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Question 1

Question Type: MultipleChoice

In test automation, what is the value of getting hooks into the System Under Test (SUT)?

Options:

- A- Hooks reduce the need for changes after maintenance of the SUT
- B- Hooks increase the testability of the SUT which may help success
- C- Because hooks don't apply to the service level, we can test web services easier
- D- Because hooks are well documented, they allow us to automate more

Answer:

B

Explanation:

Hooks increase the testability of the SUT, which may help improve the success of test automation. By adding hooks into the System Under Test (SUT), testers can gain access to important information that allows them to better understand the system and its behavior

[1]. This in turn helps them to create more reliable and effective tests, as well as to make the necessary adjustments to the SUT when needed.

In test automation, getting hooks into the System Under Test (SUT) increases the testability of the SUT. Test hooks are points in the SUT where automated tests can interact with it, for example, by sending inputs and receiving outputs. By providing hooks into the SUT, developers make it easier for testers to automate tests and verify the behavior of the SUT. This can improve the overall success of the automation effort by increasing the coverage and reliability of the tests.

Question 2

Question Type: MultipleChoice

Which of the following statements is true?

Options:

- A- The cheapest and best way to automate is to create automated scripts for every manual test
- B- While it is more expensive to automate tests, maintenance of them is much cheaper than manual testing
- C- A recorded automated test script excels in interpreting the context of the testing

D- A manual tester can run tests that an automated test would lack the context to interpret

Answer:

B

Explanation:

Automating tests is generally more expensive than manual testing in terms of initial setup and development costs. However, once automated tests are created, they can be run repeatedly with minimal additional cost. In contrast, manual testing typically requires human testers to perform the same tasks repeatedly, which can be more time-consuming and expensive in the long run.

It's worth noting that creating automated scripts for every manual test is not always the cheapest and best way to automate. Automating tests that are not frequently run or that do not provide much value in terms of detecting bugs or improving product quality may not be the best use of resources. Automated tests should be selected based on the goals of the testing and the expected return on investment.

Manual testers can run tests that an automated test would lack the context to interpret, and automated test script may not excel in interpreting the context of the testing. It depends on the scenario and the automation approach.

Question 3

Question Type: MultipleChoice

Which of the following is a limitation of a test automation project that is likely to cause an organization to get less return on their investment than they expected?

Options:

- A- Approach stating that all manual tests should be automated
- B- The pesticide paradox is decreased with automation
- C- Short-term thinking and inadequate planning for the automation
- D- Executing tests outside of normal business hours

Answer:

C

Explanation:

Short-term thinking and inadequate planning for the automation is a limitation of a test automation project that is likely to cause an organization to get less return on their investment than they expected. Automation should be planned out carefully, with realistic expectations and goals in mind. It is also important to consider potential risks, such as the cost of long-term maintenance and the potential for automation to cause more problems than it solves. Additionally, it is important to consider the time and resources needed to create and maintain the automation, as well as the potential benefits and ROI of investing in automation.

Question 4

Question Type: MultipleChoice

What is the technical debt of a project?

Options:

- A- The cost of hardware taken into account in the project budget
- B- The cost of additional work in the project due to defects and inefficiencies in code and project design
- C- The acronym of 'directly evaluating binary testing'
- D- The cost of implementation of keywords in Keyword Driven Testing, which is to be performed by technical tester

Answer:

B

Explanation:

The technical debt of a project is the cost of additional work in the project due to defects and inefficiencies in code and project design. Technical debt can be created by taking shortcuts during the development process, such as using quick and dirty solutions to complete tasks quickly. This can lead to code that is difficult to maintain, as well as issues with scalability and performance.

Question 5

Question Type: MultipleChoice

What is a test hook?

Options:

- A- A tool that provides an environment for test automation
- B- A tool to automate comparison of actual results with expected results
- C- A customized software interface that enables automated testing of a System Under Test (SUT)
- D- The degree to which tests can be designed and executed

Answer:

C

Explanation:

A test hook is a software interface that enables automated testing of a System Under Test (SUT). It is used to interact with the SUT, for example, by sending inputs and receiving outputs, in order to verify its behavior. A test hook can be customized to suit the specific needs of the SUT and the tests being performed.

