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QUESTION 1

What represents good practice when automating a manual regression test suite?

A. Test data shared between tests should, where feasible, be stored and accessed from a single source to avoid duplication or introduction of error.

B. All existing manual tests should be decomposed into several smaller automated tests to reduce functional overlap.

C. Remove inter-dependencies between tests to reduce automation failures and costly error analysis.

D. Once a manual test has been automated, execute it immediately to Identify whether it operates correctly.

Correct Answer: D

Reference: https://www.softwaretestinghelp.com/manual-to-automation-testing-process- challenges/

QUESTION 2

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

Correct Answer: D

QUESTION 3

You are implementing test automation for a project and you want to be able to generate test cases automatically using a series of test design tools which use a variety of test design techniques such as decision tables, pairwise testing and

boundary value analysis.

You also want to generate test data automatically which can then be used by the tests.

Initially these tests will be run manually to verify their correctness and ultimately you want to include them in the test execution tool so that they can run unattended.

Which layer of the gTAA will be used to support the specification of the test cases and preparation of the test data?

A. The generation layer

B. The definition layer

C. The execution layer

D. The adaptation layer

Correct Answer: B

Reference: https://www.slideshare.net/jannatindia/chapter-3-the-generic-test-automation- architecture

QUESTION 4

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

QUESTION 5

You have executed an automated test suite for a product that was released into production. Although all the tests passed, there was a major failure in production in an area that was covered well by your automated tests.

You have run the automated tests again and one of the tests is now failing and this is directly related to the production defect that was raised. You decide to run the automated test suite again on the same version of the SUT and the test now

passes.

What SHOULD you do now to verify the validity of the automated tests?

A. Remove the intermittently failing test from the test suite and investigate the reason why the test sometimes passes and sometimes fails.

B. Check that the production defect that was reported was an actual defect

C. Run the automated test suite again and if the test now passes - do nothing

D. Reference: https://www.researchgate.net/publication/341396240_Intermittently_Failing_Tests_in_the_
Embedded_Systems_Domain

Correct Answer: A

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