

# REQUIREMENT 4 – AUTOMATION TESTING

27/08/2024

## 1. Information:

- **Group 13:** 21127659 – Bùi Ngọc Kiều Nhi
- Playlist: [\[Software Testing - 21KTPM2 - Nhóm 13\] Project Seminar](#)

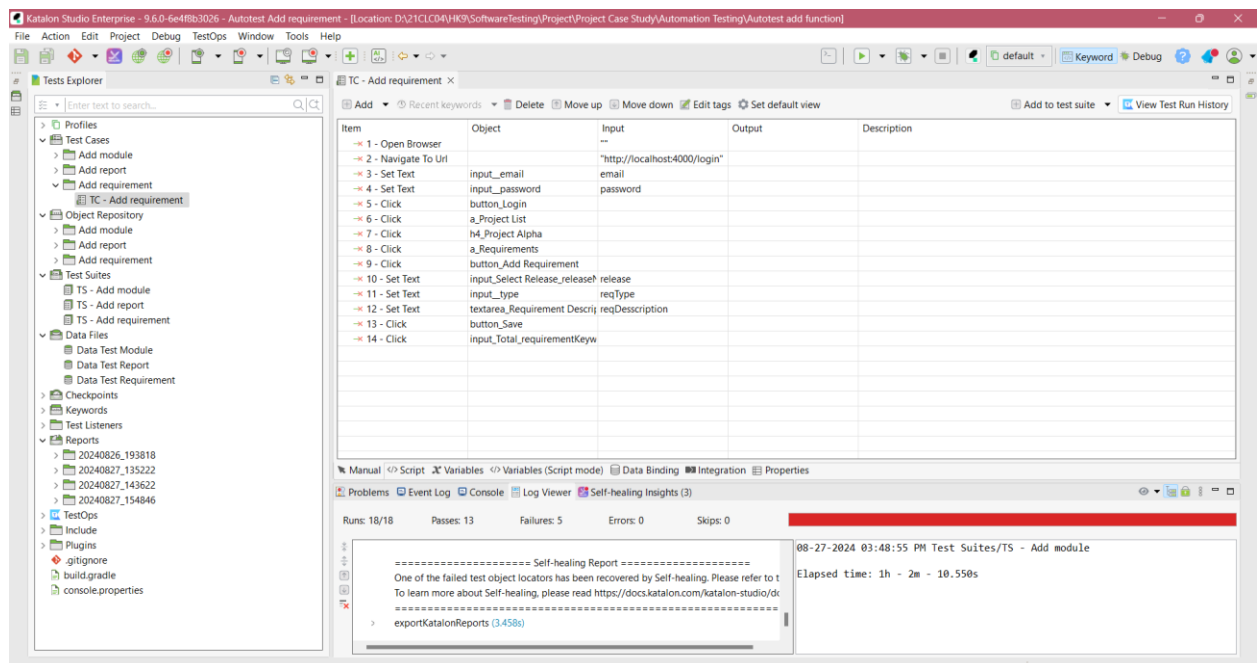
## 2. Information about tool used:

- Tool: Katalon Studio.
- Method used: Data-driven with Test Suite.

