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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 *button* Lo gin
Input Text	User memasukkan username pada *text field*
Input Text	User memasukkan password pada *text field*
Click Element	User mengklik *button* 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

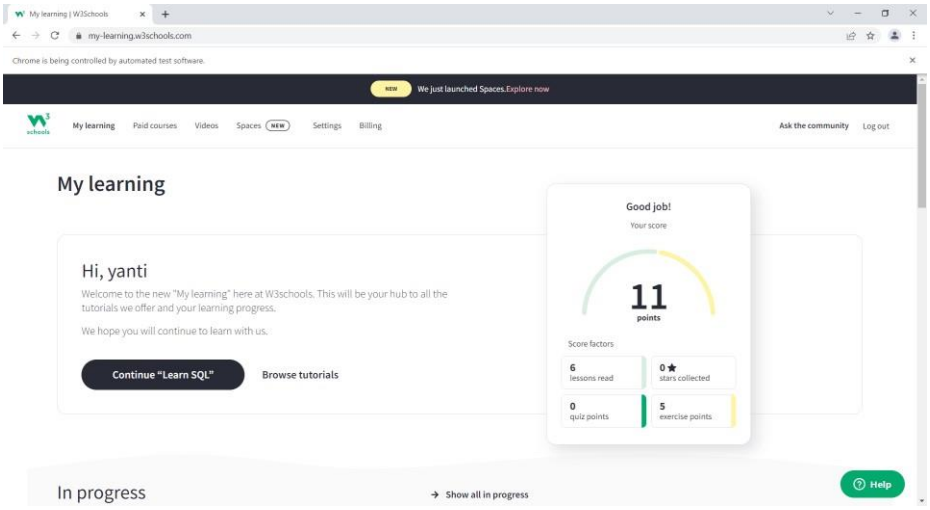
Test Fungsi Login	Input	
	Parameter 1	**Parameter 2**
Variasi 1	Username valid	Password Valid
Variasi 2	Username valid	Password tidak valid
Variasi 3	Username tidak valid	Password tidak valid

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	
All Tests	1	1	0	00:00:36	

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

Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
TestCodeW3Shool	1	1	0	00:00:36	
TestCodeW3Shool . TestSuite	1	1	0	00:00:36	
TestCodeW3Shool . TestSuite . TestLogin	1	1	0	00:00:36	

Test Execution Log

SUITE **TestCodeW3Shool**

Full Name:	TestCodeW3Shool
Source:	C:\Users\GO\eclipse-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

