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Pengujian Aplikasi W3Shools Menggunakan Robot Framework

1. Fungsi Login

Scenario

Scenario	Description
Open Browser	Alamat yang dituju adalah: https://www.w3schools.com/
Click Element	User mengklik <i>button</i> Lo gin
Input Text	User memasukkan username pada <i>text field</i>
Input Text	User memasukkan password pada <i>text field</i>
Click Element	User mengklik <i>button</i> Lo gin
Open Browser	Alamat yang dituju adalah: https://my-learning.w3schools.com/

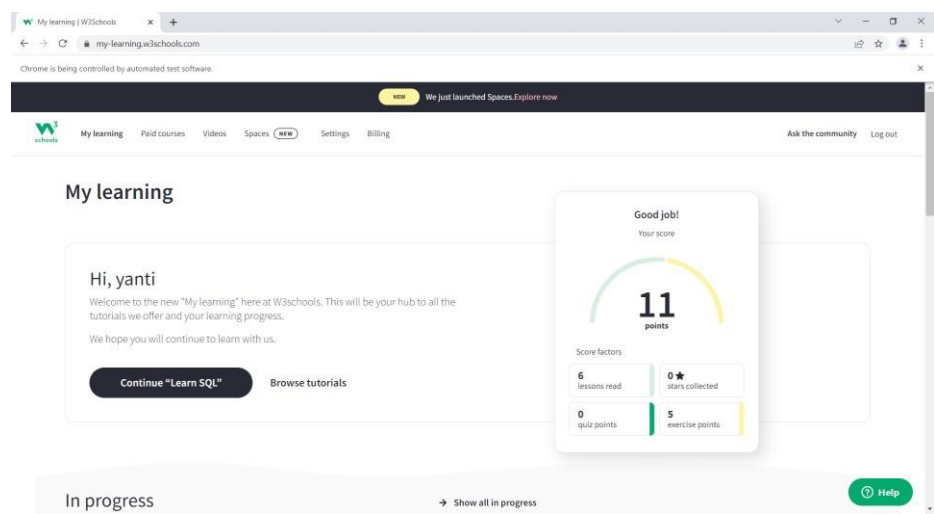
Alasan membuat *open browser* dua kali adalah karena ketika mencoba *test login* dengan variasi *username* dan *password* salah untuk hasil *coverage* nya menunjukkan 100%. Maka dibuat setiap *user login* harus menampilkan halaman awal ketika berhasil *login*.

Test Frame Fungsi Login

Test Fungsi Login	Input	
	Parameter 1	Parameter 2
Variasi 1	Username valid	Password Valid
Variasi 2	Username valid	Password tidak valid
Variasi 3	Username tidak valid	Password tidak valid

a. Test Fungsi Login Variasi 1

Test Cases					
filter elements					
TestLogin					
Open Browser	https://www.w3schools.com	chrome			
Set Selenium Implicit Wait	5				
Sleep	2				
Click Element	//*[@id="w3loginbtn"]				
Sleep	2				
Input Text	//*[@id="modalusername"]	yantihutasoit02...			
Input Text	//*[@id="current-password"]	Yanti123_			
Click Element	//*[@id="root"]/div/div/div[4]/div...				
Sleep	12				
Close Browser					
Log	Test Completed				
...					
...add new case					



TestCodeW3Shool Log

Generated
20220427 00:05:23 UTC+07:00
55 seconds ago

Test Statistics

Total Statistics	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	1	1	0	00:00:36	<div></div>
All Tests	1	1	0	00:00:36	<div></div>
Statistics by Tag					
No Tags					<div></div>
Statistics by Suite					
TestCodeW3Shool	1	1	0	00:00:36	<div></div>
TestCodeW3Shool . TestSuite	1	1	0	00:00:36	<div></div>
TestCodeW3Shool . TestSuite . TestLogin	1	1	0	00:00:36	<div></div>

Test Execution Log

SUITE

TestCodeW3Shool

Full Name:

TestCodeW3Shool

Source:

C:\Users\GO\workspace\TestCodeW3Shool

Start / End / Elapsed:

20220427 00:04:47.586 / 20220427 00:05:23.560 / 00:00:35.974

Status:

1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed

SUITE

TestSuite

b. Test Fungsi Login Variasi 2

Test Cases

filter elements

TestLogin					
Open Browser	https://www.w3schools.com	chrome			
Set Selenium Implicit Wait	5				
Sleep	2				
Click Element	//*[@id="w3loginbtn"]				
Sleep	2				
Input Text	//*[@id="modalusername"]	yantihutasoit02...			
Input Text	//*[@id="current-password"]	akusiapa?			
Click Element	//*[@id="root"]/div/div/div[4]/div...				
Sleep	20				
Close Browser					
Log	Test Completed				
...					
add new case					

Log in - W3Schools

profile.w3schools.com/log-in?redirect_url=https%3A%2F%2Fmy-learning.w3schools.com

Chrome is being controlled by automated test software.

