Lab 10

Name: G_13

Section: B

Roll No. SE-22069, 22078, 22081, 22083, 22084

Course : Software Quality Engineering

2. Define global variables for base URL, login credentials,use it in a testcase and execute.

QA Profile:

Name	Value
username	'John Doe'
password	'ThisIsNotAPassword'
baseURL	'http://demoaut.katalon.com/'

3. Run the same test case(under different profiles and compare responses.

Under QA Profile:

login_combination_suite

Execution Environment

Host name	razak - host.docker.internal
Local OS	Windows 11 64bit
Katalon version	10.1.1.0
Browser	Chrome 130.0.6723.117
Device name	

Summary

ID	Test Suites/login_combination_suite
Description	

Total	1		
Passed	1	Failed	0
Error	0	Incomplete	0
Skipped	0		
Start	30-04-2025 21:45:18	End	30-04-2025 21:45:43
Elapsed	24.645s		

#	ID	Description	Status
1	Test Cases/lab_10_exercises		PASSED

Under default Profile:

login_combination_suite

Execution Environment

Host name	razak - host.docker.internal
Local OS	Windows 11 64bit
Katalon version	10.1.1.0
Browser	Chrome 130.0.6723.117
Device name	

Summary

ID	Test Suites/login_combination_suite
Description	

Total	1		
Passed	0	Failed	1
Error	0	Incomplete	0
Skipped	0		
Start	30-04-2025 21:46:47	End	30-04-2025 21:47:09
Elapsed	22.190s		

#	ID	Description	Status
1	Test Cases/lab_10_exercises		FAILED

4. Create local variables for appointment time slots during test case execution.

Local variable:
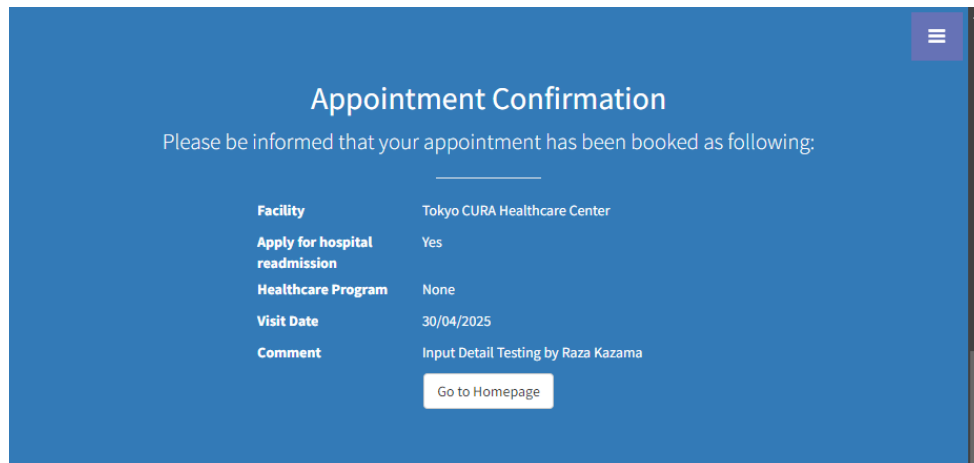
No.	Name	Type	Default value
1	appointmentDate	String	"30/04/2025"

Testcase manual GUI:

Item	Object	Input	Output
—✕ 1 - Open Browser		""	
—✕ 2 - Navigate To Url		"http://demoaut.katalon.com/"	
—✕ 3 - Get Text	a_Make Appointment		var1
—✕ 4 - Click	a_Make Appointment		
—✕ 5 - Set Text	input_Username_username	GlobalVariable.username	
—✕ 6 - Set Text	input_Password_password	GlobalVariable.password	
—✕ 7 - Click	button_Login		
—✕ 8 - Wait For Element Present	select_Tokyo CURA Healthcare Cente	0	
—✕ 9 - Double Click	select_Tokyo CURA Healthcare Cente		
0101 10 - Binary Statement		is_readmission = true	
〉 IF 11 - If Statement		is_readmission == true	
〉 ELSE 12 - Else Statement			
—✕ 13 - Click	input_None_programs		
—✕ 14 - Set Text	input_Visit Date (Required)_visit_date	appointmentDate	
—✕ 15 - Set Text	textarea_Comment_comment	"Input Detail Testing by Raza Kazama	
—✕ 16 - Click	button_Book Appointment		
—✕ 17 - Take Screenshot		"D:/Downloads/book_appointment_	
—✕ 18 - Close Browser			

Output:

