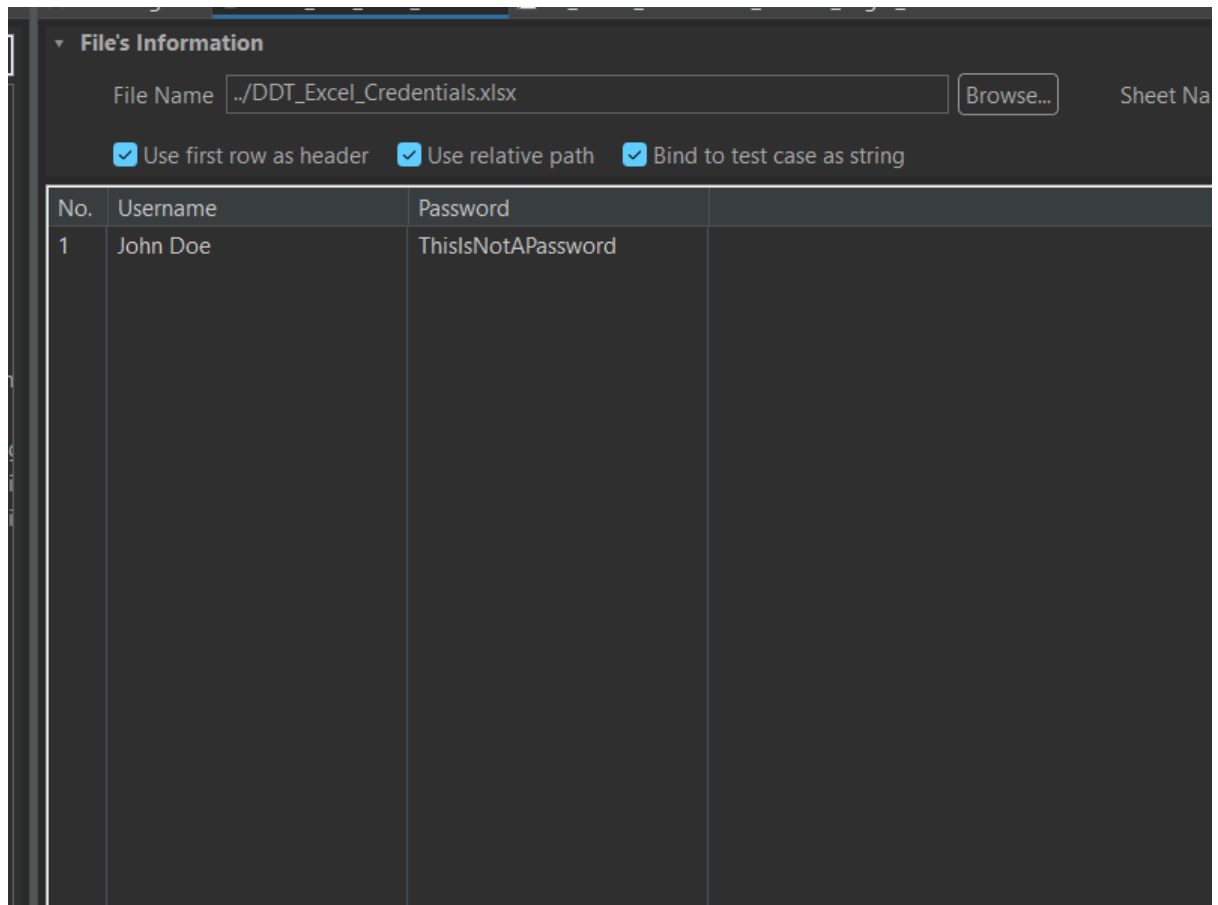


Data Driven Testing for CURA Healthcare Service

- I have performed data-driven testing in two scenarios. One involves using an excel file and the other involves using Internal Data.

1. Using Excel file:



The screenshot shows a configuration window for a test case. At the top, under 'File's Information', the 'File Name' is set to './DDT_Excel_Credentials.xlsx' with a 'Browse...' button. Below this, three checkboxes are checked: 'Use first row as header', 'Use relative path', and 'Bind to test case as string'. The main area of the window contains a table with the following data:

No.	Username	Password	
1	John Doe	ThisIsNotAPassword	

- In the excel file scenario I used data from the above excel file as input credentials in my login test case.

