

Automation Developer Professional Practice Test (Sample)

Study Guide



Everything you need from our exam experts!

Copyright © 2025 by Examzify - A Kaluba Technologies Inc. product.

ALL RIGHTS RESERVED.

No part of this book may be reproduced or transferred in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, web distribution, taping, or by any information storage retrieval system, without the written permission of the author.

Notice: Examzify makes every reasonable effort to obtain from reliable sources accurate, complete, and timely information about this product.

SAMPLE

Questions

- 1. What does a test script in automation contain?**
 - A. Visual documentation of software**
 - B. Instructions for performing tests automatically**
 - C. Manual user guides**
 - D. Database connectivity information**
- 2. What aspect of test automation facilitates regular updates?**
 - A. Test script execution time**
 - B. Continuous Integration**
 - C. Custom reporting tools**
 - D. Manual regression testing**
- 3. What is the purpose of using data-driven testing?**
 - A. To improve test accuracy**
 - B. To allow the same test script to run with different data sets**
 - C. To enhance user experience testing**
 - D. To simplify the test environment setup**
- 4. Which principle emphasizes writing tests before the actual code?**
 - A. Behavior-Driven Development**
 - B. Test-Driven Development**
 - C. Code-First Development**
 - D. Documentation-First Development**
- 5. What happens when you click an activity or container in the Call Stack Panel?**
 - A. It focuses on that activity or container**
 - B. It starts execution from that activity or container**
 - C. It stops the execution of that activity**
 - D. It reveals the properties of that activity**

- 6. What advantage does the Page Object Model (POM) bring to automation testing?**
- A. Increases test script complexity**
 - B. Enhances code maintainability**
 - C. Reduces the need for documentation**
 - D. Eliminates the need for manual testing**
- 7. What activity is specifically used to create a collection of values in a dictionary?**
- A. Assign Activity**
 - B. Add To Collection Activity**
 - C. Build Collection Activity**
 - D. Initialize Activity**
- 8. Which type of selector is primarily used for identifying elements in complex applications?**
- A. Static selector**
 - B. Dynamic selector**
 - C. Full selector**
 - D. Partial selector**
- 9. What is the primary purpose of the Get File Info activity?**
- A. To create new files.**
 - B. To retrieve the properties of a specified file.**
 - C. To delete files from a folder.**
 - D. To move files between folders.**
- 10. When building automation for an application without direct access, which targeting method can identify the required UI element?**
- A. Image.**
 - B. Selectors.**
 - C. Only Anchors.**
 - D. Image and Fuzzy selectors.**

Answers

SAMPLE

1. B
2. B
3. B
4. B
5. A
6. B
7. C
8. B
9. B
10. A

SAMPLE

Explanations

SAMPLE

1. What does a test script in automation contain?

- A. Visual documentation of software
- B. Instructions for performing tests automatically**
- C. Manual user guides
- D. Database connectivity information

A test script in automation is a critical component designed specifically to automate the testing process. It contains a set of instructions that tell the automation framework what actions to perform when executing tests on the software application. This includes defining the steps to set up the test environment, input data, execute specific operations, check expected outcomes, and handle any assertions or validations. By focusing on the automated execution of tests, these scripts streamline the testing process, enabling faster execution and allowing for more tests to be run with greater consistency compared to manual testing. Quality assurance teams can easily replicate tests across different environments, ensuring reliability and reusability of test scenarios. The other options do not pertain to the essence of an automation test script. Visual documentation of software may provide insights into the application architecture but does not automate tests. Manual user guides are intended for human users rather than automated processes. Database connectivity information is crucial for running tests that interact with a database but is not the primary purpose of a test script itself.

