

SeU[™] Certified Selenium Engineer (CSE) Sample Exam — 10 Questions with Answers

Released Version 2018 Syllabus

Selenium United



SeU[™] Certified Selenium Engineer - English Sample Exam Questions



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Purpose of this document

This document contains 10 sample exam questions for SeU Certified Selenium Engineer (CSE) in the English language.

The sample questions, answer sets and associated justifications in this document have been created by a team of subject matter experts and experienced question writers with the aim of assisting people who are planning to take the SeU Certified Selenium Engineer (CSE) examination.

None of these questions are used in the official SeU Certified Selenium Engineer (CSE) examination, but they are written to the same level of difficulty as the official certification exam.

Instructions

The question and answer sets are organized in the following way:

- Learning Objectives / Chapters
- Question including any scenario followed by the question stem
- Answer Set

General Information on the sample exam paper:

- Number of Questions: 10
- Number of points: 1 per question
- Please only choose one answer per question.

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List of Chapters

- Chapter 1 Web UI Automation
- Chapter 2 Introduction to Selenium
- Chapter 3 Automating the Web UI With Selenium
- Chapter 4 Beyond Simple Selenium Code Constructs
- Chapter 5 Putting Together a Basic Framework

Main list of LOs for the SeU CSE certification:

LO1	Understand the importance of browser coverage and distinguish various options for testing UI of web applications. (K2)	
	various of source of source of the source of	
LO2	2 Understand the relationship of Web UI with the underlying HTMI	
	and JavaScript with DOM Inspection. (K2)	
LO3	Recall the History of Selenium and various tools in its suite along	
	with their purpose. (K1)	
LO4	Understand the Selenium Architecture in terms of Language	
	Bindings, Communication Protocols and Drivers. (K2)	
LO5	Recognize the purpose and API of Web UI Automation at Browser,	
	Page, Element levels. (K2)	
LO6	Understand and Explain the purpose of JUnit annotations, fixtures,	
	assertions. (K3)	
LO7	Apply different identification strategies for UI elements. (K3)	
LO8	Apply different inquiry and interaction strategies for UI elements.	
	(K3)	
LO9	Apply various deeper Selenium automation constructs, which set the	
	basis for more advanced automation. (K3)	
LO10	Automate end to end user scenarios by using good coding practices	
	and Object-Oriented principles for placing Selenium code across	
	different classes and methods. (K3)	
LO11	Troubleshoot and describe scope of improvement for automation	
	implementation depicted in short code samples. (K3)	





Que	estic	tion 1 (Correct answer	(Correct answer is worth 1 point)		
Whic	ch of	of the following styling properties can be used to determine whether an ele	ment is visible?		
П	(a)	a) view			
П	(b)				
	(c)	,			
	(d)	,			
	()				
Que	estic	tion 2 (Correct answ	ver is worth 1 point)		
Whic	ch of	of the following statements is TRUE about Selenium?			
	(a)	a) Selenium Grid is used to develop Selenese based browser automation	code.		
	(b)	 Selenium needs browser specific executables that support standard JS protocol. 	ON wire		
	(c)	c) Selenium drivers use JSON wire protocol to communicate with browse	rs.		
	(d) Selenium supports only object-oriented programming languages for developing its client bindings.		veloping its		
Question 3 (Correct answer is worth 1 point)					
Whic	ch of	of the following statements is FALSE? (Assume that driver is a WebDriv	ver object)		
	(a)	a) By.className supports compound classes.			
	(b)	o) One cannot use Xpath's ends-with function to identify elements becausupported by most of the browsers.	use it is not		
	(c)	c) driver.switchToParentFrame() switches the search context from to the parent frame.	ı a child frame		
	(d)	d) HtmlUnitDriver does not need any driver executable.			



Question 4

(Correct answer is worth 1 point)

Given the following HTML form snippet:

(c) Vehicle type is unchanged as in this case, sendKeys expects visible text.

(d) Selenium throws NoSuchElementException.



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(Correct answer is worth 1 point)

In a given application, the home page includes quite a few <script> tags for large external JavaScript files. Hence, depending on network conditions, the browser spends 45-90 seconds on loading and rendering the home page. How would you implement synchronization to handle this situation?

	(a)	Will implement a static wait for 90 sec.
	(b)	Will use an implicit wait for 90 sec.
	(c)	Will implement a systematic event based while loop.
7	(d)	Will use explicit wait for 90 sec.

Question 6

(Correct answer is worth 1 point)

Which of the following statements is **TRUE** when an alert is open in a browser? (Assume that driver is a WebDriver object)

- I. driver.findElements throws an exception
- II. driver.close throws an exception
- III. driver.close closes the current window.
- IV. driver.findElements returns an empty list.
- □ (a) I, II.
- □ (b) I, III.
- □ (c) II, III.
- ☐ (d) III, IV.



