000 satisfied learners spread across the globe. Got a question for us? Please mention it in the comments section on this Software Testing Interview Questions and we will get back to you.

