

# Sample Exam – Questions

Sample Exam set A  
Version 2.1

## ISTQB® Test Automation Engineering Advanced Level

Compatible with Syllabus version 2.0

---

International Software Testing Qualifications Board

---



## Copyright Notice

Copyright Notice © International Software Testing Qualifications Board (hereinafter called ISTQB®).

ISTQB® is a registered trademark of the International Software Testing Qualifications Board.

All rights reserved.

The authors hereby transfer the copyright to the ISTQB®. The authors (as current copyright holders) and ISTQB® (as the future copyright holder) have agreed to the following conditions of use:

Extracts, for non-commercial use, from this document may be copied if the source is acknowledged.

Any Accredited Training Provider may use this sample exam in their training course if the authors and the ISTQB® are acknowledged as the source and copyright owners of the sample exam and provided that any advertisement of such a training course is done only after official Accreditation of the training materials has been received from an ISTQB®-recognized Member Board.

Any individual or group of individuals may use this sample exam in articles and books, if the authors and the ISTQB® are acknowledged as the source and copyright owners of the sample exam.

Any other use of this sample exam is prohibited without first obtaining the approval in writing of the ISTQB®.

Any ISTQB®-recognized Member Board may translate this sample exam provided they reproduce the above mentioned Copyright Notice in the translated version of the sample exam.

## Document Responsibility

The ISTQB® Examination Working Group is responsible for this document.

This document is maintained by a core team from ISTQB® consisting of the Syllabus Working Group and Exam Working Group.

## Acknowledgements

This document was produced by a core team from ISTQB®: Andrew Pollner (chair), Péter Földházi, Patrick Quilter, Gergely Ágneecz, and Geza Bujdosó.

The core team thanks the Exam Working Group review team, the Syllabus Working Group and Member Boards for their suggestions and input.

The technical review was performed by Judy McKay and Gary Mogyorodi.

## Revision History

Version	Date	Remarks
v2.1	2024/07/04	Minor visual changes to questions 3, 12, 18, 30. Content is not changed!
v2.0	2024/05/03	GA Release

# Table of Contents

Copyright Notice .....	2
Revision History .....	3
Table of Contents .....	4
Introduction .....	5
Purpose of this document .....	5
Instructions .....	5
Questions .....	6
Question #1 (1 Point) .....	6
Question #2 (1 Point) .....	6
Question #3 (1 Point) .....	6
Question #4 (1 Point) .....	6
Question #5 (1 Point) .....	6
Question #6 (1 Point) .....	7
Question #7 (3 Points) .....	7
Question #8 (3 Points) .....	8
Question #9 (1 Point) .....	8
Question #10 (1 Point) .....	8
Question #11 (2 Points) .....	9
Question #12 (2 Points) .....	9
Question #13 (2 Points) .....	9
Question #14 (2 Points) .....	10
Question #15 (2 Points) .....	10
Question #16 (3 Points) .....	11
Question #17 (1 Point) .....	11
Question #18 (1 Point) .....	11
Question #19 (2 Points) .....	12
Question #20 (2 Points) .....	12
Question #21 (1 Point) .....	12
Question #22 (1 Point) .....	12
Question #23 (1 Point) .....	13
Question #24 (1 Point) .....	13
Question #25 (2 Points) .....	13
Question #26 (2 Points) .....	14
Question #27 (3 Points) .....	14
Question #28 (1 Point) .....	14
Question #29 (2 Points) .....	15
Question #30 (2 Points) .....	15
Question #31 (1 Point) .....	16
Question #32 (1 Point) .....	16
Question #33 (1 Point) .....	16
Question #34 (1 Point) .....	17
Question #35 (2 Points) .....	17
Question #36 (2 Points) .....	18
Question #37 (3 Points) .....	18
Question #38 (3 Points) .....	18
Question #39 (2 Points) .....	19
Question #40 (1 Point) .....	19

## Introduction

### Purpose of this document

The example questions and answers and associated justifications in this sample exam have been created by a team of subject matter experts and experienced question writers with the aim of:

- Assisting ISTQB® Member Boards and Exam Boards in their question writing activities
- Providing training providers and exam candidates with examples of exam questions

These questions cannot be used as-is in any official examination.

**Note**, that real exams may include a wide variety of questions, and this sample exam *is not* intended to include examples of all possible question types, styles, or lengths, also this sample exam may both be more difficult or less difficult than any official exam.