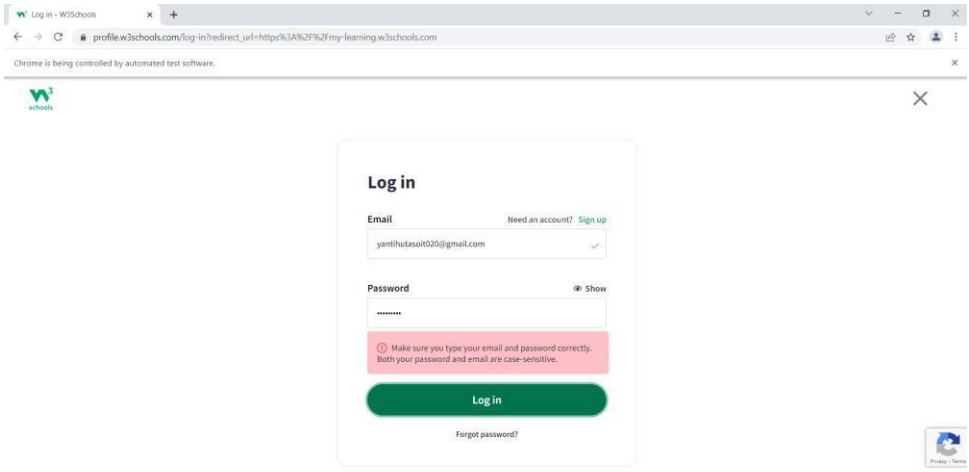
SUITE **TestSuite**

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					



TestCodeW3Shool Log

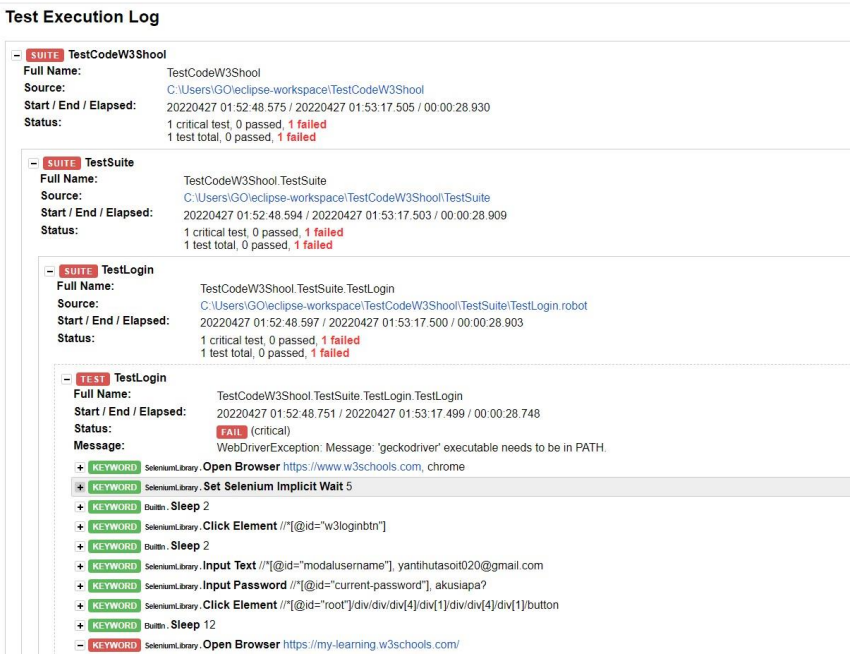
Generated
20220427 01:53:17 UTC+07:00
4 minutes 12 seconds ago

Test Statistics

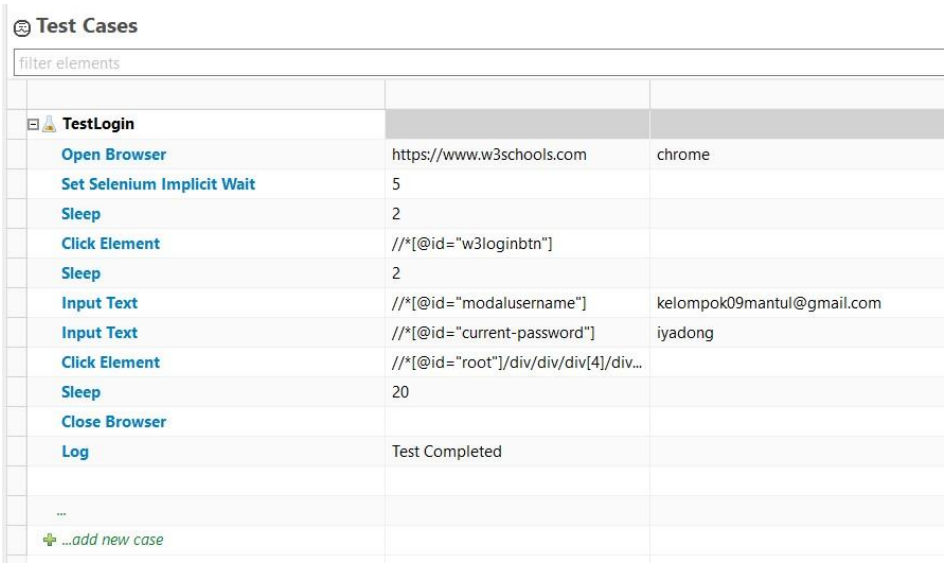
Total Statistics	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	1	0	1	00:00:29	
All Tests	1	0	1	00:00:29	

