Lab 11

Name: G_13

Section: B

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

Course: Software Quality Engineering

1.Attach an excel sheet "Testdata"(having Username and password) , Create and execute testcases for cure health ;generate and attach Testreport/*Attach screenshot/printout here*/ Testdata must have two invalid and one valid password, Use any loop through scripting language. & 2. use excelsheet(1 a) and write "valid" [if the username & password is correct] or" invalid" [if the username & password is incorrect] from katalon.

Testcase Script:

```
import static com.kms.katalon.core.testobject.ObjectRepository.findTestObject
import com.kms.katalon.core.webui.keyword.WebUiBuiltInKeywords as WebUI
import com.kms.katalon.core.model.FailureHandling
import org.apache.poi.ss.usermodel.*
import org.apache.poi.xssf.usermodel.XSSFWorkbook
import java.io.File
import java.io.FileInputStream
import java.io.FileOutputStream

String excelPath = "D:/Downloads/login_test_data.xlsx"

FileInputStream fis = new FileInputStream(new File(excelPath))
Workbook workbook = new XSSFWorkbook(fis)
Sheet sheet = workbook.getSheetAt(0)

for (int i = 1; i <= sheet.getLastRowNum(); i++) {
    Row row = sheet.getRow(i)
    if (row == null) continue

    String username = row.getCell(0)?.getStringCellValue()
    String password = row.getCell(1)?.getStringCellValue()
    if (username == null || password == null) continue

    println("Testing credentials: $username / $password")
    String comment = ""

    try {
        WebUI.openBrowser('')
        WebUI.navigateToUrl('http://demoaut.katalon.com/')
        WebUI.click(findTestObject('Page_CURA Healthcare Service/a_Make Appointment'))
        WebUI.setText(findTestObject('Page_CURA Healthcare
Service/input_Username_username'), username)
        WebUI.setText(findTestObject('Page_CURA Healthcare
Service/input_Password_password'), password)
        WebUI.click(findTestObject('Page_CURA Healthcare Service/button_Login'))
        WebUI.delay(2)

        boolean loginFailed = WebUI.verifyElementPresent(findTestObject('Page_CURA
Healthcare Service/p_Login failed Please ensure the username and password are valid'),
5,FailureHandling.OPTIONAL)
        comment = loginFailed ? "Invalid Credentials" : "Valid Credentials"
```

```
    } catch (Exception e) {
        println("Error during login test for row ${i + 1}: " + e.message)
        comment = "Error: " + e.message
    } finally {
        WebUI.closeBrowser()
        Cell commentCell = row.getCell(2)
        if (commentCell == null) {
            commentCell = row.createCell(2)
        } commentCell.setCellValue(comment)
    } }

fis.close()
FileOutputStream fos = new FileOutputStream(new File(excelPath))
workbook.write(fos)
fos.close()
workbook.close()
println("Login tests complete and results saved to Excel.")
```

Testcase.xlsx (before):

username	password	Comment
John Doe	ThisIsNotAPassword	
asdfghjkl	ThisIsNotAPassword	
John Doe	asdfghjkl	
asdfghjkl	asdfghjkl	

Testcase.xlsx (after):

username	password	Comment
John Doe	ThisIsNotAPassword	Valid Credentials
asdfghjkl	ThisIsNotAPassword	Invalid Credentials
John Doe	asdfghjkl	Invalid Credentials
asdfghjkl	asdfghjkl	Invalid Credentials

Test report summary:

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/read_from_excel_file
Description	

Total	1		
Passed	1	Failed	0
Error	0	Incomplete	0
Skipped	0		
Start	01-05-2025 17:09:26	End	01-05-2025 17:10:39
Elapsed	1m - 12.953s		

#	ID	Description	Status
1	Test Cases/read_from_excel_file		PASSED

3.Create internal file having data values for user names and password ; Execute TCs to read test data values from internal file.