### Instructions

In this document you may find:

- Questions<sup>1</sup>, including for each question:
  - Any scenario needed by the question stem
  - Point value
  - Response (answer) option set
- Additional questions, including for each question [does not apply to all sample exams]:
  - Any scenario needed by the question stem
  - Point value
  - Response (answer) option set
- *Answers, including justification are contained in a separate document*

---

<sup>1</sup> In this sample exam the questions are sorted by the LO they target; this cannot be expected of a live exam.

## Questions

### Question #1 (1 Point)

Which of the following is a limitation of test automation?

- a) Usability tests can be automated effectively
- b) Test automation can be executed only after the system under test (SUT) is implemented and deployed
- c) Test automation can only check results that can be verified visually
- d) Test automation can only check results that can be verified by code

Select ONE option.

### Question #2 (1 Point)

Which of the following is true about test automation and the SDLC?

- a) In Agile software development automated tests focus more on acceptance tests than on component tests
- b) In Agile software development automated tests focus more on component tests than on acceptance tests
- c) In the V-model automated test execution must be performed after manual test execution
- d) In the V-model implementation of test automation is performed throughout the whole software development cycle

Select ONE option.

### Question #3 (1 Point)

Which one of the following factors is NOT necessary to consider when determining suitable test tools?

- a) SUT architecture
- b) Actual composition and experience of the test team
- c) Licensing and support of the test tool
- d) Quality of the SUT requirements

Select ONE option.

### Question #4 (1 Point)

When a system is designed for testability, one of the characteristics is that the test automation framework (TAF) can access interfaces to perform actions on the system. What is this characteristic called?

- a) Observability
- b) Controllability
- c) Maintainability
- d) Interoperability

Select ONE option.

### Question #5 (1 Point)

What type of test automation is mainly performed in the Staging environment?

- a) Component testing
- b) Performance efficiency testing and user acceptance testing
- c) Static analysis
- d) Integration testing

Select ONE option.

### Question #6 (1 Point)

In which environment is a fully automated test suite typically executed against a release candidate for the first time?

- a) Preproduction/staging environment
- b) Build environment
- c) Production/operational environment
- d) Integration/test environment

Select ONE option.

### Question #7 (3 Points)

You are working for an IT company which is developing a built-in Android-based car multimedia system. The software contains several components working together. Developers are following the test-driven development approach. After the development of the software, it is delivered to another IT company which integrates the software with the hardware elements and sells them together to car manufacturers.

Which of the following should be considered during capturing the test automation requirements?

- a) Is it important for the test automation approach to support component testing?
- b) Should the test automation approach support beta testing?
- c) Is it important for the test automation approach to support the testing of the software in as many different types of cars as possible?
- d) Which tester roles should be supported by the test automation approach?
- e) Is it important for the test automation approach to support the mobile application store approval?

Select TWO options.

### Question #8 (3 Points)

You are evaluating test automation tools. One of the tools has a very informative dashboard which shows all the relevant test information about the SUT. Also, the tool includes a test logging component which logs all the necessary information that follows test execution and to troubleshoot problems found during the tests. It also contains a customizable test reporting component. During the proof of concept, the tool performed very slowly against the SUT. The current test environment is valid according to the release notes of the tool which means it fulfills the hardware and software requirements.

What should be your next step regarding the selection of this tool?

- a) Acquire more hardware resources for the SUT to decrease the performance degradation
- b) Turn off test logging to improve performance of the tool
- c) Recommend not selecting this tool
- d) Plan to migrate the SUT to another hardware/software environment where there is a possibility for the elimination of the tool overhead

Select ONE option.

### Question #9 (1 Point)

Which of the following is NOT a principle that supports easy development, evolution, and maintenance of the TAS?

- a) The components of a TAS must depend on abstractions rather than on low level details
- b) Every TAS component must be open for extension but closed for modification
- c) Every TAS component must have an abstract, higher level parent component
- d) Every TAS component must have a single responsibility

Select ONE option.

### Question #10 (1 Point)

Which technical design aspect does not address the overall Test Automation Solution?

- a) Selecting test automation tools
- b) Developing user stories
- c) Identifying interface requirements
- d) Utilizing a version control system

Select ONE option.



