

iSQI

Exam Questions CTAL-TAE

ISTQB Certified Tester Advanced Level-Test Automation Engineering



NEW QUESTION 1

You are working on a TAS for standalone application. The automated tests are developed based on a automation framework that allows interaction with GUI elements using on object orientated API. The GUI elements include menus, buttons, radio buttons, text toolbars and their properties. Whilst automating a test, you have discovered that the GUI elements of some third party components are not identifiable by the automated tool you are using. Which of the following is the FIRST step that you take to investigate this issue?

- A. Verify the testability support with the providers of the third party components
- B. Verify whether the GUI identification depends on the browser.
- C. Adopt an approach that uses the coordinates of the GUI elements instead
- D. Verify whether naming standards for variables and have been defined for the current automation solution

Answer: A

NEW QUESTION 2

Which of the following statement about the implementation of automated regression testing is FALSE?

- A. When automating regression tests, the structure of automated tests must always be the same as the corresponding manual tests
- B. When automating regression tests, the corresponding manual tests should have already been executed to verify they operate correctly
- C. When automating regression tests, the initialization steps set the test preconditions should be automated wherever possible
- D. When automating regression tests, consideration should be given to how much time would be saved by automation

Answer: D

NEW QUESTION 3

Consider a TAS that exclusively uses the APIs of a SUT. To make this work, significant changes have been required to the SUT by adding a set of dedicated test interfaces to the APIs. All the automated tests will use these test interfaces when interacting with the SUT. Assume that you are currently verifying the correctness of the automated test environment and test tool setup.

Which of the following would you expect to be the MOST specific risk associated with this scenario?

- A. The connectivity from the TAS to the dedicated test interfaces will not work
- B. The process of configuring the TAS will be error-prone due to manual intervention
- C. The automated test cases will not contain the expected result
- D. False alarms, that are unlikely to occur in the real world, will be observed during testing

Answer: D

NEW QUESTION 4

Your goal is to verify completeness, consistency and correct behavior of an automated test suite. The TAS has been proven to successfully install in the SUT environment. All the preliminary checks to verify the correct functioning of the automated test environment and test tool configuration, installation and setup have successfully completed.

Which of the following is NOT a relevant check for achieving your goal in this scenario?

- A. Checking whether all the test cases contain the expected results
- B. Checking whether the post condition have been fulfilled for all the test cases
- C. Checking whether the loading of the TAS is repeatable in the SUT environment
- D. Checking whether all the test cases produce repeatable outcomes

Answer: D

NEW QUESTION 5

Consider a TAS that uses a keyword-driven framework. The SUT is a web application and there is a large set of keywords available for writing the automated tests that relate to highly specific user actions linked directly to the GUI of the SUT. The automated test written with the keywords are statically analyzed by a custom tool which highlights repeated instances of identical sequence of keywords. The waiting mechanism implemented by the TAS for a webpage load is based on a synchronous sampling within a given timeout. The TAS allows checking a webpage load every seconds until a timeout value

- A. Changing the scripting approach to data-driven scripting
- B. Implementing keywords with a higher level of granularity
- C. Changing the wait mechanism to explicit hard-coded waits
- D. Establishing an error recovery process for TAS and SUT

Answer: C

NEW QUESTION 6

A project consists of distributed teams working in a 24-hour environment, where activities happen at all hours of the day. This project adopts a CI (Continuous Integration) process when developer check-in code and consists of automated activities that include generating a build and deploying it to a test environment. Automated integration tests are run multiple times a day. The project have asked for a report containing the automation test results for every build, which must be available 24/7 to the project team.

Which of the following would be the BEST way to automatically provides this report?

- A. Store the execution results of the integration tests for the last build to a database (without overwriting the results from the previous builds), use this database to automatically update a dashboard containing the build history and test results accessible to the project team.
- B. Store the execution result of the integration tests for the last build to a database (overwriting the results from the previous build), automatically create a test execution report for this build send it via e-mail to the project team
- C. Store the execution results of the integration tests for the last build to a database (without overwriting the results from the previous builds). Automatically create a test execution report for this build and send it via e-mail to the project team
- D. Store the code coverage results of the integration tests for the last build to a database (without overwriting the results from the previous builds). And

automatically create a chart showing the trend in code coverage and send via email to the project team.

Answer: A

NEW QUESTION 7

Consider the following example of TAS metrics. Time to execute automated tests
Speed and efficiency of TAS components Which of the following statements is TRUE?

- A. A and B are both internal TAS metrics
- B. A is an internal TAS metric and B is an external TAS metric
- C. A and B are both external TAS metrics
- D. A is an external TAS metric and B is an internal TAS metric

Answer: D

NEW QUESTION 8

Consider a TAS associated to dynamically changing software frequent releases. Your goal is to determine the amount of effort required to maintain the automated tests of the regression test suite for each new release of the SUT.

What is the MOST important metric to collect to achieve your goal?

- A. The code coverage achieved with the automated tests, for each new release of the SUT
- B. The number of automated tests which fail because of a single software defect, for each new release of the SUT
- C. The time it takes to execute all the automated tests, for each new release of the SUT.
- D. The number of automated tests requiring maintenance, for each new release of the SUT.

Answer: B

NEW QUESTION 9

You identified a suitable project to pilot an automation tool and planned and conducted a pilot. The pilot has been successful and the tool is being deployed within your organization, with a plan to increase tool use by the one project at a time. During this rollout some test processes will be changed slightly to gain additional benefits from using the tool.

In the pilot project, a small set of manual tests were automated for the first time. You are currently monitoring the test automation efficiency and this reveals that the automation regime for the tests is not yet mature.

Which of the following statements is TRUE?

- A. The approach used for deployed this tool is aligned to the standard success factor for deployment
- B. The pilot project should have been critical so that maximum benefits were delivered
- C. The target defined for the project was inappropriate, because the automation regime for the automated tests at the end of the pilot is not yet mature.
- D. The test process should be radically changed to gain additional benefits from using the tool.

Answer: A

NEW QUESTION 10

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