

QUESTION

1

Questions Remaining: 42

Which of the following Selenium code snippets can be used to select a radio button?

- ☐ `WebElement radioButton = driver.findElement(By.id("Status")).click();`
- ☐ `WebElement radioButton = driver.findElement.getAttribute("Status");`
`radioButton.click();`
- ☐ `WebElement radioButton = driver.findElement(By.id("Status"));`
`radioButton.click();`
- ☐ `WebElement radioButton = driver.findElement(By.id("Status")).isSelected();`
- ☐ `WebDriver radioButton = findElement(By.id("Status")).click();`

QUESTION

2

Questions Remaining: 41

Which of the following libraries are required to run a basic Selenium WebDriver project using an @Test annotation?

- ☐ Jenkins
- ☐ Selenium
- ☒ JUnit 4
- ☐ JUnit 5
- ☐ TestNG

QUESTION

3

Questions Remaining: 40

A test consistently fails as it executes because a specific page is not displaying at a large enough size; this results in the target object not being identified. Which of the following correctly substitute ***** in the Selenium test script snippet below to resolve this issue?

```
public class OpenPage {

    public String PAGE_URL = "http://www.AUT.com";
    public String PAGE_TITLE = "Welcome!";

    public WebDriver driver;

    public OpenPage(WebDriver driver) {

        this.driver = driver;
    }

    public void loadPage() {

        driver.get(PAGE_URL);
        *****;
    }
}
```

- ☐ `"driver.manage().window.open();"`
- ☐ `"driver.manage().window.maximize();"`
- ☐ `"driver.manage().setProperty.fullscreen();"`
- ☐ `"driver.manage().window.fullscreen();"`

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- ☐ "driver.manage().window.open();"
- ☐ "driver.manage().window.maximize();"
- ☐ "driver.manage().setProperty('fullscreen',true);"
- ☐ "driver.manage().window.fullscreen();"
- ☐ "driver.manage().window.resize();"

QUESTION

4

Questions Remaining: 39

Which of the following can be used to read or write Selenium test data from an existing Excel file?

- ☐ XML
- ☐ Apache POI
- ☐ COM
- ☐ Excel Transpose
- ☐ Excel Utility

QUESTION

5

Questions Remaining: 38

As part of a build process, an automated Selenium smoke test -- which is a subset of the Regression test suite -- needs to be run after each build process is completed. Which of the following annotations correctly substitute ***** in the testng.xml file below to run only smoke tests?

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite thread-count="1" verbose="1" name="Regression Suite" annotations="JDK" parallel="tests">

    <test name="ValidateOrders">
        <groups>
            <run>
                *****
            </run>
        </groups>
        <classes>
            <class name="Orders"/>
        </classes>
    </test>