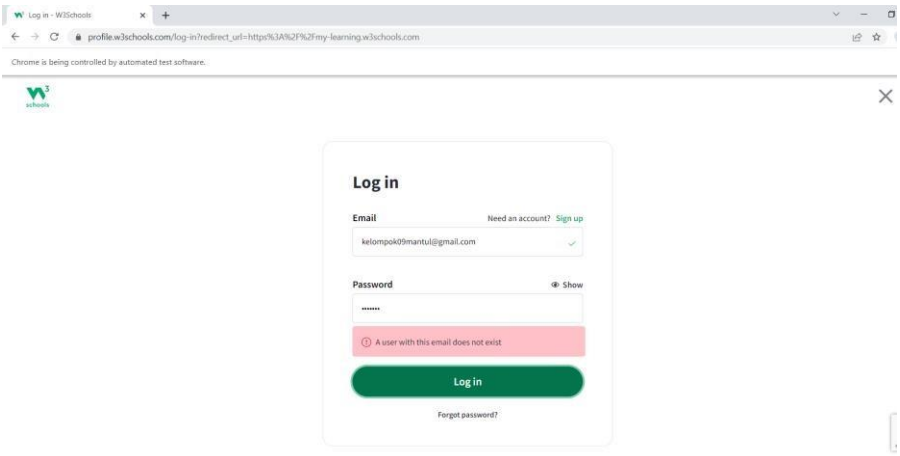
Statistics by Tag	Total	Pass	Fail	Elapsed	Pass / Fail
No Tags					

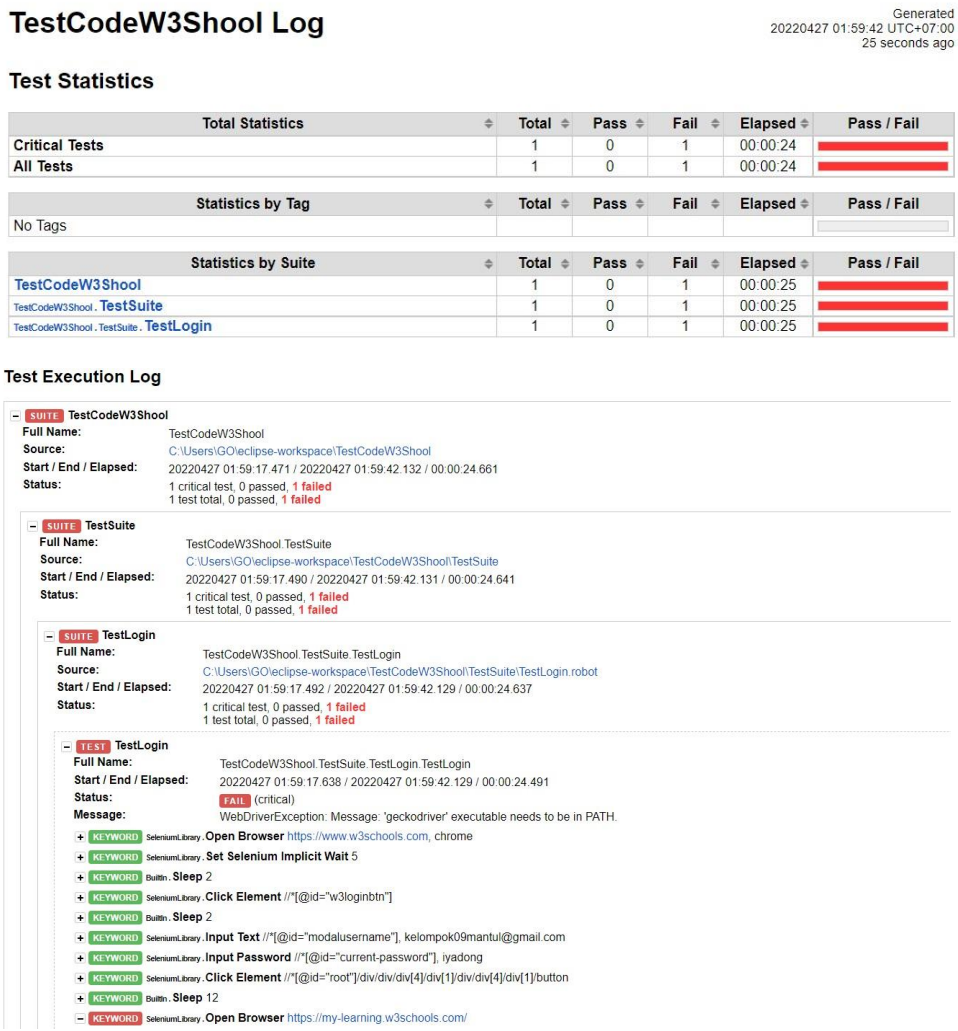
Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
TestCodeW3Shool	1	0	1	00:00:29	
TestCodeW3Shool . **TestSuite**	1	0	1	00:00:29	
TestCodeW3Shool . TestSuite . **TestLogin**	1	0	1	00:00:29	