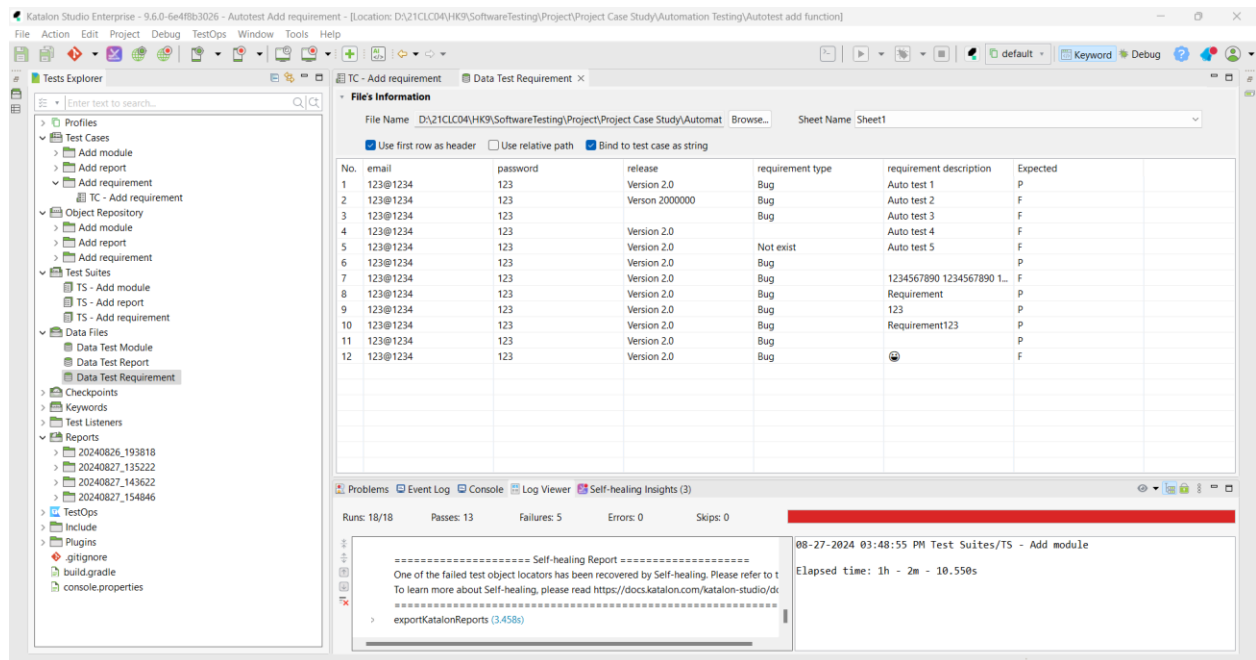
## 3. Process:

### 3.1. Automation Testing for Add new requirement:

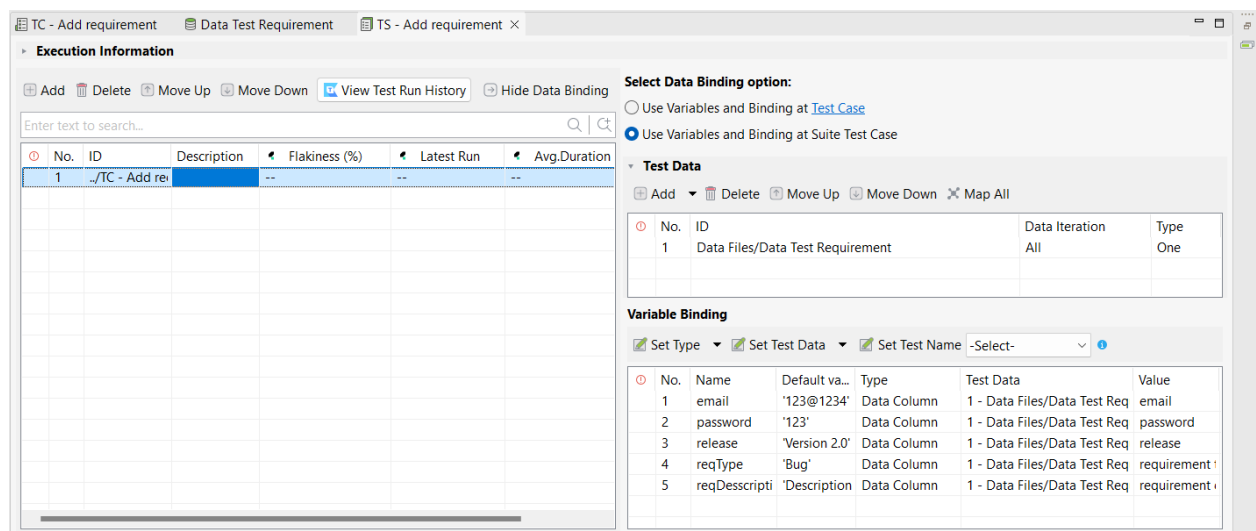
- Use Katalon web recording to capture the actions and make some adjustments manually which Katalon was not able to capture. Save the script.



- Change the String value to Variable to use data-driven method to perform automation test.
- Import Data to Katalon.