</suite>
```

- ☐ <name="smoke"/>
- ☐ <subset = "smoke"/>
- ☐ <subset name = "smoke"/>
- ☐ <group name = "smoke"/>
- ☐ <include name = "smoke" />

QUESTION

6

Questions Remaining: 37

In using a database connection as part of a Selenium test for test data, a `RecordSet` or `ResultSet` correctly refers to which of the following?

- ☐ The set of browser drivers
- ☐ The table schema
- ☐ The JSON file
- ☐ The output of the SQL query
- ☐ The XML file

☐ ☐

QUESTION

7

Questions Remaining: 36

A Selenium tester realizes that some tests were skipped when running a test suite. Which of the following methods will help the tester access the skipped tests?

- ☐ Implementing the `ITestContext` interface and using the `getExcludedGroups()` method.
- ☐ Implementing the `ITestContext` interface and using the `getSuite()` method.
- ☐ Implementing the `IResultContext` interface and using the `getExcludedGroups()` method.
- ☐ Implementing the `IResultContext` interface and using the `getSkippedTests()` method.
- ☐ Implementing the `ITestContext` interface and using the `getSkippedTests()` method.

☐ ☐

QUESTION

8

Questions Remaining: 35

Which of the following describe the primary uses for Selenium WebDriver?

- ☐ Automating functional tests
- ☐ Executing unit tests
- ☐ Performing load tests
- ☐ Tracking manual tests
- ☐ Automating graphical user interface tests

☐ ☐

QUESTION

9

Questions Remaining: 34

Which of the following describe valid reasons for using a headless browser when developing in Selenium?

- ☐ Tests run on multiple operating systems.
- ☐ It does not mimic user actions on a web page.
- ☒ Reduces the use of testing resources.
- ☐ Faster test execution.
- ☐ Requires tests to run on a dedicated machine.

☐ ☐

QUESTION

10

Questions Remaining: 33

Which of the following does Jenkins require to run a set of Selenium test scripts as part of a Continuous Integration (CI) process?

- ☐ The `IntelliJ.xml` file to execute a Java batch file.
- ☐ The `testing.xml` file to execute a Java batch file.
- ☐ The `Eclipse.xml` file to execute a Java batch file.
- ☐ The `selenium.xml` file to execute a Java batch file.
- ☐ The `Maven pom.xml` file to execute a Java batch file.

☐ ☐

QUESTION

11

Questions Remaining: 32

Which of the following describe the use of methods in Selenium WebDriver development?

- ☐ Tool to define variables and variable types.
- ☒ A subprogram that can take a set of inputs to perform a specific set of actions.
- ☐ Tool to define constants and constant types.
- ☐ A subprogram that can be referred to by name to perform a specific set of actions.
- ☐ A subprogram that can return a result after performing a specific set of actions.

QUESTION

12

Questions Remaining: 31

Which of the following can be used to configure a Selenium Grid hub/node?

- ☐ JSON configuration file
- ☒ Command-line
- ☐ Eclipse
- ☐ XML configuration file
- ☐ Browser

QUESTION

13

Questions Remaining: 30

An automation framework has been created in Selenium using JUnit and running in Eclipse. Which of the following correctly identify where the test results can be viewed natively?

- ☐ On the Eclipse console
- ☐ In a text file
- ☐ On the command line
- ☐ In the JUnit perspective
- ☐ In an HTML file

QUESTION

14

Questions Remaining: 29

Which of the following will be returned by executing the Selenium code snippet below?

```
public String getCellData(int RowNum, int ColNum) throws Exception{
    try{
        Cell = ExcelWSheet.getRow(RowNum).getCell(ColNum);
        String CellData = Cell.getStringCellValue();
        return CellData;
    }catch (Exception e){
        return "";
    }
}
```

- ☐ RowName
- ☐ A blank
- ☐ ColName
- ☐ Cell location
- ☐ Cell contents

QUESTION

15

Questions Remaining: 28

As part of the Selenium test cleanup, which of the following correctly substitute ***** for the exception that needs to be caught for the database related objects below?

```
@AfterTest
public void CloseTheConnection() throws ***** {

    if (resultSet != null) {
        try {
            resultSet.close();
        } catch (Exception e) {
        }
    }

    if (stmt != null) {
        try {
            stmt.close();
        } catch (Exception e) {
        }
    }

    if (conn != null) {
        try {
            conn.close();
        } catch (Exception e) {
        }
    }
}
```

- ☐ ConnectionClosedException
- ☐ NoSuchDatabaseException
- ☐ IllegalAccessException
- ☐ DatabaseException
- ☐ SQLException

QUESTION

16

Questions Remaining: 27

Which of the following correctly substitute ***** in the Selenium code snippet below to take a snapshot of the current page and store it in a file format?

```
public class OpenPage {

    public String PAGE_URL = "http://www.AUT.com";
    public String PAGE_TITLE = "Welcome!";

    public WebDriver driver;

    public OpenPage(WebDriver driver) {

        this.driver = driver;
    }

    @Test
    public void Screenshot() {

        driver.get(PAGE_URL);
        *****;

    }

}
```

☐ File source = ((GetScreenshot) driver).TakeScreenshotAs(OutputType.FILE);

☐ File source = TakesScreenshot.getScreenshotAs(FILE);

☒ File source = Screenshot.getScreenshotAs(OutputType.FILE);

☐ File source = ((TakesScreenshot) driver).getScreenshotAs(OutputType.FILE);

☐ File source = (TakesScreenshot.driver). (FILE_NAME);

QUESTION

17

Questions Remaining: 26

As part of a CI process, three Selenium regression suite tests are executed nightly. Which of the following annotations correctly substitute ***** in the testng.xml file below to enable the tests to be run in parallel?

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">

*****

<test name="ValidateOrders">
  <classes>
    <class name="Orders"/>
  </classes>
</test>

<test name="ValidateReports">
  <classes>
    <class name="Reports"/>
  </classes>
</test>

<test name="ValidatePayments">
  <classes>
    <class name="Payments"/>
  </classes>
</test>
```