Log in

Email

Need an account? Sign up

yantihutasoit02@gmail.com

Password

Show

.....

Make sure you type your email and password correctly. Both your password and email are case-sensitive.

Log in

Forgot password?

TestCodeW3Shool Log

Generated
20220427 01:53:17 UTC+07:00
4 minutes 12 seconds ago

Test Statistics



Total Statistics	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	1	0	1	00:00:29	
All Tests	1	0	1	00:00:29	

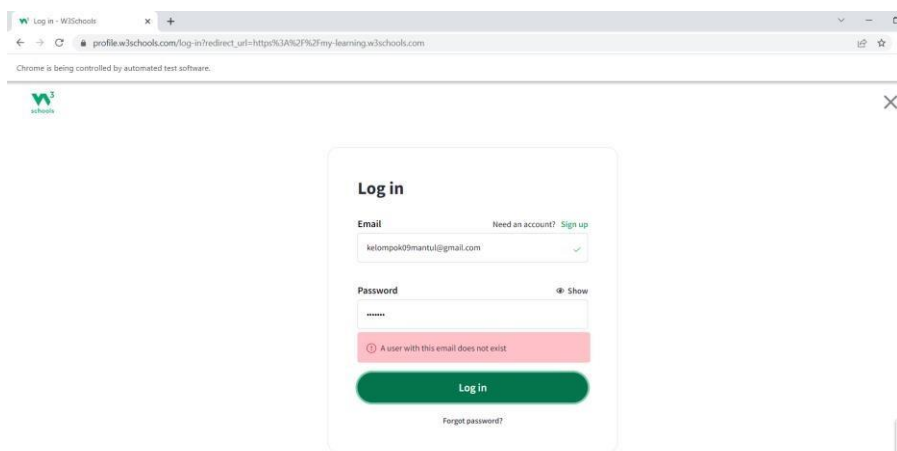
Statistics by Tag	Total	Pass	Fail	Elapsed	Pass / Fail
No Tags					

Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
TestCodeW3Shool	1	0	1	00:00:29	
TestCodeW3Shool . TestSuite	1	0	1	00:00:29	
TestCodeW3Shool . TestSuite . TestLogin	1	0	1	00:00:29	

Test Execution Log	
<div> <div>SUITE</div> <div>TestCodeW3Shool</div> </div>	
Full Name:	TestCodeW3Shool
Source:	C:\Users\GO\workspace\TestCodeW3Shool
Start / End / Elapsed:	20220427 01:52:48.575 / 20220427 01:53:17.505 / 00:00:28.930
Status:	1 critical test, 0 passed, 1 failed 1 test total, 0 passed, 1 failed
<div> <div>SUITE</div> <div>TestSuite</div> </div>	
Full Name:	TestCodeW3Shool.TestSuite
Source:	C:\Users\GO\workspace\TestCodeW3Shool\TestSuite
Start / End / Elapsed:	20220427 01:52:48.594 / 20220427 01:53:17.503 / 00:00:28.909
Status:	1 critical test, 0 passed, 1 failed 1 test total, 0 passed, 1 failed
<div> <div>SUITE</div> <div>TestLogin</div> </div>	
Full Name:	TestCodeW3Shool.TestSuite.TestLogin
Source:	C:\Users\GO\workspace\TestCodeW3Shool\TestSuite\TestLogin.robot
Start / End / Elapsed:	20220427 01:52:48.597 / 20220427 01:53:17.500 / 00:00:28.903
Status:	1 critical test, 0 passed, 1 failed 1 test total, 0 passed, 1 failed
<div> <div>TEST</div> <div>TestLogin</div> </div>	
Full Name:	TestCodeW3Shool.TestSuite.TestLogin.TestLogin
Start / End / Elapsed:	20220427 01:52:48.751 / 20220427 01:53:17.499 / 00:00:28.748
Status:	FAIL (critical)
Message:	WebDriverException: Message: "geckodriver" executable needs to be in PATH.
+ [KEYWORD]	SeleniumLibrary.Open Browser https://www.w3schools.com, chrome
+ [KEYWORD]	SeleniumLibrary.Set Selenium Implicit Wait 5
+ [KEYWORD]	BuiltIn.Sleep 2
+ [KEYWORD]	SeleniumLibrary.Click Element //*[@id="w3loginbtn"]
+ [KEYWORD]	BuiltIn.Sleep 2
+ [KEYWORD]	SeleniumLibrary.Input Text //*[@id="modalusername"], yanthihutasoit020@gmail.com
+ [KEYWORD]	SeleniumLibrary.Input Password //*[@id="current-password"], akusiapa?
+ [KEYWORD]	SeleniumLibrary.Click Element //*[@id="root"]/div/div/div[4]/div[1]/div/div[4]/div[1]/button
+ [KEYWORD]	BuiltIn.Sleep 12
- [KEYWORD]	SeleniumLibrary.Open Browser https://my-learning.w3schools.com/