### Question #11 (2 Points)

You are working in an Android development team and have been maintaining a test automation framework. An additional development team has formed to build a new application. Your project manager asks you to build a test automation framework for this newly formed team. At first, you identify the components that could be reused in building that new framework, then start implementing the additional libraries based on the new application.

In which layer do you configure the connection to the new app?

- a) Core libraries layer
- b) Test scripts layer
- c) Feature files layer
- d) Business logic layer

Select ONE option.

### Question #12 (2 Points)

You are working on a test automation project that is used to automate GUI testing of a web-based public transport service. The project has a limited timescale. There are manual test cases which can be automated first. One of the goals is to implement test cases directly into the automated test scripts.

Which technique or approach should be used for automating test cases to meet the goals?

- a) Using the keyword-driven test technique
- b) Using the behavior-driven development approach
- c) Using the capture/playback test automation approach
- d) Using the data-driven test automation technique

Select ONE option.

### Question #13 (2 Points)

You join a company where manual testing is mature, but test automation has been abandoned for a while now. The testers have generated a massive amount of test data and are typically using 10 to 20 variations per scenario. After your initial review, you see that the TAF can easily be fixed, but the test cases need to be completely revamped.

Which of the following test automation approaches should you choose to achieve great results quickly?

- a) Data-driven testing
- b) Behavior-driven development
- c) Capture/playback
- d) Acceptance test-driven development

Select ONE option.

### Question #14 (2 Points)

You are working on a test automation project that is used to automate GUI testing of an e-commerce site. The site contains a digital assistant which helps users to set up their accounts, their name, billing address, shipping address, and security credentials. Currently, the development of the software is in a phase where usability testers check the digital assistant and give recommendations on necessary changes. This is done iteratively; the developers modify the graphical user interface (GUI), and the usability testers check the modifications, and do usability testing again. The test automation is mainly focused on supporting maintenance testing.

Which design pattern is the best implemented in this case?

- a) Implement the page object pattern and store all the user actions associated with the GUI elements in the relevant page models
- b) Implement the flow model pattern, store all the web elements in the relevant page models, and store all the user actions associated with the GUI elements in the relevant flow models
- c) Implement the facade design pattern and provide interfaces for the GUI elements to hide the used internal locator mechanism
- d) Implement the singleton design pattern and create a single piece of code to handle the locating of elements

Select ONE option.

### Question #15 (2 Points)

The senior management wants to implement a TAS in your organization and asks you to lead this initiative. You have been given directions to start a pilot project.

Which of the following statements best describes the objective of this pilot project?

- i. Document the SUT parts which have not been documented during the development
  - ii. Identify the metrics and the measurement methods to monitor the SUT in the production environment
  - iii. Analyze defects found during the testing of the TAS
  - iv. Evaluate licensing options and corporation rules
  - v. Select the most suitable commercial off-the-shelf or open-source tool
- a) i, ii and iii are valid objectives of the pilot project
  - b) ii and iv are valid objectives of the pilot project
  - c) i, ii and v are valid objectives of the pilot project
  - d) iv and v are valid objectives of the pilot project

Select ONE option.

### Question #16 (3 Points)

There is an IT company which develops an often-changing financial software product using the Agile software development model. The development, the integration and the deployment processes are highly automated. You are working on a TAS which contains functional suitability tests which must be executed automatically after each daily build.

Pair up the deployment risks below with the relevant mitigation strategies:

1. Test execution is not triggered by the build
  2. Only the full test suite can be executed
  3. Test data is not available when starting the test
  4. It is not easy to troubleshoot failed tests
- 
- A. Log detailed information during test execution
  - B. Integrate test automation into the continuous integration/continuous delivery (CI/CD) pipeline
  - C. Use third-party tools to generate test data
  - D. Utilize test harnesses and test fixtures
- 
- a) 1-C, 2-B, 3-D, 4-A
  - b) 1-A, 2-B, 3-C, 4-D
  - c) 1-B, 2-D, 3-C, 4-A
  - d) 1-D, 2-B, 3-C, 4-A

Select ONE option.

### Question #17 (1 Point)

Which one of the following is an important factor to improve code maintainability?

- a) Define generic functions with all the necessary parameters
- b) Let developers uniquely name code variables
- c) Use static analyzers to keep the code clean
- d) Hardcode values to easily understand their meaning

Select ONE option.

### Question #18 (1 Point)

What is the best approach to reduce the maintenance time required for the test automation code?