☐ <suite verbose="1" name="Regression Suite" annotations="JDK" parallel="tests">

☐ <suite thread-count="3" verbose="1" name="Regression Suite" annotations="JDK" >

☐ <suite thread-count="1" verbose="1" name="Regression Suite" annotations="JDK" parallel="scripts">

☐ <suite thread-count="1" verbose="1" name="Regression Suite" annotations="JDK" parallel="tests">

☐ <suite thread-count="3" verbose="1" name="Regression Suite" annotations="JDK" parallel="tests">

QUESTION

18

Questions Remaining: 25

Which of the following make the Selenium WebDriver API more concise than the previous Selenium RC?

- ☐ Able to access disabled elements on the web page.
- ☐ Does not contain redundant or confusing commands.
- ☐ Acts as a middle man between the test script and the browser.
- ☐ Interacts in a more realistic fashion with page objects in the browser.
- ☐ Automatically maximizes the current browser page.

Questions Remaining: 24

Considering the Selenium code snippet below, which of the following correctly substitute ***** to output the baseURL string from the HomePage class?

```
class BasePage {
    String baseURL = "https://apptest.com";
    String testStr = "Testing..."

    ...
}
}
```

```
public class HomePage extends BasePage{
```

```
    ...
```

```
    public static void main(String args[]){
```

```
        HomePage obj = new HomePage();
```

```
        System.out.println(obj.baseURL);
        *****
    }
```

- ☐ System.out.println(BasePage.baseURL);
- ☐ System.out.println(HomePage.baseURL);
- ☐ System.out.println(baseURL);
- ☐ System.out.println(obj.getString(baseURL));
- ☐ System.out.println(obj.baseURL);

QUESTION

20

Questions Remaining: 23

Considering the HTML code below, which of the following Selenium code snippets will select **North America** from the drop-down?

```
<select id="continents" class="input-xlarge" name="continents">
    <option>Asia</option>
    <option>Europe</option>
    <option>Africa</option>
    <option>Australia</option>
    <option>South America</option>
    <option>North America</option>
    <option>Antarctica</option>
</select>
```

- ☐ Select oSelect = new Select(driver.findElement(By.id("continents")));
oSelect.selectByVisibleText("North America");
- ☐ Select oSelect = new Select(driver.findElement(By.id("continents")));
oSelect.selectByIndex(5);
- ☐ Select oSelect = new Select(driver.findElement(By.id("continents")));
oSelect.selectByOption("North America");
- ☐ Select oSelect = new Select(driver.findElement(By.name("continents")));
oSelect.selectByIndex(5);
- ☐ Select oSelect = new Select(driver.findElement(By.id("continents")));
oSelect.selectByIndex(6);

QUESTION

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Questions Remaining: 22

An application under test saves cookies as part of the session; however, this can cause false test failures as part of subsequent tests. If Selenium test automation is executing as part of a continuous integration process, which of the following methods can be used to handle this issue?

- ☐ Add driver.manage().deleteCookieNamed("AllCookies"); to the test teardown or clean up script(s).
- ☐ Add capabilities.setCapability(InternetExplorerDriver.IE_ENSURE_CLEAN_SESSION, true); to the test teardown or clean up script(s).
- ☐ Add driver.manage().deleteAllCookies(); to the test setup or teardown script(s).
- ☐ Manually clear the cache before running the test.
- ☐ Manually clear the cookies before running the test.

QUESTION

22

Questions Remaining: 21

Which of the following are pre-requisites for a Selenium tester to create an XSLT report?