<div> <div>+ Add</div> <div>Recent keywords</div> <div>Delete</div> <div>Move up</div> <div>Move down</div> <div>Edit tags</div> <div>Set default</div> </div>			
Item	Object	Input	Output
1 - Open Browser		""	
2 - Navigate To Url		"https://katalon-demo-cura.hi	
3 - Maximize Window			
4 - Click	a_Make Appointment		
5 - Set Text	input_username	CURA_Test_Data_Excel(1, 1)	
6 - Set Text	input_password	CURA_Test_Data_Excel(2, 1)	
7 - Click	button_Login		
8 - Verify Element Prese h2_Make Appointment		0	
9 - Close Browser			

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('https://katalon-demo-cura.herokuapp.com/')
```

```
WebUI.maximizeWindow()
```

```
WebUI.click(findTestObject('Object
Repository/CURA_Healthcare_Login_OR/Page_CURA Healthcare
Service/a_Make Appointment'))
```

```
WebUI.setText(findTestObject('Object
Repository/CURA_Healthcare_Login_OR/Page_CURA Healthcare
Service/input_username'),
    findTestData('DDT_CURA_Excel/CURA_Test_Data_Excel').getValue(1, 1))
```

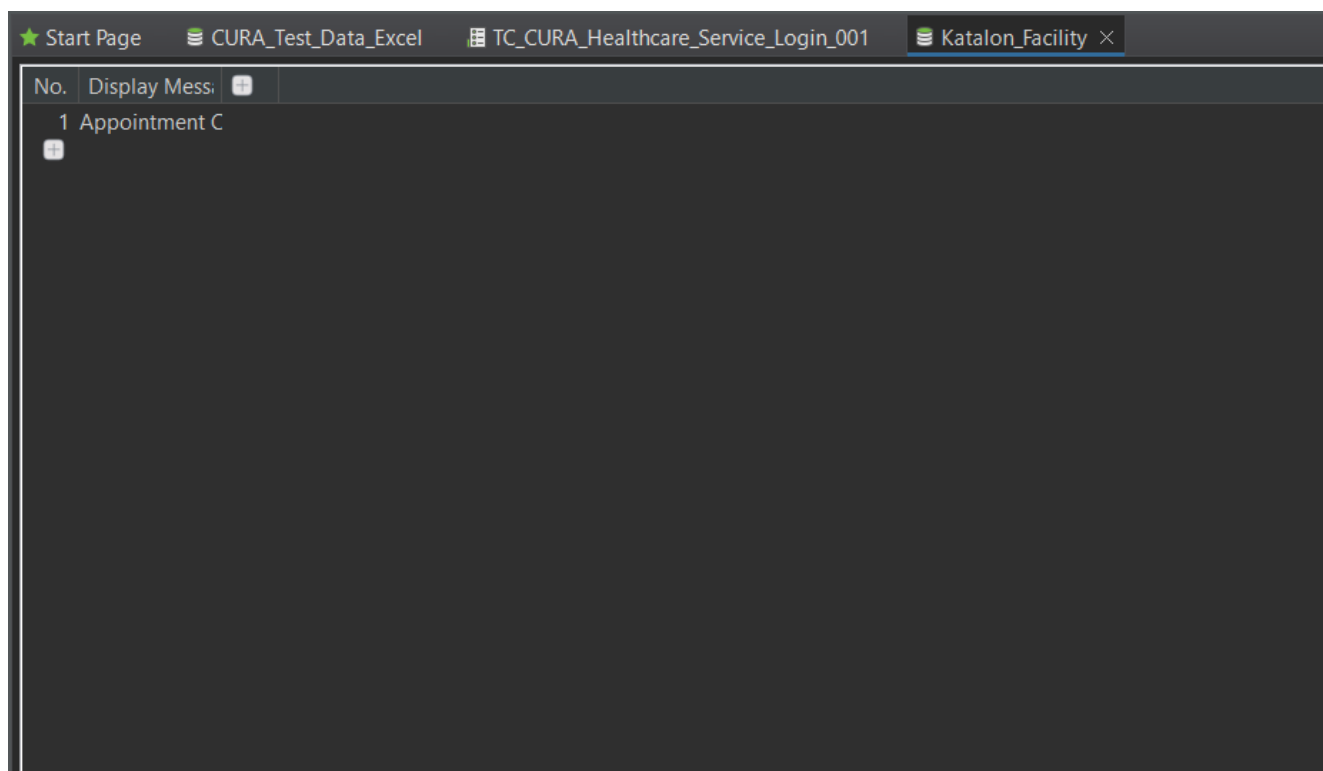
```
WebUI.setText(findTestObject('Object  
Repository/CURA_Healthcare_Login_OR/Page_CURA Healthcare  
Service/input_password'),  
  
