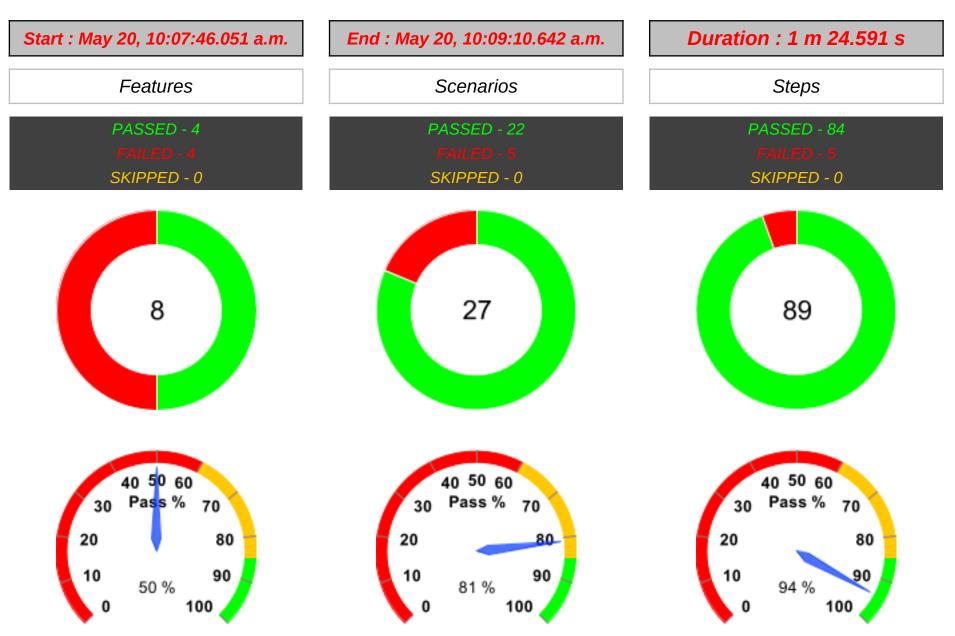
# **Cucumber Report**

May 20, 2023, 10:09:11 a.m.



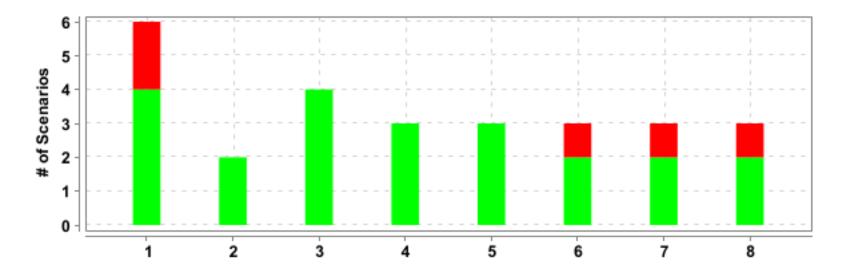
Feature			Scei	nario			St	ер	
Name	Duration	T	P	F	S	T	P	F	S
Register new Account	14.338 s	6	4	2	0	18	16	2	0
The module Data Structure	9.623 s	2	2	0	0	8	8	0	0
The module Arrays	18.816 s	4	4	0	0	14	14	0	0
LinkedList acessed by user	6.512 s	3	3	0	0	9	9	0	0
User is learning Stack Data Structure	6.486 s	3	3	0	0	9	9	0	0
Run the tryEditor in Overview of Trees Tree Module	10.958 s	3	2	1	0	10	9	1	0
User should be able to run Graph Module features	8.702 s	3	2	1	0	11	10	1	0
User should be able to run Queue Module features	9.069 s	3	2	1	0	10	9	1	0

FAIL & SKIP SCENARIOS -- 3 --

#	Feature Name	Scenario Name
1	Register new Account	Creating new user account
2		Validate the login page with invalid credentials
3	Run the tryEditor in Overview of Trees Tree Module	Testing the tryEditor Box with invalid syntax in Overview of Trees Option
4	User should be able to run Graph Module features	Test the Graph Module with invalid syntax in editor box
5	User should be able to run Queue Module features	Test the Queue Module with invalid syntax in editor box

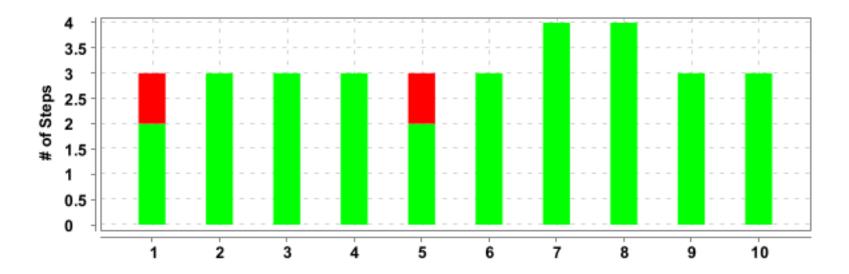
TAG		Scer	nario			Fea	ture	
Name	T	P	F	S	T	P	F	S
@tag	21	17	4	0	6	3	3	0
@third	1	0	1	0	1	0	1	0
@second	1	1	0	0	1	0	1	0
@tag1	7	7	0	0	7	4	3	0
@tag2	7	4	3	0	7	4	3	0
@tag3	4	4	0	0	4	2	2	0
@last	1	1	0	0	1	0	1	0