2. What aspect of test automation facilitates regular updates?

- A. Test script execution time
- B. Continuous Integration**
- C. Custom reporting tools
- D. Manual regression testing

The aspect of test automation that facilitates regular updates is Continuous Integration. Continuous Integration (CI) is a development practice that involves frequently integrating code changes into a shared repository. It encourages developers to submit changes regularly, which are then automatically tested by automated test scripts that verify the new code. This practice promotes a systematic approach to software development where testing is an integral part of the integration process. As the codebase is updated frequently, CI ensures that any new features or bug fixes can be tested immediately, enabling teams to detect issues early. The result is a streamlined workflow where the test suite is constantly updated alongside the application, allowing teams to maintain high-quality standards and adapt quickly to changes in requirements or features. In contrast, the other options do not directly address the need for regular updates in the same systematic manner. Test script execution time pertains to the efficiency of running tests rather than their upkeep. Custom reporting tools can provide insights into test results but do not inherently facilitate the update process of the tests themselves. Manual regression testing relies on human effort, which can introduce delays and inconsistencies in how updates are handled. Thus, Continuous Integration stands out as the most effective mechanism for ensuring that test automation can keep pace with the rapid development cycles typical in software projects.

3. What is the purpose of using data-driven testing?

- A. To improve test accuracy
- B. To allow the same test script to run with different data sets**
- C. To enhance user experience testing
- D. To simplify the test environment setup

The purpose of using data-driven testing primarily revolves around the ability to execute the same test script with various data sets. This approach is particularly valuable in automation testing, as it allows for a single script to validate multiple scenarios. By utilizing different sets of input data, testers can comprehensively assess how the application behaves under diverse conditions without the need to multiply the number of test scripts. This efficiency not only saves time and resources but also ensures that a broad coverage of scenarios is tested, which is essential for identifying potential issues. Using data-driven testing, teams can also implement changes to the data without altering the test script logic, making it easier to adapt tests to evolving requirements or new features. This method enhances maintainability and reduces redundancy, leading to more efficient test execution.

4. Which principle emphasizes writing tests before the actual code?

- A. Behavior-Driven Development
- B. Test-Driven Development**
- C. Code-First Development
- D. Documentation-First Development

The principle that emphasizes writing tests before the actual code is Test-Driven Development (TDD). This development methodology promotes the idea of creating a test for a piece of functionality before writing the code that implements that functionality. TDD follows a cycle often referred to as Red-Green-Refactor. In this cycle, the first step is to write a failing test (Red), which clearly defines the expected behavior or output of a feature. Once the test is created, the next step is to write the minimum amount of code necessary to make the test pass (Green). Finally, developers refactor the code to improve its structure and maintainability while ensuring that all tests still pass. This approach helps in ensuring high code quality, maintainability, and facilitating changes by providing a suite of tests that verify the correctness of the code at all times. While Behavior-Driven Development (BDD), also involves tests focused on the behavior of the application from an end-user perspective, it does not strictly dictate the order of writing tests before code as TDD does. Code-First Development focuses on writing code without the emphasis on tests first, and Documentation-First Development is aimed at producing thorough documentation prior to code, neither of which aligns with the core tenet of T

5. What happens when you click an activity or container in the Call Stack Panel?

- A. It focuses on that activity or container**
- B. It starts execution from that activity or container**
- C. It stops the execution of that activity**
- D. It reveals the properties of that activity**

When you click an activity or container in the Call Stack Panel, it focuses on that particular activity or container in the context of the application you are working with. This focus typically means that the interface will highlight or provide visibility to the selected item, allowing you to see its current state and understand its relationship to other elements in the workflow. This is particularly useful for debugging or monitoring the execution flow, as it lets you examine where in the sequence the execution is at any given moment. Selecting an activity or container does not initiate or resume execution from that point, nor does it stop the execution of any activity. Additionally, while it might indirectly provide access to properties or settings for that activity, the primary function of clicking an element in the Call Stack Panel is to gain focus on it for easier analysis and navigation within the process or workflow.

6. What advantage does the Page Object Model (POM) bring to automation testing?

- A. Increases test script complexity**
- B. Enhances code maintainability**
- C. Reduces the need for documentation**
- D. Eliminates the need for manual testing**

The Page Object Model (POM) brings significant advantages to automation testing, particularly in enhancing code maintainability. By organizing test scripts around the concept of page objects, POM allows you to create an object-oriented representation of web pages. Each page object encapsulates the interactions and elements of a specific webpage, meaning that changes to the user interface require updates only in the corresponding page object rather than in every test case where those elements are referenced. This modular approach not only makes the tests cleaner and easier to read but also dramatically reduces the chances of errors. When modifications are needed, developers can quickly make changes in one place (the page object) rather than hunting through numerous test scripts. This leads to a more manageable and scalable test suite, enabling teams to keep up with evolving application features smoothly and efficiently. In contrast, increasing test script complexity, reducing the need for documentation, and eliminating manual testing do not accurately reflect the advantages POM is designed to provide. POM simplifies tests and enhances their organization rather than complicating them or negating the necessity for manual testing altogether.