Testcase Manual GUI:

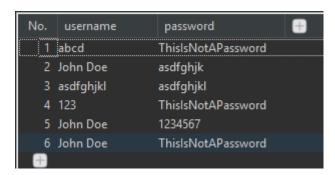| Item	Object	Input	Output
1 - Open Browser		""	
2 - Navigate To Url		"http://demoaut.katalon.com/"	
3 - Get Text	a_Make Appointment		var1
4 - Click	a_Make Appointment		
5 - Set Text	input_Username_username	username	
6 - Set Text	input_Password_password	password	
7 - If Statement		username == "John Doe" && password == "ThisIsNotAPassword"	
8 - Else Statement			
9 - Click	button_Login		
10 - Close Browser			

Testcase script:

```
import static com.kms.katalon.core.checkpoint.CheckpointFactory.findCheckpoint
import static com.kms.katalon.core.testcase.TestCaseFactory.findTestCase
import static com.kms.katalon.core.testdata.TestDataFactory.findTestData
import static com.kms.katalon.core.testobject.ObjectRepository.findTestObject
import static com.kms.katalon.core.testobject.ObjectRepository.findWindowsObject
import com.kms.katalon.core.checkpoint.Checkpoint as Checkpoint
import com.kms.katalon.core.cucumber.keyword.CucumberBuiltinKeywords as CucumberKW
import com.kms.katalon.core.mobile.keyword.MobileBuiltInKeywords as Mobile
import com.kms.katalon.core.model.FailureHandling as FailureHandling
import com.kms.katalon.core.testcase.TestCase as TestCase
import com.kms.katalon.core.testdata.TestData as TestData
import com.kms.katalon.core.testng.keyword.TestNGBuiltinKeywords as TestNGKW
import com.kms.katalon.core.testobject.TestObject as TestObject
import com.kms.katalon.core.webservice.keyword.WSBuiltInKeywords as WS
import com.kms.katalon.core.webui.keyword.WebUiBuiltInKeywords as WebUI
import com.kms.katalon.core.windows.keyword.WindowsBuiltinKeywords as Windows
import internal.GlobalVariable as GlobalVariable
import org.openqa.selenium.Keys as Keys
```

```
WebUI.openBrowser('')
WebUI.navigateToUrl('http://demoaut.katalon.com/')

var1 = WebUI.getText(findTestObject('Page_CURA Healthcare Service/a_Make
Appointment'))

WebUI.click(findTestObject('Page_CURA Healthcare Service/a_Make Appointment'))
WebUI.setText(findTestObject('Page_CURA Healthcare
Service/input_Username_username'), username)

WebUI.setText(findTestObject('Page_CURA Healthcare
Service/input_Password_password', [('variable') : 'ThisIsNotAPassword']),
password)

if (username == "John Doe" && password == "ThisIsNotAPassword") {
     println("Valid Credentials")
} else {
     println("Invalid Credentials") }
WebUI.click(findTestObject('Page_CURA Healthcare Service/button_Login'))
WebUI.closeBrowser()
```

InternalFile:

No.	username	password
1	abcd	ThisIsNotAPassword
2	John Doe	asdfghjk
3	asdfghjkl	asdfghjkl
4	123	ThisIsNotAPassword
5	John Doe	1234567
6	John Doe	ThisIsNotAPassword

Test report summary:

read_from_internal_file

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/read_from_internal_file
Description	

Total	6		
Passed	6	Failed	0
Error	0	Incomplete	0
Skipped	0		
Start	01-05-2025 17:19:12	End	01-05-2025 17:20:33
Elapsed	1m - 20.974s		

#	ID	Description	Status
1	Test Cases/read_from_internal_file		PASSED
2	Test Cases/read_from_internal_file		PASSED
3	Test Cases/read_from_internal_file		PASSED
4	Test Cases/read_from_internal_file		PASSED
5	Test Cases/read_from_internal_file		PASSED
6	Test Cases/read_from_internal_file		PASSED