c. Test Fungsi Login Variasi 3

Test Cases		
filter elements		
 TestLogin		
Open Browser	https://www.w3schools.com	chrome
Set Selenium Implicit Wait	5	
Sleep	2	
Click Element	//*[@id="w3loginbtn"]	
Sleep	2	
Input Text	//*[@id="modalusername"]	kelompok09mantul@gmail.com
Input Text	//*[@id="current-password"]	iyadong
Click Element	//*[@id="root"]/div/div/div[4]/div...	
Sleep	20	
Close Browser		
Log	Test Completed	
...		
 ...add new case		



TestCodeW3Shool Log

Generated
20220427 01:59:42 UTC+07:00
25 seconds ago

Test Statistics

Total Statistics	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	1	0	1	00:00:24	
All Tests	1	0	1	00:00:24	

Statistics by Tag	Total	Pass	Fail	Elapsed	Pass / Fail
No Tags					

Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
TestCodeW3Shool	1	0	1	00:00:25	
TestCodeW3Shool . TestSuite	1	0	1	00:00:25	
TestCodeW3Shool . TestSuite . TestLogin	1	0	1	00:00:25	

Test Execution Log

SUITE TestCodeW3Shool	
Full Name:	TestCodeW3Shool
Source:	C:\Users\GO\eclipse-workspace\TestCodeW3Shool
Start / End / Elapsed:	20220427 01:59:17.471 / 20220427 01:59:42.132 / 00:00:24.661
Status:	1 critical test, 0 passed, 1 failed 1 test total, 0 passed, 1 failed

SUITE TestSuite	
Full Name:	TestCodeW3Shool.TestSuite
Source:	C:\Users\GO\eclipse-workspace\TestCodeW3Shool\TestSuite
Start / End / Elapsed:	20220427 01:59:17.490 / 20220427 01:59:42.131 / 00:00:24.641
Status:	1 critical test, 0 passed, 1 failed 1 test total, 0 passed, 1 failed

SUITE TestLogin	
Full Name:	TestCodeW3Shool.TestSuite.TestLogin
Source:	C:\Users\GO\eclipse-workspace\TestCodeW3Shool\TestSuite\TestLogin.robot
Start / End / Elapsed:	20220427 01:59:17.492 / 20220427 01:59:42.129 / 00:00:24.637
Status:	1 critical test, 0 passed, 1 failed 1 test total, 0 passed, 1 failed



TEST TestLogin	
Full Name:	TestCodeW3Shool.TestSuite.TestLogin.TestLogin
Start / End / Elapsed:	20220427 01:59:17.638 / 20220427 01:59:42.129 / 00:00:24.491
Status:	FAIL (critical)
Message:	WebDriverException: Message: 'geckodriver' executable needs to be in PATH.
+ KEYWORD SeleniumLibrary.Open Browser	https://www.w3schools.com, chrome
+ KEYWORD SeleniumLibrary.Set Selenium Implicit Wait	5
+ KEYWORD BuiltIn.Sleep	2
+ KEYWORD SeleniumLibrary.Click Element	//*[@id="w3loginbtn"]
+ KEYWORD BuiltIn.Sleep	2
+ KEYWORD SeleniumLibrary.Input Text	//*[@id="modalusername"], kelompok09mantul@gmail.com
+ KEYWORD SeleniumLibrary.Input Password	//*[@id="current-password"], iyadong
+ KEYWORD SeleniumLibrary.Click Element	//*[@id="root"]/div/div/div[4]/div[1]/div/div[4]/div[1]/button
+ KEYWORD BuiltIn.Sleep	12
- KEYWORD SeleniumLibrary.Open Browser	https://my-learning.w3schools.com/

