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QUESTION 1

You are reviewing the testability of your SUT.

Which of the following BEST refers to the characteristic of OBSERVABILITY?

A. The ability of the SUT to perform its intended function for a specified period of time

B. The ability to exercise the SUT by entering inputs, triggering events and invoking methods

C. The ability of the SUT to prevent unauthorized access to its components or data.

D. The ability to identify states, outputs, intermediate result and error messages in the SUT

Correct Answer: D

QUESTION 2

Which of the following CORRECTLY describes how automation SHOULD be applied to confirmation testing?

A. Confirmation tests are not good candidates for automation as they are not designed to run many times

B. Confirmation tests should only be automated if they fail to pass on the first attempt

C. Confirmation tests can be automated and incorporated into an automated regression suite to show whether defects that were previously fixed reoccur

D. A confirmation test should only be automated after it has been run manually

Correct Answer: C

QUESTION 3

You identified a suitable project to pilot an automation tool and planned and conduced a pilot. The pilot has been successful and tool Is being deployed within your organization, with a plan to increase tool use by the one project at a time. During this rollout some test processes will be changed slightly to gain additional benefits from using the tool.

In the pilot project, a small set of manual tests were automated for the first time. You are currently monitoring the test automation efficiency and this reveals that the automation regime for the tests is not yet mature.

Which of the following statements is TRUE?

A. The approach used for deployed this tool is aligned to the standard success factor for deployment

B. The pilot project should have been critical so that maximum benefits were delivered

C. The target defined for the project was inappropriate, because the automation regime for the automated tests at the end of the pilot is not yet mature.

D. The test process should be radically changed to gain additional benefits from using the tool.

Correct Answer: A

QUESTION 4

Consider a TAS that uses a keyword-driven framework. The SUT is a web application and there is a large set of keywords available for writing the automated tests that relate to highly specific user actions linked directly to the GUI of the SUT. The automated test written with the keywords are statically analyzed by a custom tool which highlight\\'s repeated instances of identical sequence of keywords. The waiting mechanism implemented by the TAS for a webpage load is based on a synchronous sampling within a given timeout. The TAS allows checking a webpage load every seconds until a timeout value

A. Changing the scripting approach to data-driven scripting

B. Implementing keywords with a higher level of granularity

C. Changing the wait mechanism to explicit hard-coded waits

D. Establishing an error recovery process for TAS and SUT

Correct Answer: C

QUESTION 5

The Test Automation Manager has asked you to provide a solution for collecting metrics from the TAS that measures code coverage every time the automated regression test pack is run. The metrics must be trend based to ensure that the scope of the regression test pack continues to reflect enhancements made to the SUT - coverage must not drop and should ideally increase. The solution must be as automated as possible to avoid unnecessary manual overheads and errors.

Which of the following approaches would BEST meet these requirements?

A. Test automation cannot measure code coverage for the SUT, only the code for the automation tools and scripts. The automated test cases would need to be run manually with a code coverage and reporting tool running in the background.

B. The automated testware would record overall code coverage for each run and add the figure to a new row in a pre-formatted Excel spreadsheet. You would then present the spreadsheet to stakeholders so they could look for changes in coverage.

C. The automated testware would record overall code coverage for each run, export the data to a pre-formatted Excel spreadsheet that automatically updates a trend analysis bar chart for you to distribute to stakeholders.

D. The automated testware would record the pass/fail rate of each regression test case, export the data to a pre-formatted Excel spreadsheet that automatically updates a trend analysis success rate bar chart and emails it to stakeholders.

Correct Answer: C