

CTAL-TAE Dumps

ISTQB Certified Tester Advanced Level-Test Automation Engineering

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NEW QUESTION 1

Assume that you are the TAE responsible for the correct functioning of a TAS, deployed in a test environment that consists of a few machines running the same version of the operating system. The TAS has been working and stable since its deployment, it has been used to run an automated test suite consisting of many similar automated test. The infrastructure team is planning to update the operating system on these machines by installing a new the service pack for security reasons. Since the vendor of the operating system assurance full backward compatibility, the infrastructure team assurance that there will be no impacts on the functioning of the TAS.

What is the BEST approach to confirm the correct functioning of the TAS in this scenario?

- A. Verify the behavior of the automated tests by running a small tests, then gradually run the remaining tests to confirm the correct functioning of the whole automated test suite.
- B. Make sure that the infrastructure team has completed installing the service pack on the machines where SUT is running, then run the whole automated test suite to verify itsbehavior
- C. Verify the behavior of the whole automated test suite by running all the automated tests
- D. Do not run any tests because you can immediately confirm the correct functioning of the automated test suite

Answer: A

NEW QUESTION 2

Which of the following success factors for a test automation project is TRUE?

- A. Automated tests must be designed to capture only the datathat is strictly needed for comparing expected and actual results
- B. The test cases to be automated first must always be selected based on the number of times a test will need to be run
- C. The test cases to be automated must have a high dependency on particular data values
- D. Automated tests that fail due to changes in the requirements of the SUT should be promptly fixed rather than disabled from the test suite

Answer: D

NEW QUESTION 3

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 stepthat 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 elementsinstead
- D. Verify whether naming standards for variables and have been defined for the current automation solution

Answer: A

NEW QUESTION 4

The GUI of a Customer Relationship Management (CRM) application has been delivered through internet Explorer with proprietary Active X and Java controls. This implementation enables rich client capabilities, but specific commercial automation tools are necessary to automate test cases at GUI of functional test cases. This is to demonstrate whether a small set of the commercial are able to properly recognize actions taken by a tester when interacting with GUI of the CRM application.

Which of the following scripting techniques would be MOST suitable in this scenario?

- A. Data-driven scripting
- B. Keyword-driven scripting
- C. Linear scripting
- D. Structure scripting

Answer: D

NEW QUESTION 5

You have been asked to automate a set of functional tests at system Test level via the CLI of the SUT for the first release of a software system. The automated tests will be delivered to the learn in change of maintenance testing, who will use them for part of the regression testing. They have the following requirements.

- * 1. The automated tests must be as fast and cheap to maintain as possible
- * 2. The cost of adding new automated tests must be as low as possible
- * 3. The automated tests musthave a high level of independence from the tool itself

Which of the following scripting techniques would be MOST suitable?

- A. Data-driven scripting
- B. Keyword-driven scripting
- C. Linear scripting
- D. Structure scripting

Answer: D

NEW QUESTION 6

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

- A. When automating regression tests, the structure of automated tests mustalways 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, theinitialization 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 7

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 8

You are currently designing the TAA of a TAS. You have been asked to adopt an approach for automatically generating and executing test cases from a model that defines the SUT. The SUT is a state-based and event-driven that is described by a finite-state machine and exposes its functionality via an API. The behavior of the SUT depends on hardware and communication links that can be unreliable.

Which of the following aspects is MOST important when designing the TAA in this scenario?

- A. Looking for tools that allow direct denoting of exceptions and actions depending on the SUT events.
- B. Adopting a test definition strategy based on classification tree coverage for the test definition layer.
- C. Looking for tools that allow performing setup and teardown of the test suites and the SUT.
- D. Adopting a test definition strategy based on use case/exception case coverage for the definition layer.

Answer: C

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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