2. Fungsi Logout

Scenario	Description
Open Browser	Alamat yang dituju adalah: https://www.w3schools.com/
Click Element	User mengklik <i>button</i> Login
Input Text	User memasukkan username pada <i>text field</i>
Input Text	User memasukkan password pada <i>text field</i>
Click Element	User mengklik <i>button</i> Login
Click Element	User mengklik <i>button</i> Logout

Test Frame Fungsi Logout

A screenshot of a web browser showing the login page of W3Schools. The browser's address bar displays 'profile.w3schools.com'. A notification at the top states 'Chrome is being controlled by automated test software.' The W3Schools logo is visible in the top left. The main content area features a white card with a light gray border. Inside the card, the heading 'Log in' is centered. Below it, there are two input fields: 'Email' and 'Password'. To the right of the 'Email' field is a link that says 'Need an account? Sign up'. To the right of the 'Password' field is a link that says 'Show'. Below these fields is a large green button with the text 'Log in'. At the bottom of the card, there is a link that says 'Forgot password?'.

Test Cases			
filter elements			
 TestLogout			
Open Browser	https://www.w3schools.com	chrome	
Set Selenium Implicit Wait	5		
Sleep	2		
Click Element	//*[@id="w3loginbtn"]		
Sleep	2		
Input Text	//*[@id="modalusername"]	yantihutasoit02...	
Input Password	//*[@id="current-password"]	Yanti123_	
Click Element	//*[@id="root"]/div/div/div[4]/div...		
Sleep	13		
Click Element	//*[@id="navigation"]/div/button		
Sleep	20		
Close Browser			
Log	Test Completed		
...			
 ...add new case			

TestCodeW3Shool Log

Generated
20220427 00:26:53 UTC+07:00
4 minutes 30 seconds ago

Test Statistics

Total Statistics	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	1	1	0	00:00:52	
All Tests	1	1	0	00:00:52	
Statistics by Tag	Total	Pass	Fail	Elapsed	Pass / Fail
No Tags					
Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
TestCodeW3Shool	1	1	0	00:00:52	
TestCodeW3Shool - TestSuite	1	1	0	00:00:52	
TestCodeW3Shool - TestSuite - TestGroup	1	1	0	00:00:52	

Test Execution Log

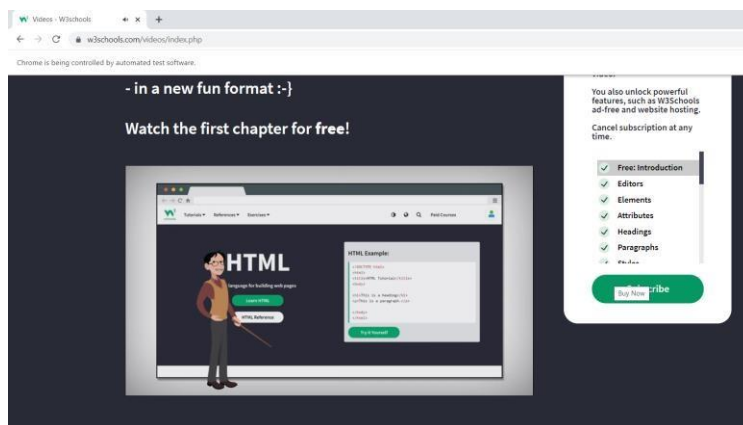
SUITE TestCodeW3Shool
Full Name: TestCodeW3Shool
Source: C:\Users\GO\workspace\TestCodeW3Shool
Start / End / Elapsed: 20220427 00:26:02.126 / 20220427 00:26:53.839 / 00:00:51.713
Status: 1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed

3. Fungsi Play Video Tutorial

Scenario	Description
Open Browser	Alamat yang dituju adalah: https://www.w3schools.com/
Click Element	User mengklik <i>button</i> Lo gin
Input Text	User memasukkan username pada <i>text field</i>
Input Text	User memasukkan password pada <i>text field</i>
Click Element	User mengklik <i>button</i> Lo gin
Click Element	User mengklik <i>button</i> Lo out