7. What activity is specifically used to create a collection of values in a dictionary?

- A. Assign Activity**
- B. Add To Collection Activity**
- C. Build Collection Activity**
- D. Initialize Activity**

The Build Collection Activity is specifically designed for creating a collection of values in a dictionary. This activity allows developers to define the structure of the dictionary and populate it with key-value pairs in a clear and organized manner. It streamlines the process, enabling the user to specify multiple entries at once, which is particularly useful when setting up the initial state of a dictionary before it is utilized in further automation logic. The other activities, while they may have their functionalities, do not directly align with the task of creating a collection of values in a dictionary. For instance, the Assign Activity is used to assign values to variables but does not focus on creating collections. The Add To Collection Activity is intended for adding an item to an already existing collection rather than creating it from scratch. The Initialize Activity starts a process or a variable but does not pertain directly to building or populating collections. Therefore, the Build Collection Activity is the correct choice for the specific task of creating a dictionary collection.

8. Which type of selector is primarily used for identifying elements in complex applications?

- A. Static selector**
- B. Dynamic selector**
- C. Full selector**
- D. Partial selector**

The dynamic selector is specifically designed to identify elements in complex applications where the structure and attributes of elements may change frequently. These selectors adapt to such changes during runtime, allowing them to locate elements based on their current states or attributes, rather than relying on fixed identifiers. This flexibility makes dynamic selectors particularly useful in environments where elements may be added, removed, or modified as a result of user interactions or asynchronous operations. In contrast, static selectors are tied to fixed attributes, such as IDs or class names that do not change, making them less effective in applications with a dynamic structure. Full selectors, which typically reference complete paths to elements, may become obsolete if any part of the path changes. Partial selectors can also be valuable, but they might not uniquely identify elements in complex hierarchies where multiple elements could match the criteria. Thus, dynamic selectors stand out as the best choice for ensuring robust and resilient element identification in complex applications.

9. What is the primary purpose of the Get File Info activity?

- A. To create new files.
- B. To retrieve the properties of a specified file.**
- C. To delete files from a folder.
- D. To move files between folders.

The primary purpose of the Get File Info activity is to retrieve the properties of a specified file. This activity allows you to access various attributes of a file, such as its size, creation date, last modified date, and file type. By obtaining this information, you can make informed decisions within your automation workflows, such as determining whether a file exists, checking for its modification date, or assessing its size before proceeding with file-related operations. The other options present functions that do not align with the specific role of the Get File Info activity. Creating new files, deleting files, and moving files between folders are distinct tasks that require different activities designed for those specific purposes. Thus, the focus of the Get File Info activity remains solely on extracting and utilizing file properties rather than manipulating the files themselves.

10. When building automation for an application without direct access, which targeting method can identify the required UI element?

- A. Image.**
- B. Selectors.
- C. Only Anchors.
- D. Image and Fuzzy selectors.

When building automation for an application without direct access, using image recognition as a targeting method can effectively identify UI elements. This approach works by capturing screenshots or using predefined images of the UI components you want to interact with, then using these images to locate the elements on the screen during automation execution. This is particularly useful in applications where traditional selectors (like IDs or classes) are not accessible or where the UI changes frequently, making static selectors unreliable. Image targeting allows the automation tool to search for visual patterns, meaning it can recognize and interact with buttons, fields, or other elements based on their appearance rather than their underlying code or attributes. This method is beneficial for applications such as third-party software or legacy systems where access to the document object model (DOM) is limited or not possible. In contrast, while selectors, anchors, and fuzzy selectors can be useful in certain contexts, they typically rely on identifiable elements within the application's code. For applications with no direct access to such attributes, relying solely on selectors or anchors would not facilitate element recognition effectively. Therefore, the image targeting method stands out as the most reliable approach under these conditions.