Question 7

(Correct answer is worth 1 point)

What would be the outcome of the following Java code snippet for Selenium? Assume that:

- driver is a WebDriver object.
- wait is a WebDriverWait object.

☐ (d) Fails while clicking the subMenu

- menu is a parent menu WebElement object.
- subMenu is a sub-menu WebElement object which appears after hovering on the parent menu.
- editName is a text field with id "edit" in a page that appears when the above-mentioned sub-menu is clicked.

Act	ions	<pre>actionBuilder = new Actions(driver);</pre>		
act	<pre>actionBuilder.moveToElement(menu).click(subMenu).build();</pre>			
WebI	Elem	ent editName = wait.until(
	Ex	<pre>pectedConditions.presenceOfElementLocated(By.id("edit"))</pre>		
);				
edit	tNam	e.sendKeys("Updated");		
	(a)	Enters "Updated" in editName field		
	(b)	Throws NoSuchElementException		
	(c)	Throws TimeoutException		



Question 8

(Correct answer is worth 1 point)

Out of the following, which statements represent **PREFERRED** code refactoring of the following basic WebAutomator class for wrapping Selenium WebDriver?

```
public class WebAutomator{
    WebDriver driver;
    public WebAutomator(WebDriver wd) {
        driver = wd;
        WebDriverWait waiter = new WebDriverWait(driver, 15);
    }
    public void click(By by) throws Exception{
        WebDriverWait waiter = new WebDriverWait(driver, 15);
        waiter.until(
            ExpectedConditions.elementToBeClickable(by)
        ).click();
    }
}
```

- I. The waiter variable should be declared as an instance variable.
- II. The waiter variable should be declared as a static variable.
- III. The waiter variable should be assigned value in constructor.
- IV. The waiter variable should be assigned value in click method.
- □ (a) I, III.
- □ (b) II, IV.
- □ (c) I, IV.
- □ (d) II, III.



Que	stic	on 9	(Correct answer is worth 1 point
Whic	h of	the following locator strategies is used to ide	ntify parent element from child element?
	(a)	Class Name.	
	(b)	CSS Selector.	
	(c)	XPath.	
	(d)	Nested Element finding.	
Que	stic	on 10	(Correct answer is worth 1 point
follow	ving	Carter want to implement a test fixture strate options about test fixture strategies are COR activity?	egy in a JUnit5 test class. Which of the RRECT if login is a pre-requisite and logout is a
I. II.	Вє	eforeAll method launches browser; After eforeAll method launches browser & performance quits the browser.	rAll method quits browser. orms login; AfterAll method performs logout
III.	CI	lass constructor launches the browser; Befoethood performs logout & quits the browser.	reAll method performs login; AfterAll
IV.	Ве		gin; AfterEach performs logout and quits the
	(a)	I, III.	

□ (b) II, III.

□ (d) I, IV.

(c) II, IV.

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Answer Key:

Question 1: Answer C is correct

• Web elements have multiple properties that determine their behavior. The property that determines the visibility of an element is its 'display' property.

Question 2: Answer B is correct

Option A is wrong because Selenium Grid's primary purpose is to enable parallel
execution of browser automation. Selenese is the DSL supported by Selenium IDE.
Option B is right. Option C is wrong because the driver executables use browser specific
native API to communicate with browsers. Option D is wrong because Selenium
WebDriver does not put any constraints on the type of programming language to be
used.

Question 3: Answer A is correct

Option A is wrong because By.className does not support compound classes. The other
options are all correct statements.

Question 4: Answer C is correct

• If a drop-down list is implemented in HTML using its standard <select> tag, one can select one of its options using WebElement's sendKeys method. In doing so, one must use the visible text corresponding to the target option.

Question 5: Answer D is correct

Explicit waits are the suggested waiting mechanism.

Question 6: Answer B is correct

• In this case driver.findElements method would throw an exception, however driver.close would close the window as expected.

Question 7: Answer C is correct

Here the perform() call is missing for the compound action, because of which the
compound action is not executed. Because of this the expected page would not be
loaded. This would make the explicit wait not able to locate the element for the complete
wait duration and throw a TimeoutException

Question 8: Answer A is correct

Given the design of this class, the waiter variable would be needed across multiple
methods when more methods are added. Hence it should be made an instance variable
and initialized one time in the constructor.

Question 9: Answer C is correct

 Only one locator strategy in Selenium allows to move back in the DOM out of the provided options – XPath (using .. or /ancestor)

Question 10: Answer C is correct

 Junit fixtures are typically used in corresponding pairs for correct state setup and cleanup. In this case, statements II and IV depict the correct choice of Junit fixture combinations.