Test Frame Fungsi Play Video Tutorial

Test Cases			
filter elements			
TestPlayVideo			
Open Browser	https://www.w3schools.com	chrome	
Set Selenium Implicit Wait	5		
Sleep	2		
Click Element	//*[@id="main"]/div[2]/div/div[1]/...		
Sleep	2		
Click Element	//*[@id="my-video"]/div[2]		
Sleep	20		
Close Browser			
Log	Test Completed		
...add new case			



TestCodeW3Shool Log

Generated
20220427 00:35:54 UTC+07:00
52 seconds ago

Test Statistics

Total Statistics	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	1	1	0	00:00:31	
All Tests	1	1	0	00:00:31	

Statistics by Tag	Total	Pass	Fail	Elapsed	Pass / Fail
No Tags					

Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
TestCodeW3Shool	1	1	0	00:00:31	
TestCodeW3Shool . TestSuite	1	1	0	00:00:31	
TestCodeW3Shool . TestSuite . TestPlayVideo	1	1	0	00:00:31	

Test Execution Log

SUITE

TestCodeW3Shool

Full Name:

TestCodeW3Shool

Source:

C:\Users\GO\eclipse-workspace\TestCodeW3Shool

Start / End / Elapsed:

20220427 00:35:22.828 / 20220427 00:35:54.219 / 00:00:31.391

Status:

1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed

+

SUITE

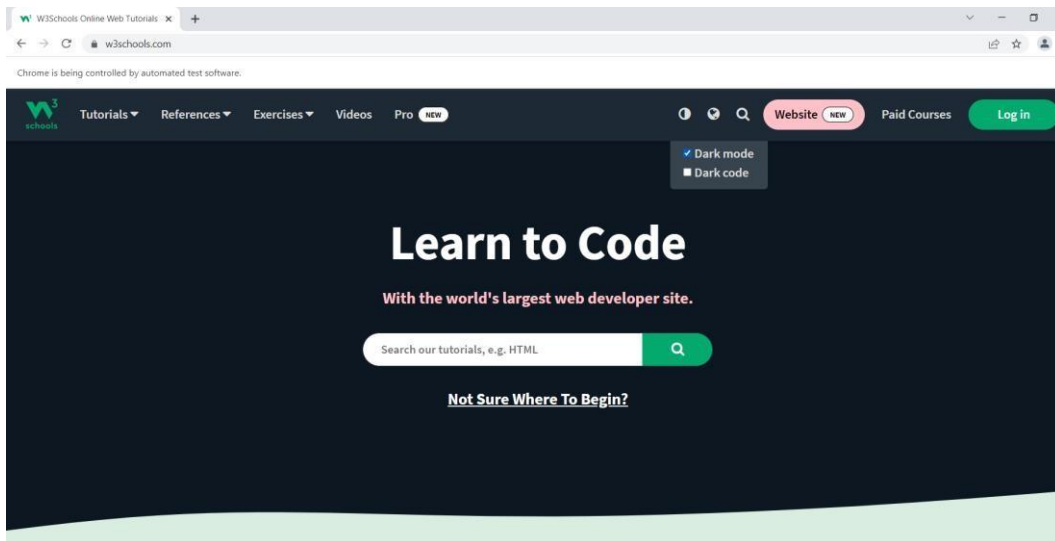
TestSuite

4. Fungsi ChangeTheme

Scenario	Description
Open Browser	Alamat yang dituju adalah: https://www.w3schools.com/
Mouse Over	User mengarahkan pada tombol change theme pada navigasi
Click Element	User mengklik checkbox

Test Frame Fungsi Change Theme

Test Cases					
filter elements					
<div>TestChangeTheme</div>					
Open Browser	https://www.w3schools.com	chrome			
Set Selenium Implicit Wait	5				
Sleep	2				
Mouse Over	xpath:/html/body/div[3]/div[3]/a[3]				
Sleep	2				
Click Element	name:radio_theme_mode				
Sleep	20				
Close Browser					
Log	Test Completed				
...					
+ ...add new case					



TestCodeW3Shool Log

Generated
20220427 02:02:15 UTC+07:00
55 seconds ago

Test Statistics

Total Statistics	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	1	1	0	00:00:29	<div></div>
All Tests	1	1	0	00:00:29	<div></div>
Statistics by Tag	Total	Pass	Fail	Elapsed	Pass / Fail
No Tags					<div></div>
Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
TestCodeW3Shool	1	1	0	00:00:29	<div></div>
TestCodeW3Shool . TestSuite	1	1	0	00:00:29	<div></div>
TestCodeW3Shool . TestSuite . TestChange Theme	1	1	0	00:00:29	<div></div>