Question 6

Question Type: MultipleChoice

Which would be the best set of methods called by a Page Object that corresponds to the following dialog box?

The dialog box contains the following elements:

- A label "Login" followed by a text input field.
- A label "Password" followed by a text input field.
- A "Log in" button.
- A "Cancel" button.
- A link: "If you forgot your password, click **here**."

Options:

- A- log_in, cancel_log_in, remind_password
- B- log_in, cancel_log_in, clear_user, clear_password
- C- enter_login, enter_password, log_in, cancel
- D- push_button(button), enter__text(text), clickjink(link)

Answer:

C

Explanation:

These methods will allow the user to enter their login information, log in, and cancel the log in process if needed. The enterlogin and enterpassword methods will take the user's login information as parameters, and the login and cancel methods will simulate the user clicking the respective buttons.

Question 7

Question Type: MultipleChoice

Assume that within the ACME com homepage there exists the following edit box:

```
<input id="id-search-field" name="q" type="search" role="textbox"
class="search-field" placeholder="Search" value="" tabindex="1"
/>
```

and that it is the only text box with the name "q" Look at the following lines of code:

```
I. drv.get_screenshot_as_file("python_homepage.png")
II. from selenium import webdriver
III. edt_search = drv.find_element_by_name("q")
IV. drv = webdriver.Ie()
V. drv.get("http://acme.com")
```

What is the correct sequence of above lines to take a screenshot of ACME.com homepage?

Options:

A- IV, II, V, I, III

B- II, IV, I, V, III

C- II, IV, III, V, I

D- II, IV, V, I, III

Answer:

C

Question 8

Question Type: MultipleChoice

Which of the following methods can find an element by its class name? Select two options

Options:

A- find__element__by__css__selector

B- find.__element__by__id.

C- find_element_bY_xpath

D- find_element_by_tag_name

E- find_element_by_partial_link_text

Answer:

A, D

Explanation:

The correct methods for finding an element by its class name are A. `findElementByCssSelector` and D. `findElementByTagName`. The `findElementByCssSelector()` method can be used to locate an element by its class name, while the `findElementByTagName()` method can be used to locate an element using the tag name of the element (such as 'div', 'span', 'a', etc).

Question 9

Question Type: MultipleChoice

Given a frame with an ID of "frameID". which of the following is/are the best line(s) of code for changing the context of the test script to the frame?

A)

```
element = driver.find_element_by_id('frameID')
element.frame
```

B)

```
get('frameID').frame
```

C)

```
fr = driver.find_element_by_id('frameID')
driver.switch_to.frame(fr)
```

D)

```
switch_to.frame('frameID')
```

Options:

- A- Option A
- B- Option B
- C- Option C
- D- Option D

Answer:

C

Explanation:

The best line of code for changing the context of the test script to the frame with an ID of 'frameID' is: fr = driver.findelementbyid('frameID') driver.switchto.frame(fr)

Question 10

Question Type: MultipleChoice

Which of the following sentences is correct?

Options:

- A-** There is a way of taking the screenshots of modal message boxes with error messages on web pages with Selenium WebDriver library
- B-** There is no way of taking the screenshots of message boxes with error messages, because the situation when an error is shown on a webpage means that an automated test script has thrown an exception
- C-** There is no way of navigating on a web page when modal message box is shown, so there is no way of taking a screenshot
- D-** There is a way of taking a screenshot of modal message box with error message, but it has to be done outside of Selenium WebDriver library e.g., with Selenium Screenshot library

Answer:

A

Explanation:

There is a way of taking the screenshots of modal message boxes with error messages on web pages with Selenium WebDriver library. Selenium WebDriver provides a number of methods that can be used to take screenshots of web pages, including modal message boxes with error messages. The `screenshot()` method can be used to take a screenshot of the current page and the `get_screenshot_as_file()` method can be used to save the screenshot to a file.

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