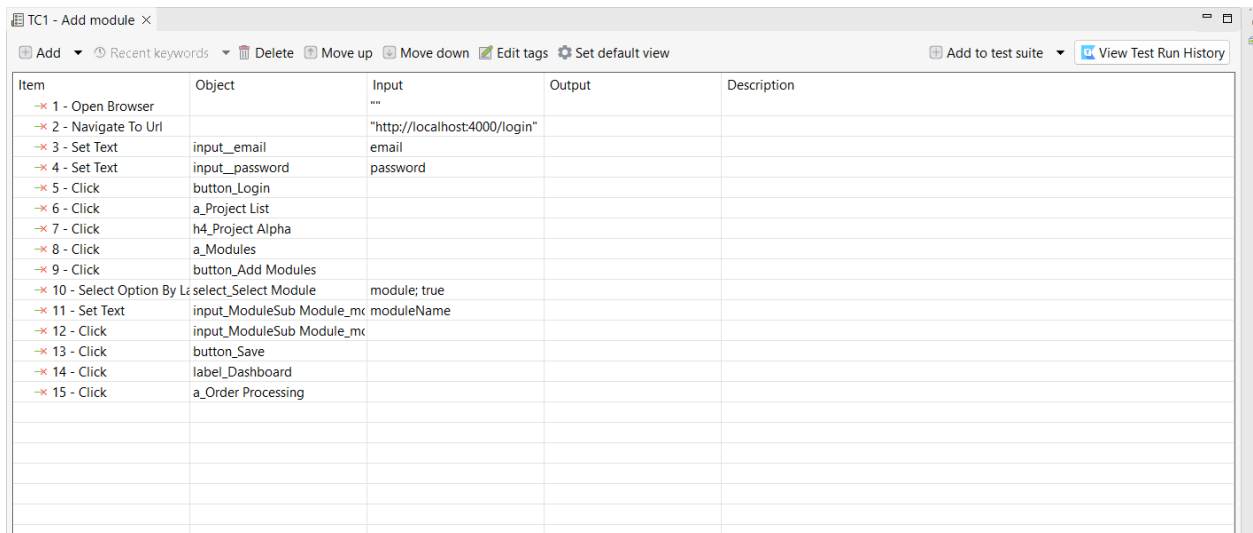


- Create a Test Suite, adjust the variables then run.



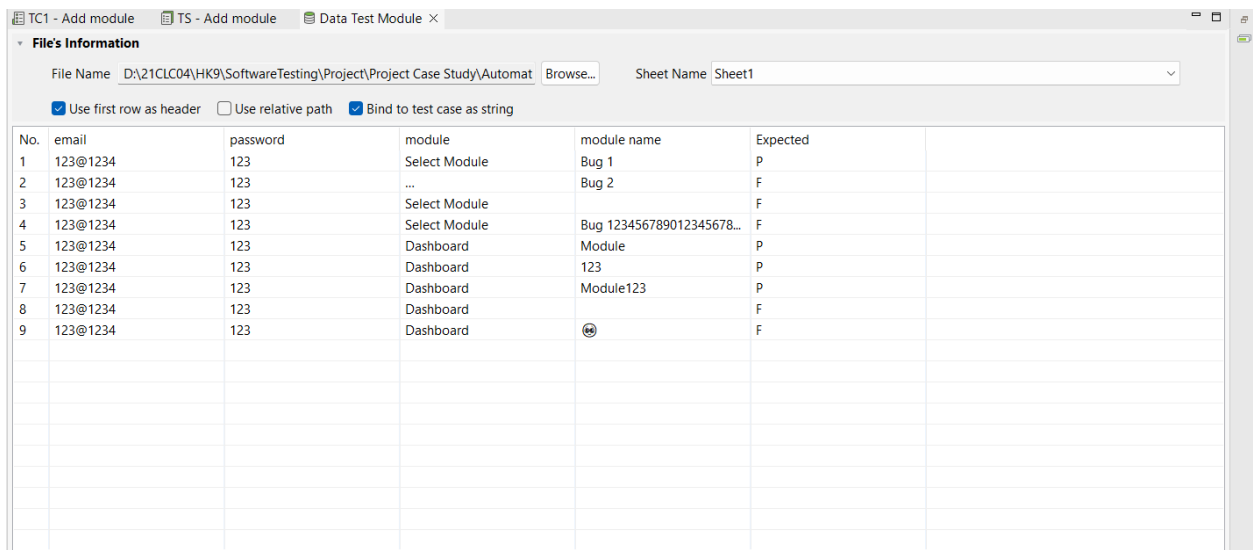
### 3.2. Automation Testing for Add new module:

- Use Katalon web recording feature to capture the actions and make some adjustments manually which Katalon was not able to capture. Save the script.



Item	Object	Input	Output	Description
✖ 1 - Open Browser		""		
✖ 2 - Navigate To Url		"http://localhost:4000/login"		
✖ 3 - Set Text	input_email	email		
✖ 4 - Set Text	input_password	password		
✖ 5 - Click	button_Login			
✖ 6 - Click	a_Project List			
✖ 7 - Click	h4_Project Alpha			
✖ 8 - Click	a_Modules			
✖ 9 - Click	button_Add Modules			
✖ 10 - Select Option By Label	select_Select Module	module; true		
✖ 11 - Set Text	input_ModuleSub Module_name	moduleName		
✖ 12 - Click	input_ModuleSub Module_name			
✖ 13 - Click	button_Save			
✖ 14 - Click	label_Dashboard			
✖ 15 - Click	a_Order Processing			

- Change the String value to Variable to use data-driven method to perform automation test.
- Import Data to Katalon.



No.	email	password	module	module name	Expected
1	123@1234	123	Select Module	Bug 1	P
2	123@1234	123	...	Bug 2	F
3	123@1234	123	Select Module		F
4	123@1234	123	Select Module	Bug 123456789012345678...	F
5	123@1234	123	Dashboard	Module	P
6	123@1234	123	Dashboard	123	P
7	123@1234	123	Dashboard	Module123	P
8	123@1234	123	Dashboard		F
9	123@1234	123	Dashboard	🚫	F

- Create a Test Suite, adjust the variables then run.

The screenshot shows the Katalon Studio interface with two tabs: 'TC1 - Add module' and 'TS - Add module'. The 'Execution Information' section on the left displays a table with test run details:

No.	ID	Description	Flakiness (%)	Latest Run	Avg. Duration
1	./TC1 - Add n		33.33		2m 20s
2	./TC2 - Add n		40.00		2m 29s

The 'Test Data' section on the right shows a table with test data:

No.	ID	Data Iteration	Type
1	Data Files/Data Test Module	All	One

The 'Variable Binding' section shows a table with variable bindings:

No.	Name	Default va...	Type	Test Data	Value
1	email	'123@1234'	Data Column	1 - Data Files/Data Test Moc	email
2	password	'123'	Data Column	1 - Data Files/Data Test Moc	password
3	module	'Select Mod	Data Column	1 - Data Files/Data Test Moc	module
4	moduleName	'Automation	Data Column	1 - Data Files/Data Test Moc	module name

### 3.3. Automation Testing for Add new report:

- Use Katalon web recording to capture the actions and make some adjustments manually which Katalon was not able to capture. Save the script.
- Change the String value to Variable to use data-driven method to perform automation test.

The screenshot shows the Katalon Studio interface with a tab 'TC - Add report'. The test steps are listed in a table:

Item	Object	Input	Output	Description
1 - Open Browser		""		
2 - Navigate To Url		"http://localhost:4000/login"		
3 - Set Text	input_email	email		
4 - Set Text	input_password	password		
5 - Click	button_Login			
6 - Click	a_Project List			
7 - Click	h4_Project Alpha			
8 - Click	a_Reports			
9 - Click	button_Add Report			
10 - Select Option By Label	select_Activity Summary	report; true		
11 - Set Text	input_title	title		
12 - Click	input_Accessing			
13 - Click	input_Accessing			
14 - Click	button_Save and add			
15 - Click	input_Add Report_reportKeyv			

- Import Data to Katalon.

[illegible]

- Create a Test Suite, adjust the variables then run.

[illegible]