FEATURES SUMMARY -- 5 --



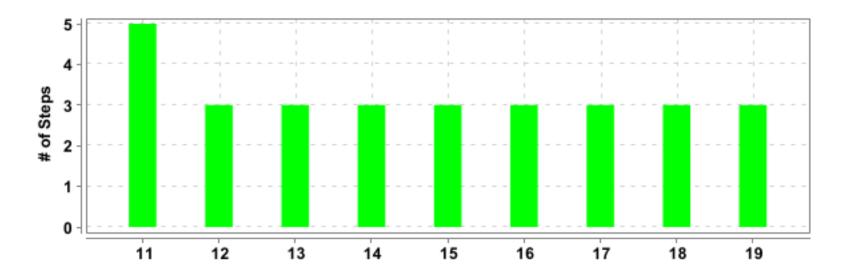
#	Feature Name	T	P	F	S	Duration
1	Register new Account	6	4	2	0	14.338 s
2	The module Data Structure	2	2	0	0	9.623 s
3	The module Arrays	4	4	0	0	18.816 s
4	LinkedList acessed by user	3	3	0	0	6.512 s
5	User is learning Stack Data Structure	3	3	0	0	6.486 s
6	Run the tryEditor in Overview of Trees Tree Module	3	2	1	0	10.958 s
7	User should be able to run Graph Module features	3	2	1	0	8.702 s
8	User should be able to run Queue Module features	3	2	1	0	9.069 s

SCENARIOS SUMMARY -- 6 --



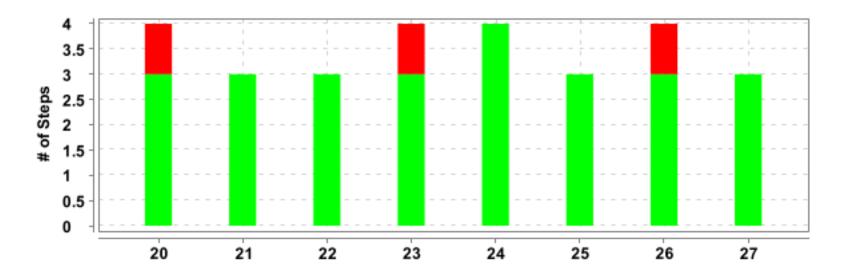
#	Feature Name	Scenario Name	T	P	F	S	Duration
1	Register new Account	Creating new user account	3	2	1	0	5.056 s
2		Validating Login process for User with incorrect credentials	3	3	0	0	1.346 s
3		User is trying register with correct credentials	3	3	0	0	0.273 s
4		Creating new user account	3	3	0	0	2.919 s
5		Validate the login page with invalid credentials	3	2	1	0	1.087 s
6		Validate the login page with valid credentials	3	3	0	0	3.523 s
7	The module Data Structure	Trying the correct script	4	4	0	0	6.217 s
8		Trying the incorrect script	4	4	0	0	3.394 s
9	The module Arrays	Trying the correct script	3	3	0	0	4.527 s
10		Trying the incorrect script	3	3	0	0	2.412 s

SCENARIOS SUMMARY -- 7 --



#	Feature Name	Scenario Name	T	P	F	S	Duration
11	The module Arrays	Testing the tryEditor Box with valid syntax in Find Even Numbers Question	5	5	0	0	7.557 s
12		Testing the tryEditor Box with valid syntax in Squares of a Sorted Array Question	3	3	0	0	4.277 s
13	LinkedList acessed by user	User is learning LinkedList by navigating through all below links	3	3	0	0	1.514 s
14		Invalid code in linked list.	3	3	0	0	2.490 s
15		Valid code in linked list.	3	3	0	0	2.472 s
16	User is learning Stack Data Structure	User wants to learn and explore Stack	3	3	0	0	0.498 s
17		User enters valid data	3	3	0	0	3.486 s
18		User enters invalid data	3	3	0	0	2.473 s
19	Run the tryEditor in Overview of Trees Tree Module	Choosing of Tree Module from the List page	3	3	0	0	1.849 s

SCENARIOS SUMMARY -- 8 --



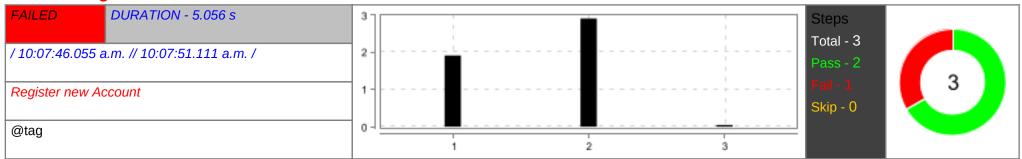
#	Feature Name	Scenario Name	T	P	F	S	Duration
20	Run the tryEditor in Overview of Trees Tree Module	Testing the tryEditor Box with invalid syntax in Overview of Trees Option	4	3	1	0	4.018 s
21		Testing the tryEditor Box with valid syntax in Overview of Trees Option	3	3	0	0	5.065 s
22	User should be able to run Graph Module features	Selecting the Graph Module from the dropdown list	3	3	0	0	0.259 s
23		Test the Graph Module with invalid syntax in editor box	4	3	1	0	4.400 s
24		Test the Graph Module with valid syntax in editor box	4	4	0	0	4.026 s
25	User should be able to run Queue  Module features	Selecting the Queue Module from the dropdown list	3	3	0	0	0.236 s
26		Test the Queue Module with invalid syntax in editor box	4	3	1	0	4.730 s
27		Test the Queue Module with valid syntax in editor box	3	3	0	0	4.078 s

