CTAL-TAE^{Q&As}

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

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QUESTION 1

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

Correct Answer: B

QUESTION 2

As a TAE you are evaluating a functional test automation tool that will be for several projects within your organization. The projects require that tool to work effectively and efficiently with SUT\'s in distributed environments. The test automated tool also needs to interface with other existing test tools (test management tool and defect tracking tool.) The existing test tools subject to planned updates and their interface to the test automated tool may not work property after these updates. Which of the following are the two LEAST important concerns related to the evaluation of the test automation in this scenario? Is the test automation tool able to launch processors and execute test cases on multiple machines in different environments? Does the test automation tool support a licensing scheme that allows accessing different sets? Does the test automation tool have a large feature set, but only part of the features will be sets? Do the release notes for the planned updates on existing specify the impacts on their interfaces to other tools? Does the test automation tool need to install specific libraries that could impact the SUT?

A. A and C

B. A and E

C. B and E

D. C and D

Correct Answer: C

QUESTION 3

Which of the following statements BEST describe aspects of the SUT to consider when designing a TAA?

A. All the interaction between SUT and TAS should be logged with the highest level of detail

B. All the internal test interfaces of the SUT should be removed prior to the product release

C. All the interface of the SUT affected by the tests should be controllable by the TAA

D. All the external test interfaces of the SUT should be removed prior to the product release

Correct Answer: A

QUESTION 4

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.

Correct Answer: A

QUESTION 5

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

Correct Answer: D