c. Test Fungsi Login Variasi 3







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

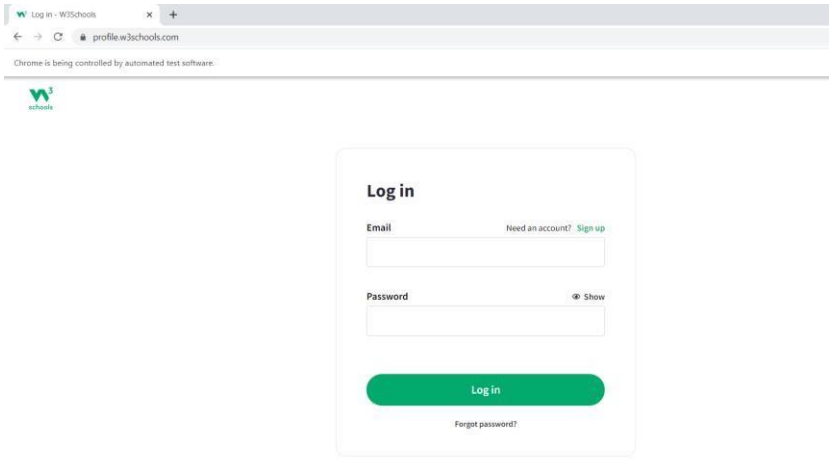
TEST TestLogin
Full Name: TestCodeW3Shool.TestSuite.TestLogin.TestLogin
Start / End / Elapsed: 20220427 01:59:17.638 / 20220427 01:59:42.129 / 00:00:24.491
Status: FAIL (critical)
Message: WebDriverException: Message: 'geckodriver' executable needs to be in PATH.

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 *button* Login
Input Text	User memasukkan username pada *text field*
Input Text	User memasukkan password pada *text field*
Click Element	User mengklik *button* Login
Click Element	User mengklik *button* Logout

Test Frame Fungsi Logout



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 . TestLogout	1	1	0	00:00:52	

Test Execution Log

SUITE TestCodeW3Shool

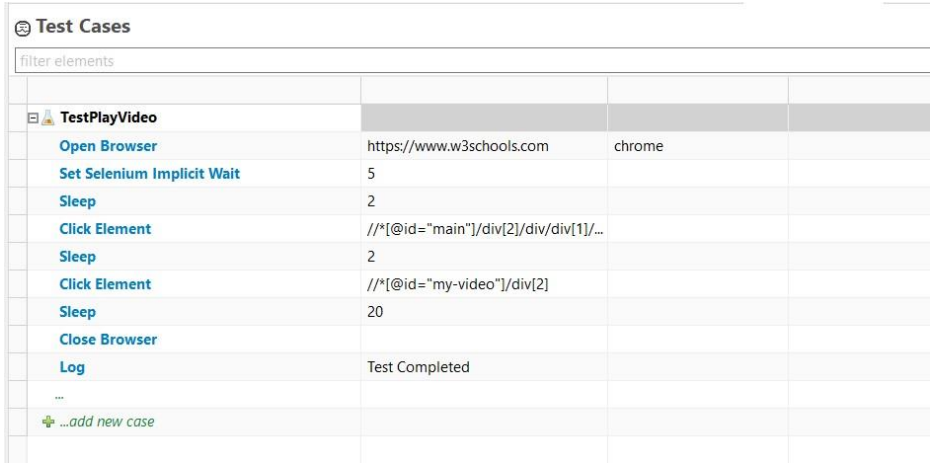
Full Name:	TestCodeW3Shool
Source:	C:\Users\GO\eclipse-workspace\TestCodeW3Shool
Start / End / Elapsed:	20220427 00:26:02.126 / 20220427 00:26:53.839 / 00:00:51.713
Status:	1 critical test, 1 passed, 0 failed 1 test total, 1 passed, 0 failed

