



CTAL-TAE^{Q&As}

Certified Tester Advanced Level - Test Automation Engineer (CTAL-TAE)

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QUESTION 1

A regression test suite consist of 500 test cases which are all executed manually. The business case for a pilot project is based on the adoption of test automation using a commercial tool that will reduce the execution time by a factor of 90% for 100% of the tests in the regression test suite. The pilot project lasted one month (as planned) and you are currently its results. At the end of the pilot project, 40% of the regression tests have been automated and their execution time has been reduce by 60%. Which of the following statements is TRUE in this scenario?

- A. The duration of the pilot project was too short ?t should last unit the success factors are achieved
- B. The target defined for the business case is too accurate ?t should not be measureable
- C. The project selected for the pilot is too critical ?f should not be too critical or too trivial
- D. The target defined for the business case seems difficult to hit ?it should be realistic

Correct Answer: D

QUESTION 2

Consider the following layers of the gTAA structure:

- a. Test generation layer
- b. Test definition layer
- c. Test execution layer
- d. Test execution layer

Consider the following capabilities associated with these layers.

Acquire all the necessary resources before each test and release all after run, in order to avoid interdependences between test

Allow the automated test scripts on an abstract level to interact with components, configurations and interfaces of the SUT.

Design test directives that allow configuring the algorithms used to automatically produce the test cases a given model of the SUT.

Allow the definition and implementation of test cases and data by means of templates and/or guidelines.

Which of the following BEST matches each layer with the appropriate capability?

- A. a-3, b-4, c-1, d-2
- B. a-4, b-3, c-1, d-2
- C. a-4, b-3, c-2, d-1



D. a-3, b-4, c-2, d-1

Correct Answer: C

QUESTION 3

Which of the following metrics could suggest, under certain condition that an automated regression test suite has NOT been updated for new functionalities added to the SUT?

- A. The ratio of comments to executable statements in the SUT code.
- B. The SUT code coverage provided by the execution of the regression test suite.
- C. The defect density in the automation code of the regression test suite.
- D. The ratio of commands to executable statements in the automation code of the regression test suite

Correct Answer: C

QUESTION 4

Consider a SUT that small run on multiple platform during the execution of automated test runs. In each test run an automated test suite needs to be executed, with the same version of the TAF, against the same version of the SUT of each platform. Each platform shall have its own dedicated test environment. Your goal is to implement a process as automated as possible (i.e with minimal manual intervention) that allows implementing a consistent setup of the TAS across the multiple test environments. Which two of the following aspects are MOST relevant for achieving your goal in this scenario?

A) The configuration of the TAS uses automated installation scripts B) The TAF saves the logs needed to debug errors in XML format C) Features of the TAF not used by the automated tests have been tested D) All the automated test cases contain the expected results E) The TAS components are under configuration management

- A. A and E
- B. B and C
- C. B and D
- D. A and D

Correct Answer: A

QUESTION 5

You identified a suitable project to pilot an automation tool and planned and conducted 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: D

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