DETAILED SECTION -- 9 --

# **Register new Account**

FAILED	DURATION - 14.338 s	Scenarios		Steps	
		Total - 6		Total - 18	
/ 10:07:46.051 a.m. /	/ 10:08:00.389 a.m. /	Pass - 4	6	Pass - 16	18
		Fail - 2		Fail - 2	10
		Skip - 0		Skip - 0	

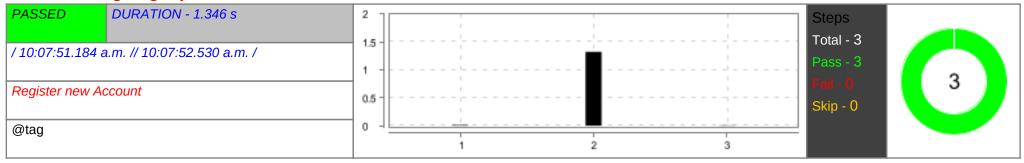
## **Creating new user account**



#	Step / Hook Details	Status	Duration
1	Given user is in the dsalgo url page	PASSED	1.915 s
2	When user enters invalid data from "Register" and 2 in excelpath	PASSED	2.908 s
3	Then user prints the error message	FAILED	0.042 s
	java.lang.AssertionError: expected [password_mismatch:The two password fields didn't match.] but found [U are logged in] at org.testng.Assert.fail(Assert.java:110) at org.testng.Assert.failNotEquals(Assert.java:1577) at org.testng.Assert.assertEqualsImpl(Assert.java:149) at org.testng.Assert.assertEquals(Assert.java:131) at org.testng.Assert.assertEquals(Assert.java:655) at org.testng.Assert.assertEquals(Assert.java:665) at Steps_DsAlgo.LoginSteps.user_prints_the_error_message(LoginSteps.java:55) at ?.user prints the error message(file:///C:/Users/shaun/eclipse-workspace/Ds_AlgoProject3/src/test/resources/FeaturesDsAlgo/ALogin. feature:7)  * Not displayable characters are replaced by '?'.		
	AFTER - ApplicationHooks.AppHooks.tearDown(io.cucumber.java.Scenario)	PASSED	0.179 s
	Creating_new_user_account		

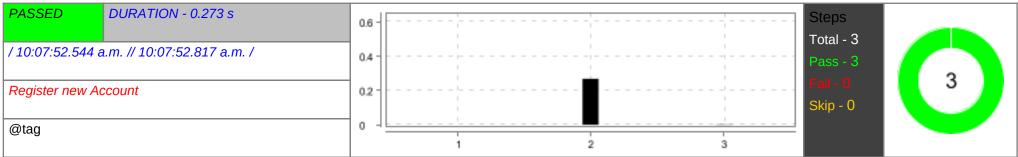
#	Step / Hook Details	Status	Duration
	Name of the control o		

### **Validating Login process for User with incorrect credentials**



#	Step / Hook Details	Status	Duration
1	Given User is on register page	PASSED	0.011 s
2	When User clicks on Login button with entering invalid Username "Test Data" and Password 0	PASSED	1.323 s
3	Then User should land on register page	PASSED	0.005 s

## User is trying register with correct credentials



#	Step / Hook Details	Status	Duration
1	Given User is on the register page second time	PASSED	0.000 s
2	When clicks on Login button with entering valid Username "Test Data" and Password 1	PASSED	0.269 s
3	Then User should land on home page	PASSED	0.002 s

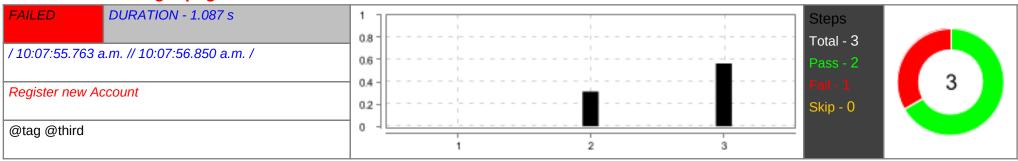
DETAILED SECTION -- 11 --

## **Creating new user account**

PASSED [	DURATION - 2.919 s	3 -				Steps			
/ 10:07:52 920 a r	m. // 10:07:55.748 a.m. /	٥.	 		 1	Total - 3			
7 10.07.32.629 a.i	III. // 10.07.33.746 a.III. /	•				Pass - 3		_	
Register new Acc	count	1.	 		 +	Fail - 0		3	
					<u> </u>	Skip - 0		_	
@tag		0 -	 		 		•		
			1	2	3				

#	Step / Hook Details	Status	Duration
1	Given user is in the dsalgo register page	PASSED	0.108 s
2	When user enters valid data from "Register" and 3 excelpath	PASSED	2.455 s
3	Then user lands on the login page	PASSED	0.353 s

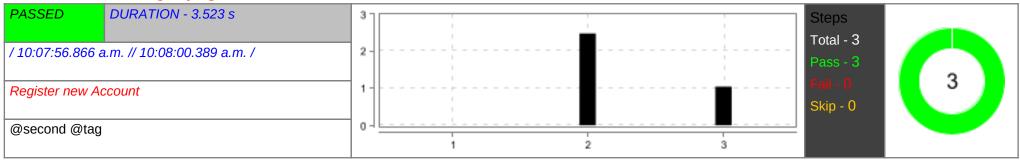
## Validate the login page with invalid credentials