5. Simulate failed login attempts with incorrect credentials — catch authentication exceptions.

Testcase script:

```groovy
import static com.kms.katalon.core.testobject.ObjectRepository.findTestObject
import com.kms.katalon.core.exception.StepFailedException
import com.kms.katalon.core.model.FailureHandling
import com.kms.katalon.core.webui.keyword.WebUiBuiltInKeywords as WebUI
import internal.GlobalVariable as G

WebUI.openBrowser('')
WebUI.navigateToUrl(G.baseURL)
WebUI.click(findTestObject('Page_CURA Healthcare Service/a_Make Appointment'))

wrongCredentials = [
  [user: 'Raza', pass: 'Kazama'],
  [user: 'Azar', pass: 'Amazak']]

wrongCredentials.each { creds ->
  try {
    WebUI.setText(findTestObject('Page_CURA Healthcare Service/input_Username_username'),
creds.user)
    WebUI.setText(findTestObject('Page_CURA Healthcare Service/input_Password_password'),
creds.pass)
    WebUI.click(findTestObject('Page_CURA Healthcare Service/button_Login'))

    WebUI.waitForElementVisible(
      findTestObject('Page_CURA Healthcare Service/p_Login failed Please ensure the
username and password are valid'), 5)
    WebUI.verifyElementVisible(
      findTestObject('Page_CURA Healthcare Service/p_Login failed Please ensure the
username and password are valid'),
      FailureHandling.STOP_ON_FAILURE
    )
    println "Invalid login caught for ${creds.user}/${creds.pass}"
      WebUI.takeScreenshot('D:/Downloads/login_failed.png')
  }
  catch (StepFailedException e) {
    println "Exception during login attempt: ${e.message}"
  } }
WebUI.closeBrowser()
```

Output (console):

```
Apr 30, 2025 10:17:59 PM com.kms.katalon.core.logging.KeywordLogger startTest
INFO: -------------------
Apr 30, 2025 10:17:59 PM com.kms.katalon.core.logging.KeywordLogger startTest
INFO: START Test Cases/lab_10_exercises
Apr 30, 2025 10:18:01 PM com.kms.katalon.core.logging.KeywordLogger logInfo
INFO: Starting 'Chrome' driver
Apr 30, 2025 10:18:01 PM com.kms.katalon.core.logging.KeywordLogger logInfo
INFO: Action delay is set to 0 milliseconds
Apr 30, 2025 10:18:04 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find CDP implementation matching 130
Apr 30, 2025 10:18:04 PM org.openqa.selenium.chromium.ChromiumDriver lambda$new$5
WARNING: Unable to find version of CDP to use for 130.0.6723.117. You may need to include a
dependency on a specific version of the CDP using something similar to
`org.seleniumhq.selenium:selenium-devtools-v86:4.22.0` where the version ("v86") matches
the version of the chromium-based browser you're using and the version number of the
artifact is the same as Selenium's.
Preloading smart locator
Preloading smart wait
Apr 30, 2025 10:18:05 PM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: sessionId = 7e3d7f525dcf0478c2f327c2ce034cc8
Apr 30, 2025 10:18:05 PM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: browser = Chrome 130.0.6723.117
Apr 30, 2025 10:18:05 PM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: platform = Windows 11
Apr 30, 2025 10:18:05 PM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: seleniumVersion = 4.22.0
Apr 30, 2025 10:18:05 PM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: proxyInformation = ProxyInformation { proxyOption=NO_PROXY, proxyServerType=HTTP,
username=, password=********, proxyServerAddress=, proxyServerPort=0, executionList="",
isApplyToDesiredCapabilities=true }
Invalid login caught for Raza/Kazama
Invalid login caught for Azar/Amazak
Apr 30, 2025 10:18:20 PM com.kms.katalon.core.logging.KeywordLogger endTest
INFO: END Test Cases/lab_10_exercises
```

Screenshot:

