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QUESTION 1

A project consists of distributed teams working in a 24-hour environment, where activities happen at all hours of the day. This project adopts a CI (Continuous Integration) process when developer check-in code and consists of automated activities that include generating a build and deploying it to a test environment. Automated integration tests are run multiple times a day. The project have asked for a report containing the automation test results for every build, which must be available 24/7 to the project team.

Which of the following would be the BEST way to automatically provides this report?

- A. Store the execution results of the integration tests for the last build to a database (without overwriting the results from the previous builds), use this database to automatically update a dashboard containing the build history and test results accessible to the project team.
- B. Store the execution result of the integration tests for the last build to a database (overwriting the results from the previous build), automatically create a test execution report for this build send It via e-mail to the project team
- C. Store the execution results of the integration tests for the last build to a database (without overwriting the results from the previous builds). Automatically create a test execution report for this build and send it via e-mail to the project team
- D. Store the code coverage results of the integration tests for the last build to a database (without overwriting the results from the previous builds). And automatically create a chart showing the trend in code coverage and send via email to the project team.

Correct Answer: A

QUESTION 2

As the TAE, you are working with the organisation\\'s Test Manager to decide which external metrics and which internal metrics should be gathered for the new TAS. Which of the following represents the BEST internal metric that would help measure the quality of the TAS and the number of problems associated with the TAS?

- A. The average maintenance cost to keep an automated test in sync with the SUT
- B. The number of hours of manual test effort saved by implementing a TAS
- C. A measure of defect density within the TAS automation code
- D. A measure of how many automated tests pass and fail

Correct Answer: C

QUESTION 3

You have implemented a keyword-driven scripting framework, which uses a test execution tool to run the tests. This has been in use for the past year and all of the teams now use this framework as the standard approach for test execution.

The teams all work on different aspects of the SUT and they have all experienced significant benefits in the use of this scripting framework. However, on closer examination, you have discovered that there are numerous instances where the teams have the same functionality to test but are using different keywords.

One of your objectives for improvement is to create consistency among the teams.

What is the BEST way to handle this situation?

- A. Move to a model-based approach to scripting where the models include the keywords.
- B. Do nothing, each team are working in isolation and they are all experiencing significant benefits in the way they are currently working.
- C. Provide each team with a set of guidelines and naming conventions for keywords.
- D. Create a central library of keywords and associated definitions for each team to use.

Correct Answer: D

Reference: <https://www.scriptworks.io/blog/automation-testing-framework/>

QUESTION 4

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 5

You are working as a TAE for a company who have been using a web test execution tool for a number of years. The tool has been used successfully on ten web applications in the past.

The company are developing a new web application which has a friendly User Interface, but the developers have used an object throughout the application which the tool is unable to recognise. As a result, you have no way of capturing the object or verifying the contents using the automation tool.

What is the first thing you should do about this problem?

- A. See if the application can be run on a desktop and if the object can be recognised on the desktop by the tool.
- B. Investigate whether the object can be recognised by other test execution tools in the market
- C. Ask the developers to remove the object and replace it with some text fields
- D. Ask the developers if they can change the object to something that can be recognised by the tool

Correct Answer: B

Reference: <https://www.softwaretestinghelp.com/web-application-testing/>

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