- ☐ PDF convertor
- ☐ HTML code scripts
- ☐ ANT build tool
- ☐ TestNG code scripts
- ☐ PDF reader

QUESTION

23

Questions Remaining: 20

Which of the following correctly substitute ***** in the Selenium code snippet below to set the target operating system to Windows?

```
public class RemoteTest {  
    public static void main(String[] args) {  
  
        System.setProperty("webdriver.chrome.driver", "C://chromedriver.exe");  
        DesiredCapabilities caps = DesiredCapabilities.chrome();  
        *****  
    }  
}
```

- ☐ caps.setPlatform(Platform.WINDOWS);
- ☐ caps.setPlatform(Platform.WINDOWS);
- ☐ caps.setPlatform(WINDOWS);
- ☐ caps.setPlatform(WINDOWS);
- ☐ caps.Platform(WINDOWS);

QUESTION

24

Questions Remaining: 19

Which of the following are trusted locations at which to find the most current download versions of POI (an API to access Microsoft Office formats) and Log4j (an API used for logging) for use with Selenium?

- ☐ Maven Central
- ☐ Microsoft NuGet
- ☐ Apache.org
- ☐ Eclipse Market Place
- ☐ StackOverflow

QUESTION

25

Questions Remaining: 18

A test suite running on Internet Explorer opens a new browser, then fails, throwing a `SessionNotFoundException`. Which of the following are possible causes?

- ☐ The browser is not set to 100%.
- ☒ The WebDriver is acting after the browser has quit.
- ☐ The browser lost focus.
- ☐ The WebElement has been disabled.
- ☐ The browser has been deleted.

QUESTION

26

Questions Remaining: 17

Which of the following will be the output of executing the Java code below in a Selenium script?

```
public static void main(String[] args) {  
    String parent = null;  
    File file = new File("/file.txt");  
    System.out.println(file.getPath());  
    System.out.println(file.getAbsolutePath());  
    try {  
        System.out.println(file.getCanonicalPath());  
    } catch (IOException e) {  
        // TODO Auto-generated catch block  
        e.printStackTrace();  
    }  
}
```


☐ \file.txt
C:\file.txt
C:\file.txt

☐ \file.txt
C:\file.txt
file.txt

☐ C:\file.txt
\file.txt
C:\file.txt

☐ C:\file.txt
file.txt
C:\file.txt

☐ \file.txt
C:\file.txt
\file.txt

QUESTION

27

Questions Remaining: 16

As part of a Continuous Integration (CI) process, Selenium WebDriver and TestNG framework are used for which of the following types of testing?

- ☐ Unit
- ☐ Performance
- ☐ API Integration
- ☒ User Interface
- ☒ Functional

☐ ☐

QUESTION

28

Questions Remaining: 15

A Selenium test is written in a keyword driven format. The people creating and running the tests are complaining the tests fail often. Below is an example of a test created. Which of the following can be used to make the keyword driven format more robust?

Step	Page	Control	Action	Test Data	Expected
1	Home	FirstName	set	Bill	
2	Home	LastName	set	Jones	
3	Home	Search		click	

- ☐ Make the action column a static list.
- ☐ Make the Page column a static list.
- ☐ make the Control column a static list.
- ☐ Make the Test Data column a static list.
- ☐ Reorder the test steps.

☐ ☐

QUESTION

29

Questions Remaining: 14

A user story includes that when a user has successfully logged in, then their favorite kind of cake is saved under the value "type" is saved to a cookie. Which of the following Selenium code snippets can be used to verify that chocolate cake has been saved?

- ☐ Cookie savedCookie = new Cookie (name, value);
driver.manage().addCookie(cookie);
assertTrue("chocolate", savedCookie);
- ☐ Cookie savedCookie = driver.manage().getCookieNamed(strCookie);
driver.manage().deleteCookie(cookie);
assertTrue("chocolate", savedCookie);
- ☐ Cookie savedCookie = driver.manage().getCookieNamed(strCookie);
assertTrue("chocolate", savedCookie);
- ☐ Set savedCookies = driver.manage().getCookies();
assertTrue("chocolate", savedCookie);
- ☐ Cookie savedCookies = driver.manage().getCookies();
assertTrue("chocolate", savedCookies.getCookieValue("type"));

☐

☐ ☐

QUESTION

30

Questions Remaining: 13

Which of the following Java APIs are required to generate PDF reports of Selenium test results?