#	Step / Hook Details	Status	Duration
1	Given user is in the login page	PASSED	0.000 s
2	When user enters invalid username from "LoginPage" and password from 3		0.312 s
3	Then user stays on the login page		0.565 s
	java.lang.AssertionError: expected [U are logged in] but found [Invalid Username and Password] at org.testng.Assert.fail(Assert.java:110) at org.testng.Assert.failNotEquals(Assert.java:1577) at org.testng.Assert.assertEqualsImpl(Assert.java:149) at org.testng.Assert.assertEquals(Assert.java:131) at org.testng.Assert.assertEquals(Assert.java:655) at org.testng.Assert.assertEquals(Assert.java:665)		

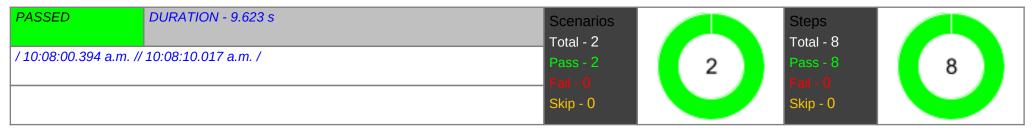
#	Step / Hook Details	Status	Duration
	at Steps_DsAlgo.LoginSteps.user_stays_on_the_login_page(LoginSteps.java:182) at ?.user stays on the login page(file:///C:/Users/shaun/eclipse-workspace/Ds_AlgoProject3/src/test/resources/FeaturesDsAlgo/ALogin. feature:47) * Not displayable characters are replaced by '?'.		
	AFTER - ApplicationHooks.AppHooks.tearDown(io.cucumber.java.Scenario)	PASSED	0.206 s
	Validate_the_login_page_with_invalid_credentials		
	Nargilips, derivatives (applications) (applications		

## Validate the login page with valid credentials



#	Step / Hook Details	Status	Duration
1	Given user is in the login page	PASSED	0.000 s
2	When user enters valid username from "LoginPage" and password from 2	PASSED	2.478 s
3	Then user lands on the home page	PASSED	1.042 s

## The module Data Structure



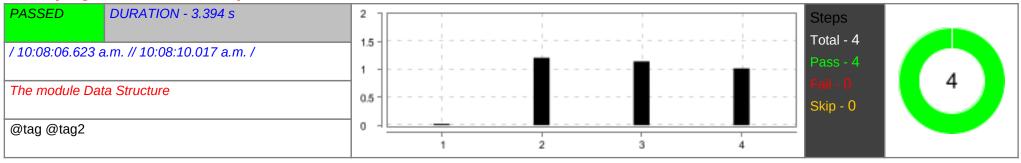
DETAILED SECTION -- 13 --

## **Trying the correct script**

PASSED DURATION - 6.217 s	3 Steps	
/ 10:08:00.394 a.m. // 10:08:06.611 a.m. /	Total - 4	
/ 10.08.00.394 a.m. // 10.08.00.011 a.m. /	Pass - 4	
The module Data Structure	1 Fail - 0	4
	Skip - 0	
@tag @tag1	1 2 3 4	

#	Step / Hook Details	Status	Duration
1	Given The user is on Home page	PASSED	1.027 s
2	When User Clicks on the DataStructure	PASSED	0.227 s
3	And User clicks on Time Complexity and try here	PASSED	2.752 s
4	Then User gives the correct code	PASSED	2.210 s

# **Trying the incorrect script**

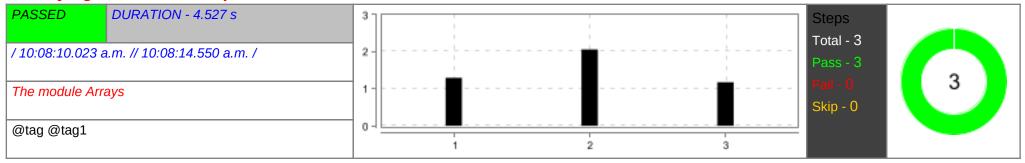


#	Step / Hook Details	Status	Duration
1	Given The user is on Home page link	PASSED	0.023 s
2	When User Clicks on the DataStructure link	PASSED	1.207 s
3	And User clicks on Time Complexity link and try here	PASSED	1.144 s
4	Then User gives the incorrect code	PASSED	1.018 s

# **The module Arrays**

PASSED	DURATION - 18.816 s	Scenarios		Steps	
		Total - 4		Total - 14	
/ 10:08:10.023 a.m. //	// 10:08:28.839 a.m. /	Pass - 4	4	Pass - 14	14
		Fail - 0	· /	Fail - 0	17
		Skip - 0		Skip - 0	

# **Trying the correct script**



#	Step / Hook Details	Status	Duration
1	Given The user is able to navigate to Array Data Structure Page.	PASSED	1.293 s
2	When The user clicks Arrays in Python button.	PASSED	2.057 s
3	Then The user tries the correct script	PASSED	1.174 s

