CTAL-TAE Q&As

Certified Tester Advanced Level - Test Automation Engineer (CTAL-TAE)

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QUESTION 1

Which of the following is NOT a technical design consideration for a TAA?

A. The number of users for the SUT

B. Availability of interfaces for the SUT to be testable

C. Standards and Legal requirements, e.g data privacy

D. Data used by the SUT, e.g configuration, users

Correct Answer: A

QUESTION 2

A web application was released into production one year ago, it has regular release which follow a V-model lifecycle and testing is well-established and fully integration into the development lifecycle. You have been asked to implement a TAS for the regression test suite. The regression tests have been developed via the GUI and are expected to be run at least four times a month, for each planned release, for the whole operation solution life of the system (six years). Each screen of the GUI uses several third-party controls which are not compatible with the existing automation solutions. The environment for the automation will be stable, fully controllable and separated from other environments (development, staging, production). What could be the MOST problematic for this TAS?

A. Maturity of the test process

B. Complexity to automate

C. Frequency of use

D. Sustainability of the automated environment

Correct Answer: D

QUESTION 3

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 allows 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.

Correct Answer: C

QUESTION 4

Which of the following statements does NOT describe good practice for maintaining the TAS?

A. The TAS must run in the development environment because development and programming knowledge are required for its maintainability

B. The TAS must be under configuration management, along with the test suite, the testware artefacts and the test environment in which it runs

C. The TAS must separate the test scripts from the environment in which it runs and from the associated harnesses and artefacts

D. The TAS must consist of components that can be easily replaced without affecting the overall behavior of the TAS itself

Correct Answer: A

QUESTION 5

Consider a TAS that is going to be deployed for the first time. The TAS requires share resources and run it its own test environment. The infrastructure for the TAS has been created along with maintenance procedures. It is very unlikely the TAS will be required to work in other target Environments. There is a high-risk that when the TAS is deployed in its own test environment, a number of existing application will no longer work because of conflicts with the existing shared resources. Which of the following activities would you expect to be MOST effective at mitigating the risk associated with the first deployment of the TAS?

A. Testing the TAS for application compatibility issues in the target environment

B. Testing the TAS for its ability to be implemented in other target test environments.

C. Testing the TAS for regressions due to optimization that fix non-functional issues.

D. Testing the TAS for ITS ability to run a shared test environment

Correct Answer: B