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QUESTION 1

A web application was released into production one year ago, it has regular release which follow a V-model lifecycle and testing is well-established and fully integration into the development lifecycle. You have been asked to implement a TAS for the regression test suite. The regression tests have been developed via the GUI and are expected to be run at least four times a month, for each planned release, for the whole operation solution life of the system (six years). Each screen of the GUI uses several third-party controls which are not compatible with the existing automation solutions. The environment for the automation will be stable, fully controllable and separated from other environments (development, staging, production).

What could be the MOST problematic for this TAS?

- A. Maturity of the test process
- B. Complexity to automate
- C. Frequency of use
- D. Sustainability of the automated environment

Correct Answer: D

QUESTION 2

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 3

You are working on a web-based application called Book Vault that allows people to upload books and order books.

This application must be available on all major browsers.

You have been testing the application manually and management have asked you to consider automating some of the tests.

You have investigated a number of commercial and free tools which can automate tests at a web browser level and one tool in particular meets your requirements and you have implemented a trial version.

You have basic programming skills and the main goal is to automate a few functional tests to see if the tool is compatible with the application and can recognise the objects and controls.

Which scripting technique would be MOST suitable in this scenario in order to meet the objectives?

- A. Structured scripting
- B. Capture-replay scripting
- C. Data-driven scripting
- D. Model-based scripting

Correct Answer: B

Reference: <https://www.professionalqa.com/capture-tool>

QUESTION 4

You are working as a TAE for a company who are re-designing their website. The new website provides information for customers and there are two minor features being developed:

- 1) Request a newsletter
- 2) Ability to contact the organisation with a question or comment

The website must be "mobile friendly" and available on all major web browsers.

You have been tasked to provide an automated solution for web browsers only and to concentrate on the two minor features.

What would be a KEY challenge with automation in this context?

- A. A low level of intrusion is likely from use of existing UI elements, but depending on the solution this might be more complex than a higher level of intrusion.
- B. Because there is a high level of intrusion there may be many false alarms.
- C. Automation might not be possible on the mobile devices.
- D. The benefits of automation might not be achieved for many years due to the complexities of the SUT and automation solution.

Correct Answer: D

Reference: <https://www.britannica.com/technology/automation/Advantages-and-disadvantages-of-automation>

QUESTION 5

Your goal is to verify completeness, consistency and correct behavior of an automated test suite. The TAS has been proven to successfully install in the SUT environment. All the preliminary checks to verify the correct functioning of the automated test environment and test tool configuration, installation and setup have successfully completed. Which of the following is NOT a relevant check for achieving your goal in this scenario?

- A. Checking whether all the test cases contain the expected results
- B. Checking whether the post condition have been fulfilled for all the test cases
- C. Checking whether the loading of the TAS is repeatable in the SUT environment
- D. Checking whether all the test cases produce repeatable outcomes

Correct Answer: D

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