- a) Store the code outside a configuration management system
- b) Hardcode all data
- c) Leverage design patterns
- d) Use a configuration management system

Select ONE option.

### Question #19 (2 Points)

There is an IT company which develops an often-changing financial software product using the Agile software development model. The development, the integration and the deployment processes are highly automated. There is a CI/CD pipeline currently established. You are working on a TAS. The goal is to create a TAS which can be used for as many test automation purposes as possible.

Which of the following options are valid purposes for test automation in this case?

- a) Run a regression test suite every night
- b) Execute a build of a component
- c) Run a static code analysis
- d) Execute an automated performance efficiency test in the CI/CD pipeline
- e) Package and deploy the application as part of the deployment phase

Select TWO options.

### Question #20 (2 Points)

Which statement is correct?

- a) Tests are not executed as part of the deployment phase
- b) Tests are not executed as a separate pipeline, triggered by the successful deployment
- c) Test cases do not act as a quality gate when different automated test suites will run on each deployment
- d) Test in a preproduction environment can be used to ensure the SUT functionality

Select ONE option.

### Question #21 (1 Point)

How is configuration management used in test automation?

- a) It enables the management of test data and test environment configurations
- b) The SUT configuration can be stored and easily removed
- c) It enables management of user rights for accessing test automation
- d) Test automation results can easily be analyzed

Select ONE option.

### Question #22 (1 Point)

Which item below is NOT part of the test environment configuration?

- a) Uniform resource locators (URLs)
- b) Credentials
- c) Test data
- d) Common core library

Select ONE option.

### Question #23 (1 Point)

Which of the following is NOT true for contract testing?

- a) It is a lightweight form of API testing
- b) Can be used to test the communication of microservices
- c) Validates the compatibility of two separate systems
- d) Verifies whether a system satisfies its contractual requirements

Select ONE option.

### Question #24 (1 Point)

You are on a project where the teams are working on breaking down an old monolithic web service into several microservices. Which documents can help to build your TAS?

- i. Application programming interface (API) specification
  - ii. System architecture diagram
  - iii. Test strategy
  - iv. Release notes
- 
- a) i, ii, and iv
  - b) i and ii
  - c) ii, iii, and iv
  - d) i

Select ONE option.

### Question #25 (2 Points)

You are working on a test automation project that is used to automate GUI testing of an online web shop. The web shop contains a wizard which helps users to set up their accounts, their name, billing address, shipping address, and security credentials. During the test automation, the steps of the wizard are recorded first. Screenshots are taken and stored during these steps. We consider these as the baseline. The baseline was then rerun with no change to the SUT and all tests passed.

After the developers submit a change to the wizard, the recorded test scripts are played back, and the screenshots of each step are compared with the baseline screenshots. During a playback all previous test cases fail. You examine the test results in detail.

What is the main reason for this experienced behavior?

- a) An internally used technical session ID is also recorded, which changes during the playback. This should be substituted with variables
- b) The screenshots are not properly linked to the steps and are therefore compared in the wrong order
- c) Comparing screenshots cannot give a reliable test result, so another method must be used to evaluate the test result
- d) The date in the GUI header is different from the date when it was recorded. This date field should be removed from the comparison
- e) Screenshots are captured with low resolution; the details are blurred, and the comparison cannot give reliable results in this case

Select TWO options.

### Question #26 (2 Points)

You are working on a project where you are responsible to extend the current TAF that is used for web service testing, with additional test logging capabilities. The TAF uses a third-party tool to create file logs and an HTML report to quickly visualize the test results. In the test implementation, several dynamic values are used for generating the actual test data and the SUT connects to several legacy test systems. Unfortunately, the tests are very unstable, and you need to add meaningful information to the test logging to better analyze the reasons for the failures.

What additional information should not be included in the test logging to make it more useful and why?

- a) Timestamps should be included in the test logs to see if the failure connects to a given legacy system outage
- b) Screenshots should be included to see actual request-responses
- c) The randomly generated values should be logged to see the actual results that were used during test executions
- d) In case of assertion failures meaningful information like actual results versus expected results should be logged instead of stack traces

Select ONE option.

### Question #27 (3 Points)

During the design phase of a performance critical software product, management decides to create a TAS to do load testing on the software to measure its performance. The product contains different architectural components, including a browser-based front end, microservices implemented in the back end, and a relational database. It is important to measure all individual transactions in the entire architectural stack.