- ☐ iReport
- ☐ iText
- ☐ iPdf
- ☐ iNote
- ☐ iConvert

○ ○

QUESTION

31

Questions Remaining: 12

Which of the following commands correctly substitute ***** in the Selenium code snippet below to use the extended BasePage to define the homeLink click action?

```
class BasePage {
    String baseUrl = "https://apptest.com";
    String pageTitle = "Testing..."

    public void clickElement(WebElement e) {
        e.click();
    }
    ...
}

public class HomePage extends BasePage{

    @FindBy(css=".logo>a>img") WebElement homeLink;
    @FindBy(css="search_box") WebElement searchBox;
    ...

    public void clickHomeLogo() {
        *****
    }
    ...
}
```

○ ○

- ☐ clickElement(homeLink);
- ☐ HomePage.clickElement(homeLink);
- ☐ clickElement(homeLink);
- ☐ BasePage(homeLink.click());
- ☐ driver.homeLink.click();

QUESTION

32

Questions Remaining: 11

To run a Selenium project as part of a Gradle build, which of the following correctly substitute ***** for the Selenium dependency that will need to be added to the build.gradle snippet below?

```
dependencies {
    // https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java
    *****
}
```

○ ○

- ☐ compile artifact: 'org.seleniumhq.selenium.3.9.0', name: 'selenium-java', version: '3.9.0'
- ☐ test compile: 'org.seleniumhq.selenium', name: 'selenium-java', version: '3.9.0'
- ☐ group name: 'org.seleniumhq.selenium', name: 'selenium-java'
- ☐ compile group: 'org.seleniumhq.selenium', name: 'selenium-java', version: '3.9.0'
- ☐ Artifact: 'org.seleniumhq.selenium-java', version: '3.9.0'

QUESTION

33

Questions Remaining: 10

Which of the following correctly describe the purpose of logging in Selenium test automation?

- ☐ Scripts a test scenario.
- ☐ Scripts debugging and troubleshooting.
- ☐ Changes the status of the test automation execution.
- ☐ Provides a record of events that occurred during the test execution.
- ☐ Emails pass/fail test results.

○ ○

34

Questions Remaining: 9

Considering both the HTML code and the graphic below, which of the following Selenium code snippets will enter "TestUser1" into the text box (bordered in red) under the **USERNAME** label?

```
<div class="login-row-wrap login-username">
  <label for="login-username">USERNAME</label>
  <input autocomplete="off" id="login-username" class="loginInputs" name="txtUserName"
  type="text" value="" size="35">
</div>
```



○ ○

- ☐ driver.findElement(By.id("login-username")).sendKeys("TestUser1");
- ☐ driver.findElement(By.name("txtUserName")).sendKeys("TestUser1");
- ☒ driver.findElement(By.xpath("//label[@for='login-username']")).sendKeys("TestUser1");
- ☐ driver.findElement(By.id("login-username")).setText("TestUser1");
- ☐ driver.findElement(By.name("login-username")).setText("TestUser1");

QUESTION

35

Questions Remaining: 8

Which of the follow correctly describe the behavior of the Selenium command below?

```
java -jar <path>selenium-server-standalone-<version>.jar -role node -hub
http[ip_address]:4444/grid/register
```

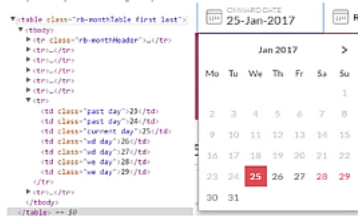
- ☐ Registers a Selenium Grid node.
- ☐ Identifies a test suite on a Selenium Grid node.
- ☐ Activates a Selenium Grid server.
- ☐ Starts a Selenium Grid hub.
- ☐ Registers a Selenium Server hub.

○ ○

36

Questions Remaining: 7

Which of the following lines of code can be used in a Selenium script to select the current date from the data picker shown below?



- ```

☐ driver.findElement(By.id (//table[@class='rb-monthTable first last']/td[@class='current day'])).click();

☐ driver.findElement(By.id (//table[@class='rb-monthTable first last']/td[@class='current day'])).click();

☐ driver.findElement(By.xpath (//table[@class='rb-monthHeader']/td[@class='current day'])).click();

☐ driver.findElement(By.id (//table[@class='rb-monthHeader ']/td[@class='current day'])).click();

☐ driver.findElement(By.xpath (//table[@class='rb-monthTable first last']/td[@class='current day'])).click();

```

QUESTION

37

Questions Remaining: 6

An exception is thrown when on the command `driver.get("www.aub.com")`. This can be resolved by performing which of the following in Selenium?