6. Attempt booking with invalid data (e.g., empty fields, past date) — validate input exceptions.

Testcase Script:

```groovy
import static com.kms.katalon.core.testobject.ObjectRepository.findTestObject
import com.kms.katalon.core.exception.StepFailedException
import com.kms.katalon.core.model.FailureHandling
import com.kms.katalon.core.webui.keyword.WebUiBuiltInKeywords as WebUI
import internal.GlobalVariable as G

WebUI.openBrowser('')
WebUI.navigateToUrl(G.baseURL)
WebUI.click(findTestObject('Page_CURA Healthcare Service/a_Make Appointment'))
WebUI.setText(findTestObject('Page_CURA Healthcare Service/input_Username_username'),
G.username)
WebUI.setText(findTestObject('Page_CURA Healthcare Service/input_Password_password'),
G.password)
WebUI.click(findTestObject('Page_CURA Healthcare Service/button_Login'))

WebUI.waitForElementPresent(
    findTestObject('Page_CURA Healthcare Service/select_Tokyo CURA Healthcare Center
Hongkong CURA Healthcare Center                        Seoul CURA Healthcare Center'),
5)

def assertNoNav = {
    String before = WebUI.getUrl()
    WebUI.click(findTestObject('Page_CURA Healthcare Service/button_Book Appointment'),
FailureHandling.OPTIONAL)
    WebUI.waitForJQueryLoad(10)
    String after = WebUI.getUrl()
    WebUI.verifyEqual(after, before, FailureHandling.STOP_ON_FAILURE) }

def assertNav = {
    String before = WebUI.getUrl()
    WebUI.click(findTestObject('Page_CURA Healthcare Service/button_Book Appointment'),
FailureHandling.OPTIONAL)
    WebUI.waitForJQueryLoad(10)
    String after = WebUI.getUrl()
    WebUI.verifyNotEqual(after, before, FailureHandling.STOP_ON_FAILURE) }

try {
    assertNoNav()
    println "🔘 Empty-date prevented navigation (as expected)"
} catch (StepFailedException e) {
    println "❌ Empty-date check failed: ${e.message}" }

WebUI.selectOptionByIndex(
    findTestObject('Page_CURA Healthcare Service/select_Tokyo CURA Healthcare Center
Hongkong CURA Healthcare Center                        Seoul CURA Healthcare Center'),
0)
WebUI.click(findTestObject('Page_CURA Healthcare Service/input_Apply for hospital
readmission_hospital_readmission'))
WebUI.click(findTestObject('Page_CURA Healthcare Service/input_None_programs'))
WebUI.setText(findTestObject('Page_CURA Healthcare Service/input_Visit Date
(Required)_visit_date'), '2000-01-01')
try {
    assertNav()
    println "🔘 Past-date submission navigated away (indicates booking was attempted)"
} catch (StepFailedException e) {
    println "❌ Past-date navigation check failed (did not navigate): ${e.message}" }

WebUI.closeBrowser()
```

Output – Console (Worked correctly):

```
Preloading smart locator
Preloading smart wait
May 01, 2025 12:48:31 AM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: sessionId = b83dcc3a54635e437dc97eb05435180e
May 01, 2025 12:48:31 AM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: browser = Chrome 130.0.6723.117
May 01, 2025 12:48:31 AM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: platform = Windows 11
May 01, 2025 12:48:31 AM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: seleniumVersion = 4.22.0
May 01, 2025 12:48:31 AM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: proxyInformation = ProxyInformation { proxyOption=NO_PROXY,
proxyServerType=HTTP, username=, password=********, proxyServerAddress=,
proxyServerPort=0, executionList="", isApplyToDesiredCapabilities=true }
◉ Empty-date prevented navigation (as expected)
◎ Past-date submission navigated away (indicates booking was attempted)
May 01, 2025 12:48:49 AM com.kms.katalon.core.logging.KeywordLogger endTest
INFO: END Test Cases/lab_10_exercises
```

7. Disconnect network mid-session — test timeout and connection exceptions.

Testcase script:

```groovy
import static com.kms.katalon.core.testobject.ObjectRepository.findTestObject
import com.kms.katalon.core.model.FailureHandling
import com.kms.katalon.core.webui.keyword.WebUiBuiltInKeywords as WebUI
import internal.GlobalVariable as G

WebUI.openBrowser('')
WebUI.navigateToUrl(G.baseURL)
WebUI.click(findTestObject('Page_CURA Healthcare Service/a_Make Appointment'))
WebUI.setText(findTestObject('Page_CURA Healthcare Service/input_Username_username'),
G.username)
WebUI.setText(findTestObject('Page_CURA Healthcare Service/input_Password_password'),
G.password)
WebUI.click(findTestObject('Page_CURA Healthcare Service/button_Login'))

println '🔌 Disabling Wi-Fi…'
"cmd /c netsh interface set interface \"Wi-Fi\" disable".execute().waitFor()

try {
    println '◉ Network error UI displayed as expected'
} catch (Exception e) {
    println "✖ Expected network error, but got: ${e.message}"
}

println '⚡ Re-enabling Wi-Fi…'
"cmd /c netsh interface set interface \"Wi-Fi\" enable".execute().waitFor()

WebUI.delay(3)  // give the adapter a moment to reconnect
println '✅ Network restored, action succeeded'

WebUI.closeBrowser()
```

Output – Console (working correctly):

```
Preloading smart locator
Preloading smart wait
May 01, 2025 1:12:07 AM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: sessionId = 7fa408a78190a3a39f622bb4a658c04c
May 01, 2025 1:12:07 AM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: browser = Chrome 130.0.6723.117
May 01, 2025 1:12:07 AM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: platform = Windows 11
May 01, 2025 1:12:07 AM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: seleniumVersion = 4.22.0
May 01, 2025 1:12:07 AM com.kms.katalon.core.logging.KeywordLogger logRunData
INFO: proxyInformation = ProxyInformation { proxyOption=NO_PROXY,
proxyServerType=HTTP, username=, password=********, proxyServerAddress=,
proxyServerPort=0, executionList="", isApplyToDesiredCapabilities=true }
🔧 Disabling Wi-Fi…
⬡ Network error UI displayed as expected
⚡ Re-enabling Wi-Fi…
☑ Network restored, action succeeded
May 01, 2025 1:12:22 AM com.kms.katalon.core.logging.KeywordLogger endTest
INFO: END Test Cases/lab_10_exercises
```