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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 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

Correct Answer: D

QUESTION 2

Designing the System Under Test (SUT) for testability is important for a good test automation approach and can also benefit manual test execution. Which of the following is NOT a consideration when designing for testability?

A. Observability: The SUT needs to provide interface that give insight into the system.

B. Re-useability: The code written for the SUT must be re-useable for other similar system.

C. Clearly defined architecture: The SUT Architecture needs to provide clear and understandable interfaces giving control and visibility on all test levels.

D. Control: the SUT needs to provide interfaces that can be used to perform actions on SUT.

Correct Answer: A

QUESTION 3

You are executing the first test run of a test automation suite of 200 tests. All the relevant information related to the state of the SUT and to the automated test execution is stored in a small database. During the Automated test run you observe that the first 10 test pass, while an abnormal termination occurs when executing the 11th test. This test does not complete its execution and the overall execution of the suite is aborted. An immediate analysis of the abnormal termination is expected to be time consuming and you have been asked to produce a detailed report of the execution results for the first test run, as soon as possible. What is the MOST important FIRST step to be taken immediately after the abnormal occurred when executing the 11th test?

A. Re-run the test automation suite starting from the 12th test

B. Return the database to a consistent state that allows subsequent test to run

C. Take a backup of the database in its current state. So It can be analyzed later

D. Re-run the test automation suite starting from the 1st test.

Correct Answer: C

QUESTION 4

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 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 must have 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

Correct Answer: D