

Process Creating Automation Testing Website

Scenario 1 Study Case E-Commerce Mapclub:

Add product to cart shop

Test Case:

Given: User visit to website e-commerce (<https://www.mapclub.com>) and log in to the application

When the user searching the product desired for example Samsung A34

And user visits one of the product details about the Samsung A34

And user Add products by clicking Add Cart

And user visit the cart page

Then user View products added to the cart

Another Case:

Delete the product on the cart page so that the website returns to normal before the automation wants to run again

Expected Result:

displays products in the cart page

Script Automation:

```
1 import time
2 import unittest
3 from selenium import webdriver
4 from selenium.webdriver.common.by import By
5 from selenium.webdriver.support.ui import WebDriverWait
6 from selenium.webdriver.support import expected_conditions as EC
7 from selenium.common.exceptions import TimeoutException
8 from selenium.webdriver.common.keys import Keys
9 from selenium.webdriver.common.action_chains import ActionChains
10
11
12
13 class TestScenarioecommerce(unittest.TestCase):
14     def setUp(self):
15         self.driver = webdriver.Chrome()
16         self.driver.maximize_window()
17         self.driver.get("https://www.mapclub.com")
18
19     def test_ecommerce(self):
20
21         wait = WebDriverWait(self.driver, 60)
22
23         wait.until(EC.visibility_of_element_located((By.XPATH, "//a[@href='/member/login']")))
24         self.driver.find_element(By.XPATH, "//a[@href='/member/login']").click()
25
26         wait.until(EC.visibility_of_element_located((By.XPATH, "//input[@id='username']")))
27         self.driver.find_element(By.XPATH, "//input[@id='username']").send_keys("#username pengguna")
28
29         self.driver.find_element(By.XPATH, "//button[@class='button submit']").click()
30
31         wait.until(EC.visibility_of_element_located((By.XPATH, "//input[@placeholder='Password']")))
32         self.driver.find_element(By.XPATH, "//input[@placeholder='Password']").send_keys("#password pengguna")
33
34         wait.until(EC.visibility_of_element_located((By.XPATH, "//button[contains(., 'Login')]")))
35         self.driver.find_element(By.XPATH, "//button[contains(., 'Login']").click()
36
37         wait.until(EC.visibility_of_element_located((By.XPATH, "//a[contains(., 'Create PIN Later')]")))
38         self.driver.find_element(By.XPATH, "//a[contains(., 'Create PIN Later']").click()
39         time.sleep(3)
40
41         wait.until(EC.visibility_of_element_located((By.XPATH, "//input[@name='keyword']")))
42         self.driver.find_element(By.XPATH, "//input[@name='keyword']").send_keys("samsung A34")
43         self.driver.find_element(By.XPATH, "//input[@name='keyword']").send_keys(Keys.ENTER)
44
45         wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='product-grid__item'][contains(., 'GALAXY A34 5G 8/128GB BLACK')] ")))
46         wait.until(EC.visibility_of_element_located((By.XPATH, "//a[@href='/item/samsung/samsung/galaxy-a34-5g-8-128gb-black-SP230914323368-A004']][3]"))).click()
47
48         wait.until(EC.visibility_of_element_located((By.XPATH, "//a[@class='btn btn-black-border btn-add-shopbag'][contains(., 'ADD TO BAG')]"))).click()
49
50
51         wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='dialog-content']//div//p[contains(., 'ADD TO BAG SUCCESSFULLY')]")))
52         wait.until(EC.invisibility_of_element_located((By.XPATH, "//div[@class='dialog-content']//div//p[contains(., 'ADD TO BAG SUCCESSFULLY')]")))
53
54         wait.until(EC.visibility_of_element_located((By.XPATH, "//a[@href='/shoppingcart']"))).click()
55
56         #verifikasi produk berada di halaman ranjang
```

```

57     wait.until(EC.visibility_of_element_located((By.XPATH, "//li[@class='shopping-cart__list-product']/a[contains(., 'GALAXY A34 5G 8/128GB BLACK')] ")))
58
59     #Delete product
60     element_to_hover_over= self.driver.find_element(By.XPATH, "(//li[@class='shopping-cart__list-product'] [contains(., 'GALAXY A34 5G 8/128GB BLACK')])//a)[5]")
61     action = ActionChains(self.driver)
62     action.move_to_element(element_to_hover_over).perform()
63
64     wait.until(EC.visibility_of_element_located((By.XPATH, "(//li[@class='shopping-cart__list-product'] [contains(., 'GALAXY A34 5G 8/128GB BLACK')])//a)[5]"))).click()
65     time.sleep(2)
66
67     wait.until(EC.visibility_of_element_located((By.XPATH, "//a[contains(., 'DELETE')]")))
68     self.driver.find_element(By.XPATH, "//a[contains(., 'DELETE')]").click()
69
70     wait.until(EC.visibility_of_element_located((By.XPATH, "//h4[contains(., 'You don't have anything in your bag yet.')]")))
71
72     def tearDown(self):
73         self.driver.quit()
74
75     test_suite = unittest.TestSuite()
76     test_suite.addTest(unittest.makeSuite(TestScenarioecommerce))
77
78     if __name__ == "__main__":
79         unittest.TextTestRunner().run(test_suite)

```

Scenario 2 Study Case Website Traveloka:

Search for car rental without a Driver and check the search results in the content header

Test Case:

Given: User visit to the website (<http://www.traveloka.com>)

When the user visit the tab content car rental

And select Pick-up Location (e.g.: Jakarta)

And Select Pick-up Date & Time (e.g.: today: 02:00)

And Select Drop-off Date & Time (e.g.: today: 10:00)

And Click the button Search Car

Then displays search results based on location and date of rental by the user in the content header

Expected Result:

displays search results based on location and date of rental by the user in the content header

Script Automation:

```

1  import time
2  import unittest
3  from selenium import webdriver
4  from selenium.webdriver.common.by import By
5  from selenium.webdriver.support.ui import WebDriverWait
6  from selenium.webdriver.support import expected_conditions as EC
7  from selenium.common.exceptions import TimeoutException
8  from selenium.webdriver.common.keys import Keys
9  from selenium.webdriver.common.action_chains import ActionChains
10
11
12
13  class TestTraveloka(unittest.TestCase):
14      def setUp(self):
15          self.driver = webdriver.Chrome()
16          self.driver.maximize_window()
17          self.driver.get("https://www.traveloka.com/en-id")
18
19      def test_trveloka(self):
20
21          wait = WebDriverWait(self.driver, 60)
22
23          wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='css-1dbjc4n r-1pi2tsx r-bnwqim r-184en5c'] [contains(., 'Car Rental')]")))
24          self.driver.find_element(By.XPATH, "//div[@class='css-1dbjc4n r-1pi2tsx r-bnwqim r-184en5c'] [contains(., 'Car Rental')]").click()
25
26          time.sleep(2)
27
28          #Pick-up Location
29          wait.until(EC.visibility_of_element_located((By.XPATH, "//input[@placeholder='Enter city or region']")))
30          self.driver.find_element(By.XPATH, "//input[@placeholder='Enter city or region']").send_keys("jakarta")
31
32          wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@aria-label='Jakarta']/div")))
33          self.driver.find_element(By.XPATH, "//div[@aria-label='Jakarta']/div").click()

```

```

34
35     time.sleep(3)
36
37     #Pick-up Date Rental Start Date
38     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='css-1dbjc4n r-1kb76zh']][3]")))
39     self.driver.find_element(By.XPATH, "//div[@class='css-1dbjc4n r-1kb76zh']][3]").click()
40
41     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@data-testid='date-marker-today']][1]")))
42     self.driver.find_element(By.XPATH, "//div[@data-testid='date-marker-today']][1]").click()
43
44     time.sleep(3)
45
46     #Pickup Time Rental Start Date
47
48     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='css-1dbjc4n r-1kb76zh']][4]")))
49     self.driver.find_element(By.XPATH, "//div[@class='css-1dbjc4n r-1kb76zh']][4]").click()
50
51     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='css-1dbjc4n r-18u37iz r-xyw6el']/div[contains(., '2')][5]")))
52     self.driver.find_element(By.XPATH, "//div[@class='css-1dbjc4n r-18u37iz r-xyw6el']/div[contains(., '2')][5]").click()
53
54     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='css-1dbjc4n r-y46g1k']/div[contains(., 'Done')][1]")))
55     self.driver.find_element(By.XPATH, "//div[@class='css-1dbjc4n r-y46g1k']/div[contains(., 'Done')][1]").click()
56
57     wait.until(EC.visibility_of_element_located((By.XPATH, "//input[@value='02:00']")))
58
59
60     #Pick-up Date Rental End Date
61     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='css-1dbjc4n r-1kb76zh']][5]")))
62     self.driver.find_element(By.XPATH, "//div[@class='css-1dbjc4n r-1kb76zh']][5]").click()
63
64     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@data-testid='date-marker-today']][1]")))
65     self.driver.find_element(By.XPATH, "//div[@data-testid='date-marker-today']][1]").click()
66
67     time.sleep(3)
68
69     #Pickup Time Rental End Date
70     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='css-1dbjc4n r-1kb76zh']][6]")))
71     self.driver.find_element(By.XPATH, "//div[@class='css-1dbjc4n r-1kb76zh']][6]").click()
72
73     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='css-1dbjc4n r-18u37iz r-xyw6el']/div[contains(., '10')][5]")))
74     self.driver.find_element(By.XPATH, "//div[@class='css-1dbjc4n r-18u37iz r-xyw6el']/div[contains(., '10')][5]").click()
75
76     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='css-1dbjc4n r-y46g1k']/div[contains(., 'Done')][1]")))
77     self.driver.find_element(By.XPATH, "//div[@class='css-1dbjc4n r-y46g1k']/div[contains(., 'Done')][1]").click()
78
79     wait.until(EC.visibility_of_element_located((By.XPATH, "//input[@value='10:00']")))
80
81     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@data-testid='rental-search-form-cta']")))
82     self.driver.find_element(By.XPATH, "//div[@data-testid='rental-search-form-cta']").click()
83
84     #Check Header Result Search Content
85     wait.until(EC.visibility_of_element_located((By.XPATH, "//div[@class='css-1dbjc4n r-391gc0 r-kdyh1x'][contains(., 'Car Rental Without Driver')][contains(., 'Ja
86
87
88     def tearDown(self):
89         self.driver.quit()
90
91
92 test_suite = unittest.TestSuite()
93 test_suite.addTest(unittest.makeSuite(TestTraveloka))
94
95
96 if __name__ == "__main__":
97     unittest.TextTestRunner().run(test_suite)

```