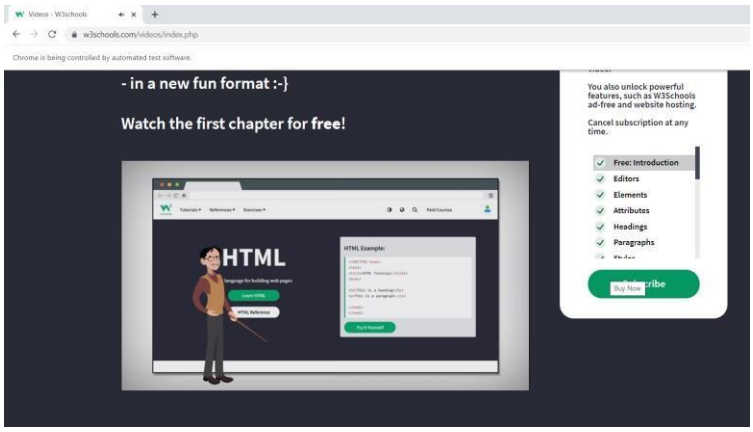
SUITE TestSuite

3. Fungsi Play Video Tutorial

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

Test Frame Fungsi Play Video Tutorial





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

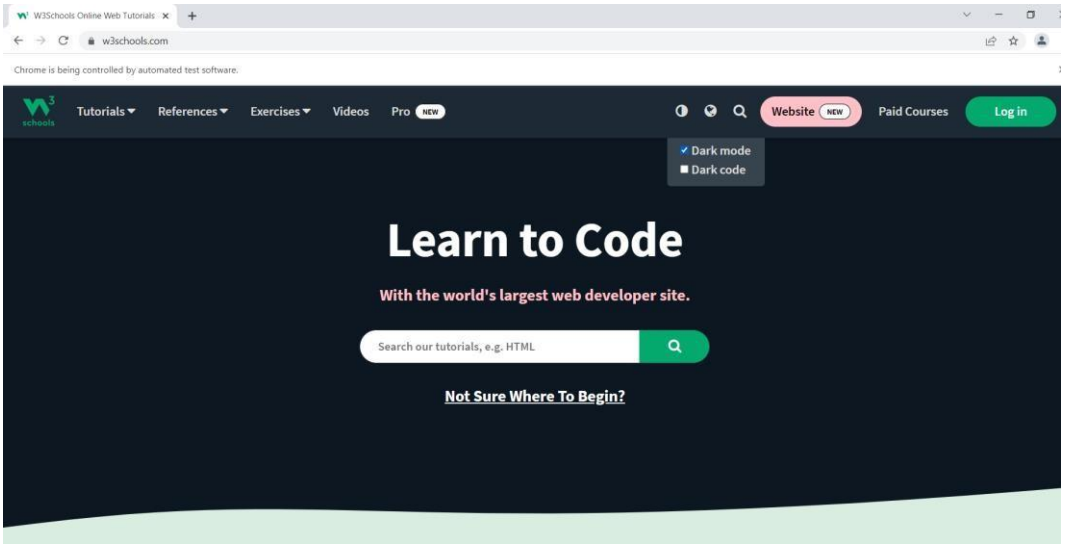
Scenario	Description
Open Browser	Alamat yang dituju adalah: https://www.w3schools.com/
Mouse Over	User mengarahkan pada tombol change theme pada navigasi
Click Element	User mengklik checkbox

Test Frame Fungsi Change Theme

Test Cases

filter elements

TestChangeTheme		
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	
All Tests	1	1	0	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	1	0	00:00:29	
TestCodeW3Shool . TestSuite	1	1	0	00:00:29	
TestCodeW3Shool . TestSuite . TestChangeTheme	1	1	0	00:00:29	

