Free Questions for CT-TAE by certsinside

Shared by Watson on 15-04-2024

For More Free Questions and Preparation Resources

Question 1

You are implementing test automation for a project that has a business critical application A test execution tool is being used to run automated regression tests. The results from the test execution tool are very important and need to be 100% accurate.

You want to merge the test automation results with the test management system that also records the manual test results so that managers can make informed decisions about the progress quickly.

Which layer of the gTAA will be used to ensure the proper reporting occurs and the interfaces to the test management system are handled?

Options:

A- The reporting layer

B- The logging layer

C- The execution layer

D- The adaptation layer

Answer:

A

Question 2

New features have been added for the current release of a SUT.

Which action would NOT be appropriate for the TAE to perform when evaluating the impact on the TAS?

Options:

A- Gather feedback from the Business Analysts to determine if the current TAS will meet the needs of the new features.

B- Review existing keywords to see if they need to be modified.

C- Run existing automated tests against the updated SUT to verify and record any changes to their correct operation.

D- Evaluate compatibility with existing test tools and, where necessary, identify alternative solutions.

Answer:

A

Question 3

Which of the following is considered a disadvantage of test automation?

Options:

A- Automated exploratory testing is difficult to implement

B- Test automation can be a distraction from the objective of finding bugs

C- Tests are more likely to have operator errors.

D- Slower feedback on the quality of the system.

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?

Options:

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.

Answer:

C

Question 5

You are working on a government system called "Making Tax Digital" or MTD for short. This system is being implemented to stop manual human input error and also to reduce fraudulent behaviour from companies when submitting their tax and VAT returns.

The key concept is that registered companies will need to use government recommended 3rd party software for their accounts and book keeping. These 3rd party applications will have a direct interface into the government's main system for transactions and submissions.

You have been using a test execution tool successfully on the project so far. and have implemented a basic "capture/replay" approach to scripting.

The management have been encouraged with the automation so far, but want the following objectives to be met:

* Test cases added easily

* Reduction in the amount of scripts and script duplication

* Reduction in maintenance costs

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

Options:

A- Linear scripting

B- Structured scripting

C- Data-driven scripting

D- Keyword-driven scripting

Answer:

D

Question 6

Your TAS has been running successfully on a Windows/GUI based SUT for some years. The SUT has undergone minimal change over the years to maintain business as usual, deploying six-monthly releases for minor enhancements and bug fixes using a waterfall lifecycle.

The TAS has not changed at all during this period. The current project for the SUT will be using the Scrum methodology to deliver a more modern, competitive, user interface. It is in the release planning stage with an agreed release backlog and set of sprints outlined.

The move from lengthy waterfall releases to shorter sprints has led you to conduct a review of the current TAS to make sure it is robust and fully optimised for the timescale challenges of the new project.

What two steps would be BEST to undertake during the review?

a) Ensure that new automation code is using the same naming conventions as existing code.

b) Perform a full regression run in Sprint 1 to identify what improvements could be made to the TAS for future sprints.

c) Ensure that the TAS is using the latest libraries for the operating system.

d) Review the functions that act upon the controls for the GUI for possible consolidation.

e) Involve the test team to see what ease-of-use improvements they would like to see made to the TAS.

Options:

A- c and d

B- b and c

C- a and b

D- d and e

Answer:

B

Question 7

Question Type: MultipleChoice

Your functional regression test automation suite ran successfully for the first two sprints and no failures were encountered during the runs. The automation suite records the status of each test case as either 'pass' or 'fail' and has excellent recovery capability built in.

For the third sprint, the TAS log reported several test cases with a status of 'fail'. You investigated each test case and found that most failures were due to a defect in one of the keyword scripts, rather than in the SUT. For those where the failure was in the SUT, defect reports were raised but several were returned by the developers asking for more information to enable them to reproduce the problem.

Which additional log items SHOULD you add to the TAS that would BEST improve failure analysis and defect reporting for future sprints?

a) Dynamic measurement information about the SUT.

b) A status of TAS error', in additional to pass' and 'fail', for each test case.

c) Use of a colour coding scheme so that 'pass' is in red and fail' is in green.

d) A counter to determine how many times each test case has been executed.

e) System configuration information including software/firmware and operating system versions.

f) A copy of the source code for all Keyword scripts executed.

Options:

A- a and b

B- d and e

C- a and c

D- b and e

Answer:

B

Question 8

If model-based testing has been selected for the overall test automation approach for a project, how does that influence the layers of the TAA?

Options:

A- All layers are used, but the test generation layer will be automated based on the defined model

B- There will be no need for the execution layer

C- No adaptation will be needed because the interfaces will be defined by the model

D- There will be no need to design the tests for the API because those will be covered by the model

Question 9

Question Type: MultipleChoice

A major component of your organisation's Test Automaton Solution (TAS) is a popular open-source third-party capture-replay tool for automated functional testing.

Which two of the following must the Test Automation Engineer (TAE) ensure happens for this TAS?

a) The third party tool is placed under configuration management control.

b) The annual support and maintenance costs are agreed with the tool's vendor.

c) It is Important to obtain information about updates and new versions of the tool so that the third party tool is kept up to date.

d) Ensure that the TAS test scripts are integrated into the tool's framework.

e) Ensure that no changes are made to the tool, because modifications are not allowed for third party products.

Options:

Answer:

A

Question 10

Question Type: **MultipleChoice**

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?

Options:

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

Answer:

B