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QUESTION 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

Correct Answer: B

QUESTION 2

You have been asked to develop test automation for a legacy system that is going to go through a series of infrastructure migrations. The scripts will be used to verify basic functionality during these infrastructure changes Your Test Analysts

have some programming skills and need a solution that is simple and fast.

Maintainability of the scripts is not a consideration because no changes to the software are anticipated.

Which of the following is the BEST scripting approach in this situation?

- A. Structured scripting
- B. Capture-replay scripting
- C. Model-Based scripting
- D. Linear scripting

Correct Answer: B

QUESTION 3

Your organisation has successfully implemented a Test Automaton Solution (TAS) for a new project which has since been delivered into production via a number of sprints. A series of maintenance releases are now planned.

Some improvements were made to the Test Automation Architecture (TAA) as a result of feedback from the early sprints. The TAA improvements affected the TA, and the TAS was changed for the final sprint.

The new version of the TAS was generally well received but some performance and usability issues were encountered with the TAS which have yet to be addressed.

The test automation engineers supporting the maintenance releases must decide whether to use the enhanced TAS or the version that was used successfully for previous sprints.

What is the BEST action to take next?

- A. Perform an analysis of risks versus benefits for the enhanced TAS and then decide which version to use.
- B. Use the previous version because this was proven to work. It will be too risky to use the new version, with unresolved issues, for a live system.
- C. Use the new version because, despite some issues, it works, and the live system should not be tested using a different TAS.
- D. Use the new version of the TAS for the first maintenance release on a trial basis. If issues are encountered, switch to the previous version for later releases until the issues are resolved.

Correct Answer: D

QUESTION 4

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

QUESTION 5

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

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