How can you automatically provide this information from the test automation software?

- a) You cannot. This information has to be gathered manually at the end of every transaction
- b) The test automation engineer (TAE) can record the timing information during the execution of all transactions
- c) Trace IDs should be populated across the software components and measured time values should be associated with these IDs
- d) Third-party tools should be inserted into the different layers of the architecture and these agents should log the collected data into a database

Select ONE option.

### Question #28 (1 Point)

There is more than one series of test runs. Management wants to see if the test success rate is improving between test runs.

What is a good way of fulfilling this requirement?

- a) Compare the test results with the expected results
- b) Traffic lights should indicate the progress of test execution
- c) Detailed test reports with percentages of test completion
- d) Introduce an analysis feature which takes the previous test results and highlights trends

Select ONE option.

### Question #29 (2 Points)

Your manager has requested that you develop a TAS for a computer-aided design (CAD) software program. This software has several different versions in production, and it has been ported to different languages and platforms. There are manual testing activities that must be automated. At the end of system testing, manual testers execute the software on their local computers and check the proper translation of the GUI elements. Each manual tester uses different language settings, versions, and platforms. As the first step in test automation, all testers should record the tests they have performed using a capture/playback tool.

What might be an important consideration when designing this TAS?

- a) Establish a central repository from which the same version of the capture/ playback tool can be installed
- b) Create and document an installation procedure of the CAD software
- c) Set up a central test environment where the CAD software is installed and create an automation script which copies this environment to each local computer
- d) Use configuration management for the dictionary files

Select ONE option.

### Question #30 (2 Points)

You work in a software development team that requires testing to occur in many different test environments. Your manager has expressed that the team is spending a significant amount of time overcoming errors because the test automation solution (TAS) is not configured correctly when using it in a new test environment. Additionally, there appear to be version differences when comparing the TAS in each test environment. Even new test environments sometimes are set up with very old TAS components. The team is having a hard time keeping up with software changes and the test automation is not providing the value it should.

Which options would help address this situation?

- a) Create an automated installation script for the tools and configurations that make up the TAS
- b) Limit the TAS to only be used in the most important test environments
- c) Utilize a repository to store the TAS that is accessible to all test environments
- d) Leverage manual testing to verify that the TAS has been configured properly in all test environments
- e) Due to time constraints skip the implementation of components tests for the TAS

Select TWO options.

### Question #31 (1 Point)

You are about to verify an automated test suite. During the verification process you have found that some test scripts pass one time and fail at another, therefore not providing reliable test results.

What should you do to verify the validity of your test scripts?

- a) This is due to the parallel execution of the test scripts; synchronization would solve the problem
- b) Re-execute the automated test suite and analyze the test results again
- c) Remove the test scripts from the automated test suite and analyze them separately
- d) This happens because several test scripts are using the same test data, so the separation of test data for each test script would resolve the problem

Select ONE option.

### Question #32 (1 Point)

You have a test suite containing 25 automated tests that verify the login functionality of an application's home page. The test suite is executed at the end of each two-week sprint cycle for regression test purposes. You notice that two test cases out of the 25 may sometimes cause a race condition in the application or receive a random error.

What action should you take for these two test cases?

- a) Take no action because sometimes they execute successfully
- b) Reduce the amount of test cases in the test suite from 25 to 15 and see if the test suite passes with the smaller amount
- c) Remove the two test cases from the active test suite and analyze them separately to find the root cause
- d) Replace the two test cases with ones that pass repeatedly so that the test suite still has 25 automated test cases

Select ONE option.

### Question #33 (1 Point)

You are working on a project to automate a regression test suite. When the regression test suite was executed manually last time, all the tests passed. But when you execute them via the test automation solution (TAS), you find there are some failed tests.

What should you do to handle this situation?

- a) Analyze log files to identify the root cause of the problem
- b) Eliminate these test cases from the automated test suite, so the remaining tests can pass
- c) Open a defect for the SUT as the failed tests are indicating an SUT problem
- d) This is normal because automated tests behave differently than manual tests

Select ONE option.



### Question #34 (1 Point)

You are preparing to execute a test automation suite for a security-critical application which has to fulfill the highest security requirements.

Which approach should you follow to verify the test automation code?