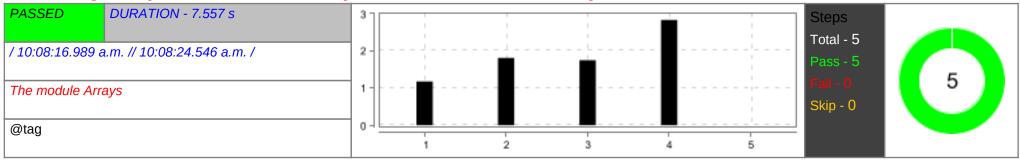
## **Trying the incorrect script**

PASSED DURATION - 2.412 s	2 Steps
/ 10:08:14.559 a.m. // 10:08:16.971 a.m. /	1.5 - Total - 3
	1 - Pass - 3
The module Arrays	0.5 - Skip - 0
@tag @tag2	0 - 1 2 3

#	Step / Hook Details	Status	Duration
1	Given The user is on the Array page link after logged in.	PASSED	0.001 s
2	When The user clicks Arrays in Python link button.	PASSED	1.393 s

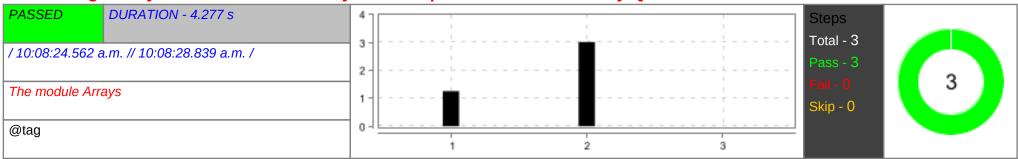
#	Step / Hook Details	Status	Duration
3	Then The user tries the incorrect script link.	PASSED	1.018 s

## **Testing the tryEditor Box with valid syntax in Find Even Numbers Question**



#	Step / Hook Details	Status	Duration
1	Given user lands on home page	PASSED	1.173 s
2	When user trys to enter the valid python code in Search tryEditor Box using "Python" and 9 from excel	PASSED	1.809 s
3	When user trys to enter the valid python code in Max tryEditor Box using "Python" and 10 from excel	PASSED	1.747 s
4	When user trys to enter the valid python code in the tryEditor Box using "Python" and 1 from excel	PASSED	2.827 s
5	Then user validates the input message printed in the console	PASSED	0.001 s

## Testing the tryEditor Box with valid syntax in Squares of a Sorted Array Question

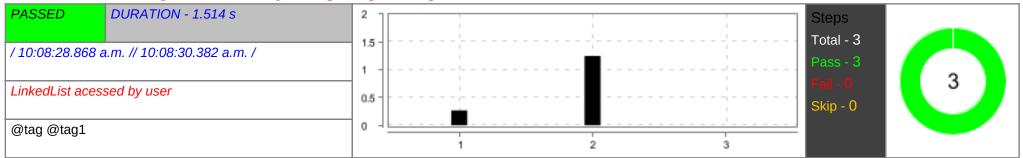


#	Step / Hook Details	Status	Duration
1	Given user redirected back to the Practice Questions page	PASSED	1.258 s
2	When user trys to enter the valid python code in the tryEditor Box using "Python" and 2 from excel sheet	PASSED	3.017 s
3	Then user validates the input message printed in console	PASSED	0.001 s

## LinkedList acessed by user

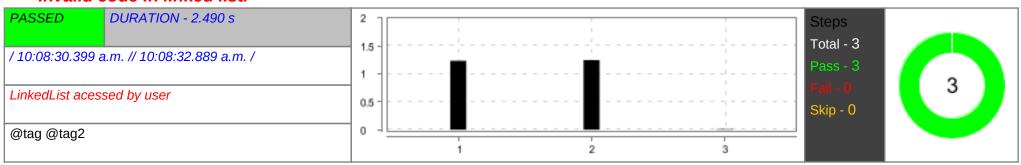
Scenarios		Steps	
Total - 3		Total - 9	
Pass - 3	3	Pass - 9	9
Fail - 0		Fail - 0	
Skip - 0		Skip - 0	
	Total - 3 Pass - 3 Fail - 0	Total - 3 Pass - 3 Fail - 0	Total - 3 Pass - 3 Fail - 0  Total - 9 Pass - 9 Fail - 0

## User is learning LinkedList by navigating through all below links



#	Step / Hook Details	Status	Duration
1	Given User selects Linked List Page after logging in	PASSED	0.267 s
2	When User clicks introduction button	PASSED	1.246 s
3	Then User is directed to the Intorduction Page of Linked List	PASSED	0.000 s

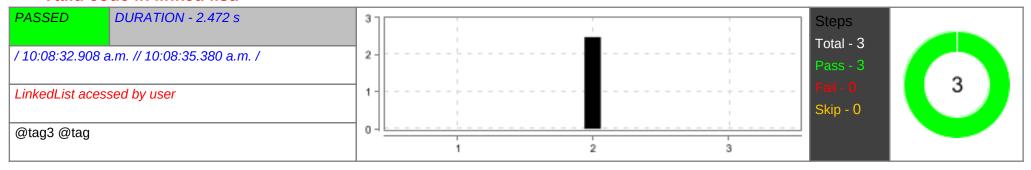
#### Invalid code in linked list.



