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QUESTION 1

Which of the following BEST describes why it is important to separate test definition from test execution in a TAA?

A. It allows developing steps of the test process without being closely tied to the SUT interface.

B. It allow choosing different paradigms (e.g event-driven) for the interaction TAS and SUT

C. It allows specify test cases without being closely tied to the tool to run them against the SUT

D. It allows testers to find more defects on the SUT

Correct Answer: D

QUESTION 2

A defect in a SUT has been resolved and validated by an automated defect re-test in the current release of the software. This retest has now been added to the automated regression test suite. Which statement BEST describes a reason why this defect could re-occur in future releases?

A. Automated defect confirmation testing is not effective at confirming that the resolved defect will continue to work in future releases

B. The configuration management process does not properly control the synchronization between software archives

C. The automated regression test suite is not run consistently for future releases.

D. The automated regression test suite has a narrower scope of functionality

Correct Answer: C

QUESTION 3

You are using a gTAA to create a TAS for a project. The TAS is aimed at automatically and executing test cases based on a use-case Modeling approaching that uses UML as a modeling language. All the interaction between TAS and SUT will only be at the API and GUI level. Which of the following components of the gTAA would you EXCLUDE from the TAS?

A. The test reporting component of the test execution layer.

B. The Test execution component of the test generation layer

C. The test execution (test engine of the test execution layer

D. The Command Line Interface (CLI) component of the test adaptation layer

Correct Answer: D

QUESTION 4

Consider a TAS deployed into production. The SUT is a web application and the test suite consists of a set of automated regression tests developed via GUI. A keyword-driven framework has been adopted for automating the regression tests. The tests are based on identification at low-levels of the web page components (e.g class indexes, tab sequence indexes and coordinates) in the next planned release the SUT will be subject to significant corrective maintenance (bug-fixes) and evolution (new features) Maintenance costs to update the test scripts should be as low as possible and the scripts must be highly reusable. Which of the following statements is most likely to be TRUE?

A. The keyword-driven framework is not suitable, it would be better to adopt a structured-scripting approach

B. False positive errors are likely to occur when running the automated tests on the new releases without modifying the test

C. The total execution time of the automated regression test suite will decrease for each planned release.

D. The keyword-driven framework introduces a level abstraction that is too high and makes it difficult what really happens

Correct Answer: A

QUESTION 5

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

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