Test Execution Log

SUITE **TestCodeW3Shool**

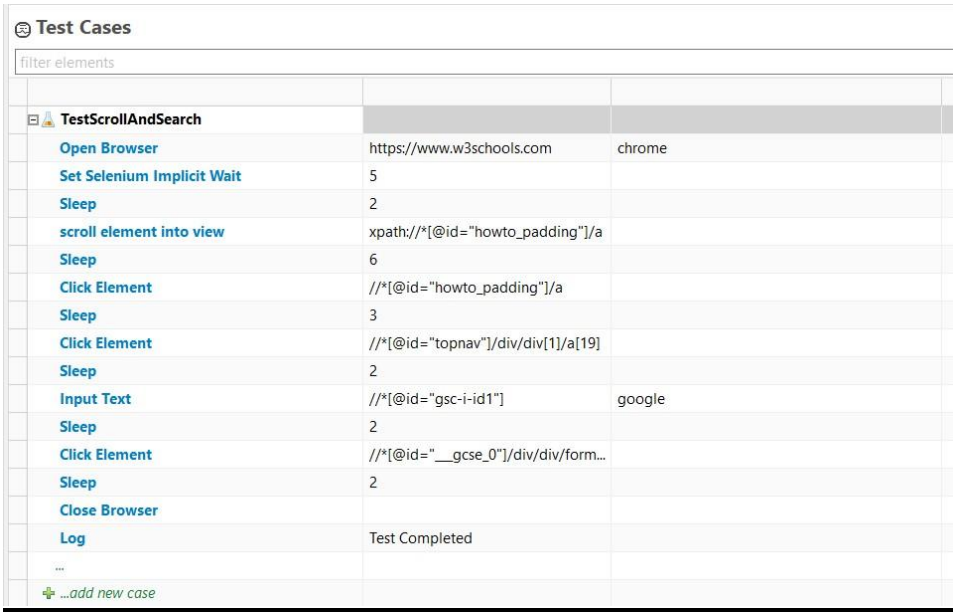
Full Name:	TestCodeW3Shool
Source:	C:\Users\GO\eclipse-workspace\TestCodeW3Shool
Start / End / Elapsed:	20220427 02:01:45.680 / 20220427 02:02:15.041 / 00:00:29.361
Status:	1 critical test, 1 passed, 0 failed 1 test total, 1 passed, 0 failed

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 *text field*

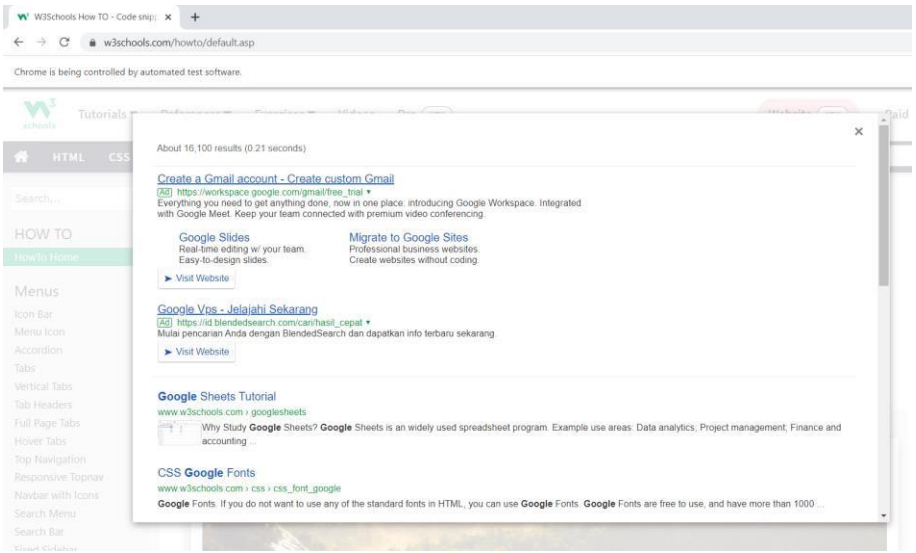
Test Frame Scroll and Searh



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	
All Tests	1	1	0	00:00:44	

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

Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
TestCodeW3Shool	1	1	0	00:00:45	
TestCodeW3Shool . **TestSuite**	1	1	0	00:00:44	
TestCodeW3Shool . TestSuite . **H**	1	1	0	00:00:44	

Test Execution Log

SUITE **TestCodeW3Shool**

Full Name:	TestCodeW3Shool
Source:	C:\Users\GO\eclipse-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**