DETAILED SECTION -- 17 --

#	Step / Hook Details	Status	Duration
1	Given User is on Introduction Page	PASSED	1.235 s
2	When User clicks Try Here and writes in-valid code in python	PASSED	1.247 s
3	Then User accept The pop - up block appears	PASSED	0.008 s

#### Valid code in linked list.



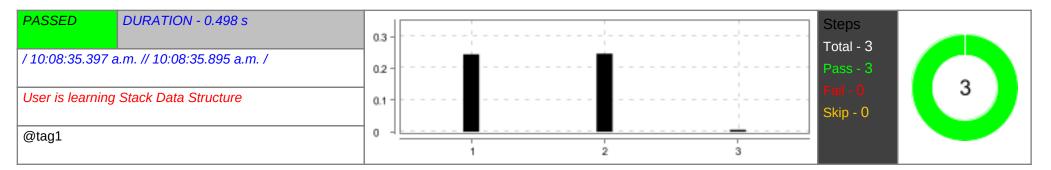
#	Step / Hook Details	Status	Duration
1	Given User Clears the code	PASSED	0.000 s
2	When User clicks on in Try Here and writes valid code in python	PASSED	2.471 s
3	Then User checks for console	PASSED	0.001 s

## **User is learning Stack Data Structure**

PASSED	DURATION - 6.486 s	Scenarios		Steps	
		Total - 3		Total - 9	
/ 10:08:35.396 a	n.m. // 10:08:41.882 a.m. /	Pass - 3	3	Pass - 9	9
		Fail - 0		Fail - 0	
		Skip - 0		Skip - 0	

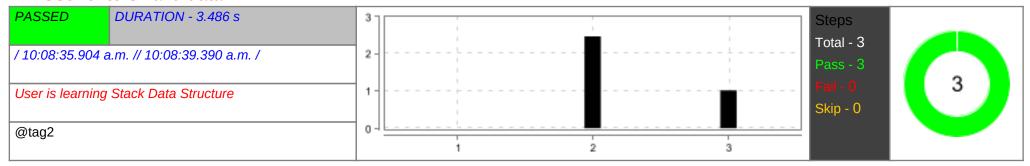
**User wants to learn and explore Stack** 

DETAILED SECTION -- 18 --



#	Step / Hook Details	Status	Duration
1	Given User is logged in and selects Stack from Data Structures	PASSED	0.244 s
2	When User clicks on Operations in Stack	PASSED	0.246 s
3	Then User is on Operations in Stack page	PASSED	0.006 s

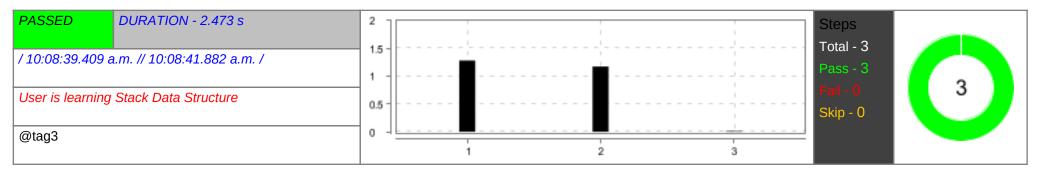
#### User enters valid data



#	Step / Hook Details	Status	Duration
1	Given User navigates back to Operations Page	PASSED	0.000 s
2	When User scrolls down on Try Here and writes valid code in python	PASSED	2.468 s
3	Then User checks for stack console	PASSED	1.018 s

### **User enters invalid data**

DETAILED SECTION -- 19 --

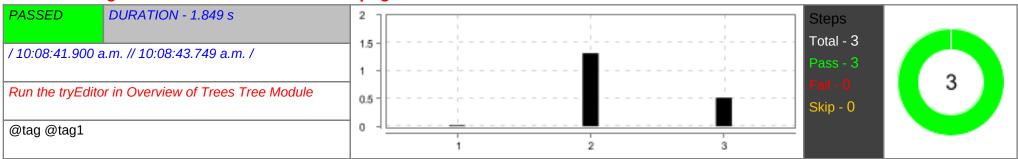


#	Step / Hook Details	Status	Duration
1	Given User is going back to Operations Page	PASSED	1.282 s
2	When User clicks on Try Here and writes in-valid code	PASSED	1.174 s
3	Then User accepts pop-up	PASSED	0.013 s

## **Run the tryEditor in Overview of Trees Tree Module**

Scenarios		Steps	
Total - 3		Total - 10	
Pass - 2	3	Pass - 9	10
Fail - 1		Fail - 1	
Skip - 0		Skip - 0	
	Total - 3 Pass - 2 Fail - 1	Total - 3 Pass - 2 Fail - 1	Total - 3 Pass - 2 Fail - 1  Total - 10 Pass - 9 Fail - 1

### **Choosing of Tree Module from the List page**

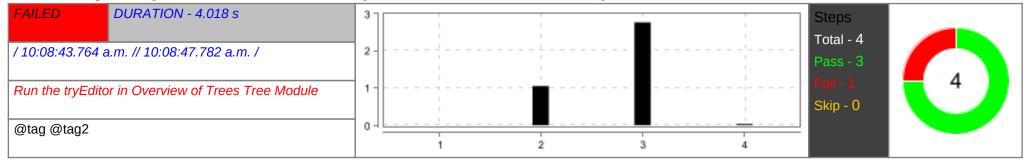


#	Step / Hook Details	Status	Duration
1	Given user navigates back to home page	PASSED	0.019 s
2	When user chooses the Tree Module from the lists in the home page	PASSED	1.313 s