Test Execution Log

-

SUITE

TestCodeW3Shool

Full Name:

TestCodeW3Shool

Source:

C:\Users\GO\eclipse-workspace\TestCodeW3Shool

Start / End / Elapsed:

20220427 02:01:45.680 / 20220427 02:02:15.041 / 00:00:29.361

Status:

1 critical test, 1 passed, 0 failed
1 test total, 1 passed, 0 failed

+ SUITE

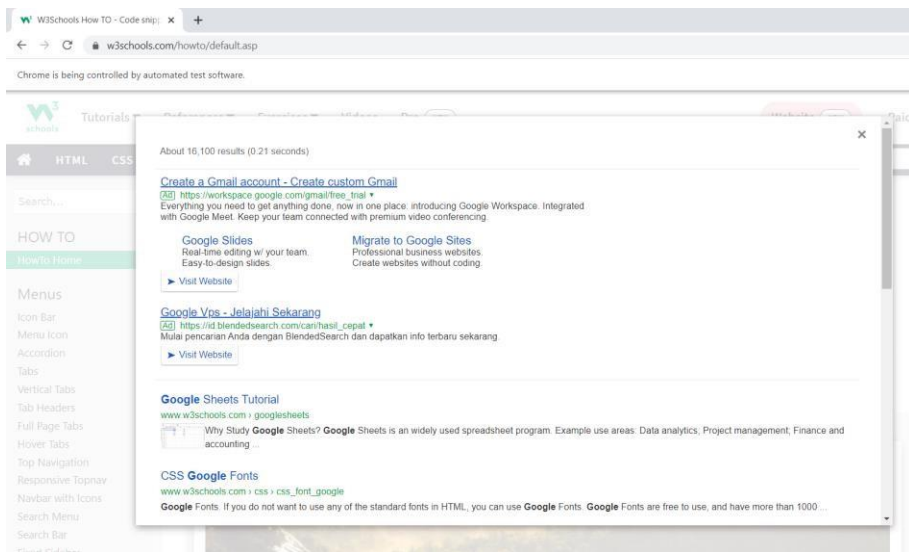
TestSuite

5. Fungsi scroll dan search

Scenario	Description
Open Browser	Alamat yang dituju adalah: https://www.w3schools.com/
Scroll Element Into View	User ngescroll ke bawah sampai nampil button learn how to
Click Element	User mengklik button learn how to
Clik Element	User mengklik icon search
Input Text	User memasukkan Google pada <i>text field</i>

Test Frame Scroll and Searh

Test Cases		
filter elements		
TestScrollAndSearch		
Open Browser	https://www.w3schools.com	chrome
Set Selenium Implicit Wait	5	
Sleep	2	
scroll element into view	xpath://*[@id="howto_padding"]/a	
Sleep	6	
Click Element	//*[@id="howto_padding"]/a	
Sleep	3	
Click Element	//*[@id="topnav"]/div/div[1]/a[19]	
Sleep	2	
Input Text	//*[@id="gsc-i-id1"]	google
Sleep	2	
Click Element	//*[@id="__gcse_0"]/div/div/form...	
Sleep	2	
Close Browser		
Log	Test Completed	
...		
...add new case		



TestCodeW3Shool Log

Generated
20220427 01:16:44 UTC+07:00
3 seconds ago

Test Statistics

Total Statistics		Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests		1	1	0	00:00:44	<div></div>
All Tests		1	1	0	00:00:44	<div></div>
Statistics by Tag		Total	Pass	Fail	Elapsed	Pass / Fail
No Tags						<div></div>
Statistics by Suite		Total	Pass	Fail	Elapsed	Pass / Fail
TestCodeW3Shool		1	1	0	00:00:45	<div></div>
TestCodeW3Shool . TestSuite		1	1	0	00:00:44	<div></div>
TestCodeW3Shool . TestSuite . H		1	1	0	00:00:44	<div></div>

Test Execution Log

SUITE TestCodeW3Shool	
Full Name:	TestCodeW3Shool
Source:	C:\Users\IGO\workspace\TestCodeW3Shool
Start / End / Elapsed:	20220427 01:16:00.445 / 20220427 01:16:44.975 / 00:00:44.530
Status:	1 critical test, 1 passed, 0 failed 1 test total, 1 passed, 0 failed
+ SUITE TestSuite	