    findTestData('DDT_CURA_Excel/CURA_Test_Data_Excel').getValue(2, 1))
```

```
WebUI.click(findTestObject('Object  
Repository/CURA_Healthcare_Login_OR/Page_CURA Healthcare  
Service/button_Login'))
```

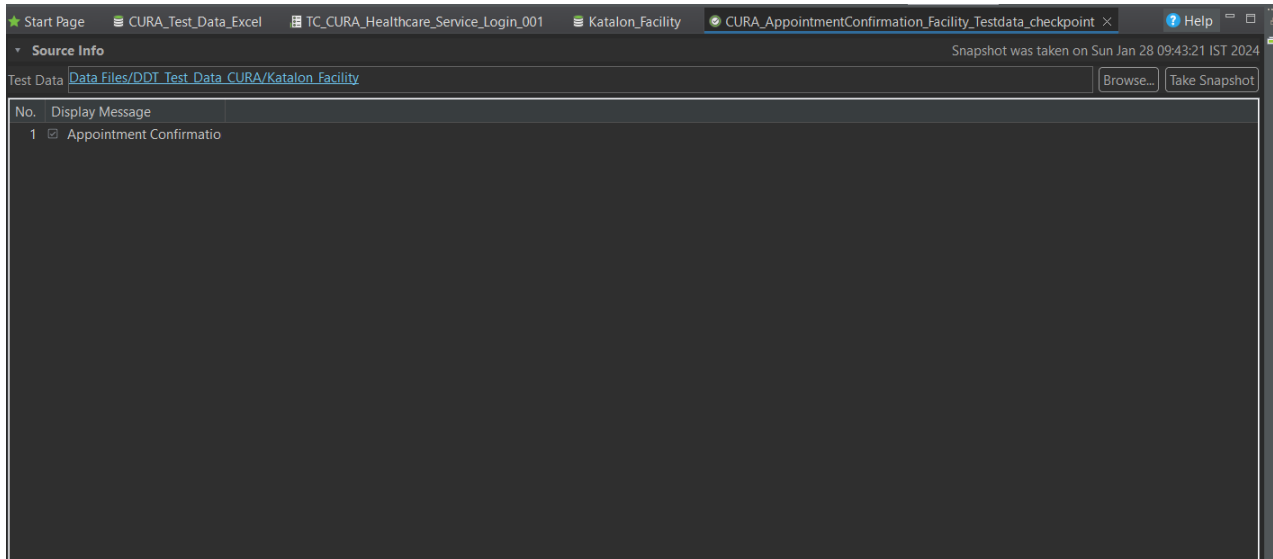
```
WebUI.verifyElementPresent(findTestObject('CURA_Healthcare_Login_OR/P  
age_CURA Healthcare Service/h2_Make Appointment'),  
  