DETAILED SECTION -- 20 --

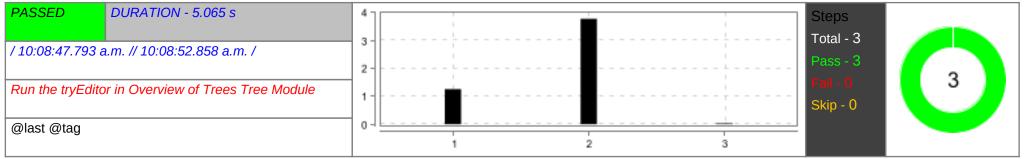
#	Step / Hook Details	Status	Duration
3	Then user lands on the Tree Module page	PASSED	0.513 s

# **Testing the tryEditor Box with invalid syntax in Overview of Trees Option**



#	Step / Hook Details	Status	Duration
1	Given user is in the Tree Modules page	PASSED	0.000 s
2	When user scrolls down and chooses Overview of Trees link	PASSED	1.051 s
3	And user trys to enter the invalid python code in the tryEditor Box from "Python" and 3	PASSED	2.763 s
4	Then user checks for the error message	FAILED	0.033 s
	java.lang.AssertionError: expected [] but found [Overview of Trees]     at org.testng.Assert.fail(Assert.java:110)     at org.testng.Assert.failNotEquals(Assert.java:1577)     at org.testng.Assert.assertEqualsImpl(Assert.java:149)     at org.testng.Assert.assertEquals(Assert.java:131)     at org.testng.Assert.assertEquals(Assert.java:655)     at org.testng.Assert.assertEquals(Assert.java:665)     at Steps_DsAlgo.TreeSteps.user_checks_for_the_error_message(TreeSteps.java:84)     at ?.user checks for the error message(file:///C:/Users/shaun/eclipse-workspace/Ds_AlgoProject3/src/test/resources/FeaturesDsAlgo/FTree. feature:13) * Not displayable characters are replaced by '?'.		
	AFTER - ApplicationHooks.AppHooks.tearDown(io.cucumber.java.Scenario)  Testing_the_tryEditor_Box_with_invalid_syntax_in_Overview_of_Trees_Option	PASSED	0.169 s

### **Testing the tryEditor Box with valid syntax in Overview of Trees Option**

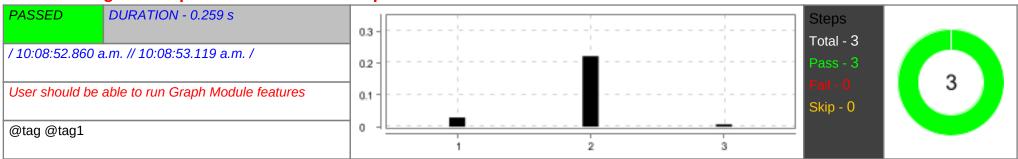


#	Step / Hook Details	Status	Duration
1	Given user redirected back to the Overview of Trees page	PASSED	1.258 s
2	When user trys to enter the valid python code in the tryEditor Box from "Python" and 4	PASSED	3.777 s
3	Then user validates the input message in the console	PASSED	0.030 s

## **User should be able to run Graph Module features**

FAILED DURATION - 8.702 s	Scenarios		Steps	
	Total - 3		Total - 11	
/ 10:08:52.860 a.m. // 10:09:01.562 a.m. /	Pass - 2	3	Pass - 10	11
	Fail - 1.		Fail - 1	
	Skip - 0		Skip - 0	

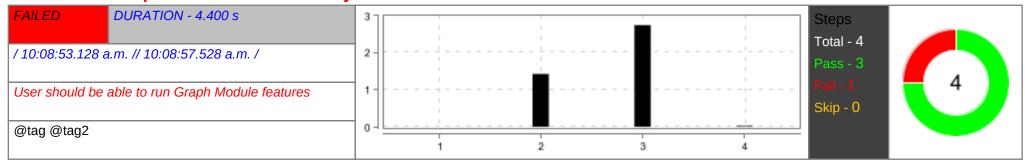
### **Selecting the Graph Module from the dropdown list**



DETAILED SECTION -- 22 --

#	Step / Hook Details	Status	Duration
1	Given user is on home page	PASSED	0.029 s
2	When user selecting the Graph Module from the dropdown list	PASSED	0.221 s
3	Then user will goto the Graph Module page	PASSED	0.007 s

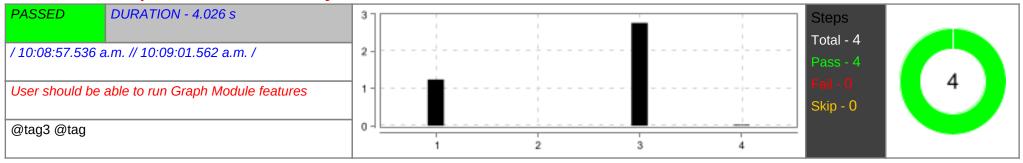
# **Test the Graph Module with invalid syntax in editor box**



#	Step / Hook Details	Status	Duration
1	Given user is on the Graph Module page	PASSED	0.001 s
2	When user can scroll down to select option from Graph list	PASSED	1.424 s
3	And user enters the invalid python code with "Python" and 5 in grapheditor box	PASSED	2.742 s
4	Then user should have error message	FAILED	0.024 s
	java.lang.AssertionError: expected [Welcome to Graph] but found [] at org.testng.Assert.fail(Assert.java:110) at org.testng.Assert.failNotEquals(Assert.java:1577) at org.testng.Assert.assertEqualsImpl(Assert.java:149) at org.testng.Assert.assertEquals(Assert.java:131) at org.testng.Assert.assertEquals(Assert.java:655) at org.testng.Assert.assertEquals(Assert.java:665) at Steps_DsAlgo.GraphSteps.user_should_have_error_message(GraphSteps.java:133) at ?.user should have error message(file:///C:/Users/shaun/eclipse-workspace/Ds_AlgoProject3/src/test/resources/FeaturesDsAlgo/Graph. feature:25) * Not displayable characters are replaced by '?'.		
	AFTER - ApplicationHooks.AppHooks.tearDown(io.cucumber.java.Scenario)	PASSED	0.206 s
	Test_the_Graph_Module_with_invalid_syntax_in_editor_box		

