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ISTQB Certified Tester Advanced Level-Test Automation Engineering

BCS TAE

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QUESTION NO: 1

A SUT has an existing automated test suite.

Which of the following statements relating to the introduction of new features in the SUT is TRUE?

A. Automated tests are not affected by the introduction of a new feature and running them against the new SUT is a waste of effort

B. The introduction of a new feature could require updates or additions to the testware components

C. The test automation engineer should work with the business analysts to ensure the new feature is testable

D. It is generally more difficult to automate test cases for a new feature as the development has not yet started

ANSWER: B

QUESTION NO: 2

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.

ANSWER: C

QUESTION NO: 3

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

Explanation:

A. Keyword-driven scripting

B. Linear scripting

C. Structure scripting

ANSWER: C

QUESTION NO: 4

What is NOT a factor in considering when you are asked to ensure an effective transition from manual to automated tests?

A. Complexity to automate the manual test cases

B. Correctness of test data and test cases

C. The look and feel of the SUT

D. The controllability of the SUT

ANSWER: C

QUESTION NO: 5

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.

ANSWER: C