    0)
```

```
WebUI.closeBrowser()
```

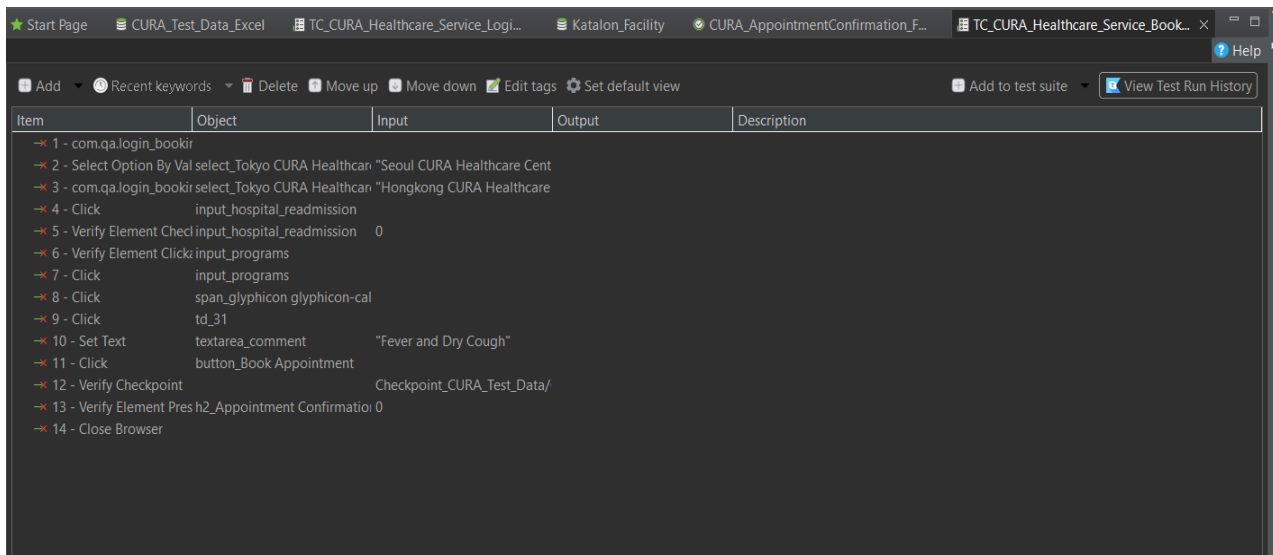
2. Using Internal Data:



- In the internal data file, I create a column for Display message and stored the input “Appointment Confirmation” in it.
- I used it as a checkpoint to verify the presence of the message after the booking procedure is completed to confirm successful appointment booking.



- I used the data from the internal data file as input for checkpoint verification purpose.



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
```

```
CustomKeywords.'com.qa.login_booking.customFunctions.login'()
```

```
WebUI.selectOptionByValue(findTestObject('Object
Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA
Healthcare Service/select_Tokyo CURA Healthcare Center _5b4107'),
'Seoul CURA Healthcare Center', true)
```

```
CustomKeywords.'com.qa.login_booking.customFunctions.verifyDropDownOptionExists'(findTestObject('CURA_Healthcare_Book Appointment_OR/Page_CURA Healthcare Service/select_Tokyo CURA Healthcare Center _5b4107'),  
    'Hongkong CURA Healthcare Center')
```

```
WebUI.click(findTestObject('Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA Healthcare Service/input_hospital_readmission'))
```

```
WebUI.verifyElementChecked(findTestObject('Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA Healthcare Service/input_hospital_readmission'),  
    0)
```

```
WebUI.verifyElementClickable(findTestObject('Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA Healthcare Service/input_programs'))
```

```
WebUI.click(findTestObject('Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA Healthcare Service/input_programs'))
```

```
WebUI.click(findTestObject('Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA Healthcare Service/span_glyphicon glyphicon-calendar'))
```

```
WebUI.click(findTestObject('Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA Healthcare Service/td_31'))
```

```
WebUI.setText(findTestObject('Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA Healthcare Service/textarea_comment'),  
    'Fever and Dry Cough')
```

```
WebUI.click(findTestObject('Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA Healthcare Service/button_Book Appointment'))
```

```
WebUI.verifyCheckpoint(findCheckpoint('Checkpoints/Checkpoint_CURA_Test_Data/CURA_AppointmentConfirmation_Facility_Testdata_checkpoint'),  
    false)
```

```
WebUI.verifyElementPresent(findTestObject('Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation'),  
    0)
```

```
WebUI.closeBrowser()
```

Checkpoint output:

The screenshot displays a test runner interface with a list of test steps and their execution results. The steps are as follows:

- Test Cases/CURA_Healthcare_Service/TC_CURA_Healthcare_Service_Book_Appointment_002 (21.1s)
- sampleBeforeTestCase (0.610s)
- 1 - com.qa.login_booking.customFunctions.login() (13.902s)
- 2 - selectOptionByValue(findTestObject("Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation"), "CURA_Healthcare Service/h2_Appointment Confirmation") (0.066s)
- 3 - com.qa.login_booking.customFunctions.verifyDropDownOptionExists(findTestObject("CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation"), "CURA_Healthcare Service/h2_Appointment Confirmation") (0.066s)
- 4 - click(findTestObject("Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation")) (0.066s)
- 5 - verifyElementChecked(findTestObject("Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation"), "CURA_Healthcare Service/h2_Appointment Confirmation") (0.066s)
- 6 - verifyElementClickable(findTestObject("Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation"), "CURA_Healthcare Service/h2_Appointment Confirmation") (0.066s)
- 7 - click(findTestObject("Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation")) (0.066s)
- 8 - click(findTestObject("Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation")) (0.066s)
- 9 - click(findTestObject("Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation")) (0.066s)
- 10 - setText(findTestObject("Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation"), "CURA_Healthcare Service/h2_Appointment Confirmation") (0.066s)
- 11 - click(findTestObject("Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation")) (0.066s)
- 12 - verifyCheckpoint(findCheckpoint("Checkpoints/Checkpoint_CURA_Test_Data/CURA_AppointmentConfirmation_Facility_Testdata_checkpoint"), false) (0.066s)
- 13 - verifyElementPresent(findTestObject("Object Repository/CURA_Healthcare_Book Appointment_OR/Page_CURA_Healthcare Service/h2_Appointment Confirmation"), 0) (0.066s)
- 14 - closeBrowser() (0.474s)
- sampleAfterTestCase (0.057s)

The verifyCheckpoint step shows a message: "Checkpoint data and Source data are matched".