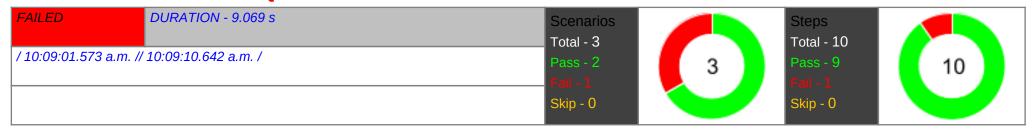
#	Step / Hook Details	Status	Duration
	National Region		

### **Test the Graph Module with valid syntax in editor box**



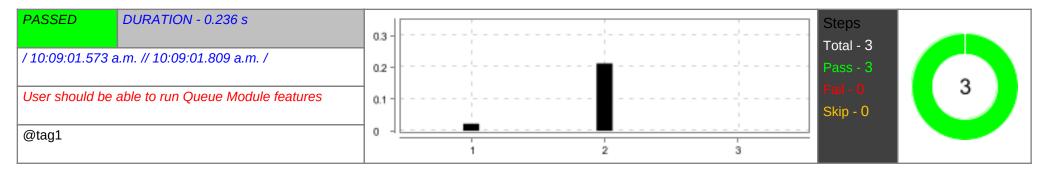
#	Step / Hook Details	Status	Duration
1	Given user go back to the Graph Module page	PASSED	1.242 s
2	When user scroll down to select option from Graph list	PASSED	0.000 s
3	And user enters the valid python code in "Python" and 6 grapheditor box	PASSED	2.763 s
4	Then user should get successful message	PASSED	0.020 s

# **User should be able to run Queue Module features**



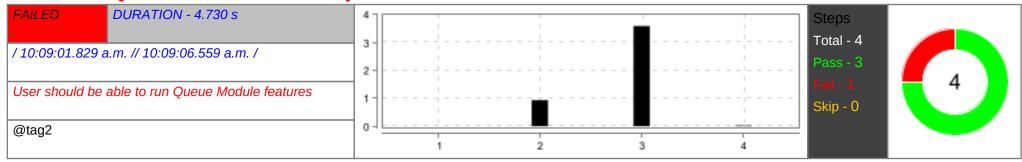
**Selecting the Queue Module from the dropdown list** 

DETAILED SECTION -- 24 --



#	Step / Hook Details	Status	Duration
1	Given user is on the home page	PASSED	0.022 s
2	When user select the Queue Module from the dropdown list	PASSED	0.212 s
3	Then user goto the Queue Module page	PASSED	0.000 s

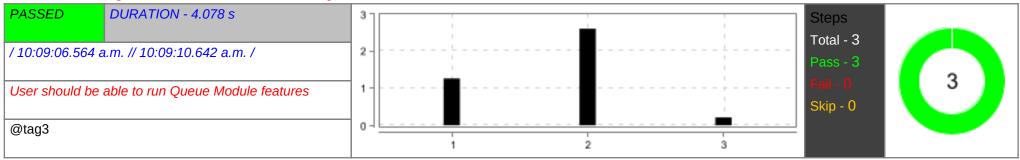
## **Test the Queue Module with invalid syntax in editor box**



#	Step / Hook Details	Status	Duration
1	Given user is in the Queue Module page	PASSED	0.001 s
2	When user scroll down to select option from Queue list	PASSED	0.935 s
3	And user enters the invalid python code in "Python" and 7 the editor box	PASSED	3.589 s
4	Then user should get a error message	FAILED	0.021 s
	java.lang.AssertionError: expected [Welcome to Queue] but found [] at org.testng.Assert.fail(Assert.java:110) at org.testng.Assert.failNotEquals(Assert.java:1577) at org.testng.Assert.assertEqualsImpl(Assert.java:149) at org.testng.Assert.assertEquals(Assert.java:131) at org.testng.Assert.assertEquals(Assert.java:655) at org.testng.Assert.assertEquals(Assert.java:665)		

#	Step / Hook Details	Status	Duration
	at Steps_DsAlgo.QueueSteps.user_should_get_a_error_message(QueueSteps.java:134) at ?.user should get a error message(file:///C:/Users/shaun/eclipse-workspace/Ds_AlgoProject3/src/test/resources/FeaturesDsAlgo/Queue. feature:19) * Not displayable characters are replaced by '?'.		
	AFTER - ApplicationHooks.AppHooks.tearDown(io.cucumber.java.Scenario)  Test_the_Queue_Module_with_invalid_syntax_in_editor_box	PASSED	0.183 s

# **Test the Queue Module with valid syntax in editor box**



#	Step / Hook Details	Status	Duration
1	Given user go back to the Queue Module page	PASSED	1.263 s
2	When user enters the valid python code in "Python" and 8 editor box	PASSED	2.603 s
3	Then user should get success message	PASSED	0.212 s