- ☐ Remove "www" from the URL.
- ☒ Add the HTTPS protocol to the URL.
- ☐ Run a JavaScript to verify a 200 status code is returned.
- ☐ Add the HTTP protocol to the URL.
- ☐ Use the `driver.navigate().to()` command.

QUESTION

38

Questions Remaining: 5

A Selenium test intermittently fails with a `NOSUCHELEMENTEXCEPTION` error, even though the element is displayed. Which of the following are ways to mitigate this?

- ☐ Decrease the implicit wait time.
- ☐ Encapsulate the element call in a fluent wait.
- ☐ Add an `IsEnabled` call to the element.
- ☐ Use the `try/catch` method.
- ☐ Change the visibility of the element.

## QUESTION

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Questions Remaining: 4

As part of a Selenium test, a page object called "Total" must be validated against its corresponding database record. Considering the sample table below (named **Customer**), which of the following SQL queries correctly substitute \*\*\*\*\* in the code snippet below to retrieve only the Total for the most recent purchase?

Customer

| CustID | Name       | OrderID | Date       | Total      |
|--------|------------|---------|------------|------------|
| 241    | J Martin   | AF55148 | 3/27/2018  | \$157.50   |
| 379    | R Smith    | ED16792 | 7/12/1902  | \$62.94    |
| 957    | I Jones    | GD51478 | 4/26/1900  | \$1,297.55 |
| 224    | W Williams | HG15471 | 10/10/2018 | \$426.75   |

```
public class CreateDB() throws InstantiationException, IllegalAccessException,
 ClassNotFoundException, SQLException{
```

```
...
```

```
Statement stmt = conn.createStatement();
ResultSet rs = stmt.executeQuery(*****);
```

```
...
```

```
}
```

- ☐ SELECT top 1 total FROM customer ORDER BY date desc
- ☐ SELECT \* FROM customer ORDER BY total desc limit 1
- ☐ SELECT total FROM customer ORDER BY date desc
- ☐ SELECT top 1 \* FROM customer ORDER BY total
- ☐ SELECT total FROM customer ORDER BY date desc limit 1

## QUESTION

40

Questions Remaining: 3

Which of the following TestNG annotations correctly substitute \*\*\*\*\* to disable the Selenium test shown below?

```
public class OpenPage {
```

```
 public String PAGE_URL = "http://www.AUT.com";
 public String PAGE_TITLE = "Welcome!";
 WebDriver driver;
```

```

```

```
public void loadPage() {
```

```
 driver = new ChromeDriver();
 driver.get(PAGE_URL);
 String actualTitle = driver.getTitle();
 Assert.assertEquals(actualTitle, PAGE_TITLE);
```

```
}
```

```
}
```

- ☐ @Test(priority=0)
- ☐ @Ignore
- ☐ @Test(enable=false)
- ☐ @Test(skip=true)
- ☐ @Test(ignore=true)

## QUESTION

41

Questions Remaining: 2

As part of a CI process, the suite of regression tests was executed the previous night. Five of the tests failed and were reported to the Development team for fixes. Which of the following methods will re-run only the failed tests to verify the fixes?

- ☐ Running the `test-output/testing-failed.xml` from the command line.
- ☐ Selecting each of the failed tests from the report and manually re-running each one.
- ☐ Running the `testing-failed.xml` from within Eclipse.
- ☐ Re-running the entire test suite, watching for the target test to fail.
- ☐ Running the `failed-tests.xml` from within Eclipse.

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## QUESTION

42

Questions Remaining: 1

Which of the following correctly describe when a user will incorporate Selenoid into a testing framework?

- ☐ Resolving network lag issues
- ☐ Enabling a Kubernetes session
- ☐ Enabling short-lived browser sessions in Docker containers
- ☐ Testing in a cloud infrastructure, such as AWS or Azure
- ☐ Testing APIs

☐ ☐

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