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Exam : **CTAL-TAE**

Title : ISTQB Certified Tester Advanced Level - Test Automation Engineering CTAL-TAE (Syllabus v2.0)

Version : DEMO

1.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 highlight's 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 allowschecking a webpage load everyseconds 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: B

2.Which of the following attributes should NOT be included in a test execution report associated with a suite of automated tests?
A. Summary of the test execution results
B. System/Application under test and its version
C. Defect clusters identified during test execution
D. Environment in which the tests have been executed
Answer: C

3.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 its behavior
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

4.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
Answer: A

5.A TAS uses a commercial test automation tool and the default logs generated by the inconsistent formats such as different types of messages (pass/fail steps, screenshots, warnings, etc.) To solve this issue some custom logging functions have been created from the test scripts, making it possible to log the different types of messages with the same format. However, this may cause a problem due to excessive size of the logs which can make it difficult to find the required information. Assume that all the default logs will be disabled when running the automated tests and that some tests will not generate excessively sized logs.
Which of the following represents the BEST suggestion for implementing the custom logging functions?
A. Implement the custom logging functions without saving timestamps
B. Implement the custom logging functions to support different levels of tracing
C. Implement the custom logging functions without saving stack traces
D. Implement the custom logging functions to redirect the logs to multiple files
Answer: B