- a) Search the test logs for possible credential data
- b) Eliminate test cases using sensitive test data
- c) Execute the test suite slowly and methodically to check if there are any security vulnerabilities
- d) Use a static analysis tool to identify security vulnerabilities

Select ONE option.

### Question #35 (2 Points)

You are working on a test automation project that is used to automate graphical user interface (GUI) testing of an online web shop. The web shop contains a wizard which helps users set up their accounts: their names, billing address, shipping address and security credentials. Currently, the development of the software is in a phase when usability testers check the wizard and give recommendations about the necessary changes. This is done iteratively; the developers modify the GUI, the usability testers check the modifications, and repeat the usability testing. The test automation is mainly focusing on maintenance testing. In these UI-based test cases, data also includes UI locator values. An existing problem is that developers often change the internal identifiers of UI elements, so maintaining tests requires a lot of effort.

Which of the following could be an important opportunity for improvement?

- a) Apply schema validation, which checks if mandatory response elements are present on the GUI
- b) Improve test logging to include information about UI elements and their locators to easily identify the broken test cases
- c) Create a test histogram, which enables the TAEs to identify and select test cases that are fragile
- d) Use an artificial intelligence (AI) algorithm - which is based on machine learning and image recognition - to identify the new selectors and use self-healing to fix the test cases

Select ONE option.

### Question #36 (2 Points)

Your organization maintains a regression test suite of over 1000 automated test cases that has been extremely reliable over the years. Recently the development team has decided to modernize their technology stack and are currently refactoring how their front end operates. You notice that the application is far more API-driven than the previous version and this has an impact on how UI elements render. You anticipate this is going to impact the success rate of 75% of your automated test cases.

What data analysis approaches should you use to determine how to fix your impacted automated test cases?

- a) Run the test cases several times in a CI/CD pipeline, perform visual report analysis, and draw conclusions from a test histogram
- b) Use AI algorithms and API schema validation tools
- c) Recreate automated test cases to replace the ones that are not working properly and will execute on the new application
- d) Avoid automating certain test cases after analyzing exception logs, screenshots, and error messages

Select ONE option.

### Question #37 (3 Points)

You are working on an automated regression test suite that takes too long a time to execute, and its execution does not finish overnight. The test environment is only available for regression testing during the night. Running multiple suites in parallel is not an option, as the target system is expensive and exists only as a single instance. What should be your next steps to ensure the test suite execution finishes overnight?

- a) Split the test suite into multiple parts, executing the parts on different nights of the week
- b) Isolate test result verification from the test execution and start the verification process after the test execution during morning hours
- c) Rewrite the tests using the keyword-driven technique as that will be executed faster
- d) Remove some tests from the test suite to reduce overall execution time
- e) Remove any duplicate tests from the test suite

Select TWO options.

### Question #38 (3 Points)

As a TAE, you are evaluating new versions of core libraries.

Which is the correct order that can help you achieve these results?

- a) Create adoption plan; determine impact; update dependencies; perform pilot
- b) Perform pilot; determine impact; create adoption plan; update dependencies
- c) Update dependencies; determine impact; perform pilot; create adoption plan
- d) Determine impact; update dependencies; create adoption plan; perform pilot

Select ONE option.

### Question #39 (2 Points)

You have been performing a quality review of a TAS to optimize the interaction of controls within the GUI. The GUI includes several types of controls (e.g., dropdown list, checkbox, text field). There are also separate functions in the test scripts which act upon the different types of GUI controls to gather information and to set them (e.g., visible/not visible, enabled/not enabled). Which of the following steps should you consider to increase the efficiency of the TAS?

- a) Separate the testing of the controls based on their types into different test suites
- b) Research if there is a test automation tool which can replace the current solution
- c) Check if there are any functions that can work with several types of controls, and consolidate the test scripts using these functions
- d) Use the new operating system functions in the test scripts to handle the GUI controls

Select ONE option.

### Question #40 (1 Point)

For an automated performance test of a customer management system, it is needed to have customers with multiple profiles based on different data inputs as test data.

What is the best way to implement such a solution?

- a) Use a test automation tool to call a web service endpoint that registers these users and feeds in the data
- b) Register these users manually via the GUI, so the GUI functionality can also be tested
- c) Use the production database during the test as it has the real volume and type of data
- d) Implement a test automation script to anonymize customer data before using it during the performance test

Select ONE option.