

kloia Test Automation Dojo

22 May 2023

Dojo Rules

- Less slides!
- All hands-on!
- No step-by-step instructions given, Google it!
- We are here, as “mentor” to help you
- Asking questions is FREE!
- Whoever finishes the Kata, helps the others

Test Automation Dojo

- Introduction to Web Elements and Inspection
- Kata Set-1: Web Elements Inspection
- Kata Set-2: Web Component with Selenium WebDriver
- Kata Set-3: Web Component with Capybara + RSpec
- Kata Set-4: Web Test Automation with Cucumber + Capybara



Definitions

- Test Automation
- Ruby
- Selenium
- Capybara
- RSpec
- BDD, cucumber

Introduction to Web Element

→ Web element refers to the various HTML elements that make up the structure and content of a web page.

```
<h1 data-uniqid="1621702280245">Practice Page</h1>
<header id="top"></header>
▼<div class="block large-row-spacer yummy">
  ▼<div class="left-align" id="radio-btn-example">
    ▼<fieldset>
      <legend>Radio Button Example</legend>
      ▶<label for="bmw">...</label>
      ▶<label for="benz">...</label>
      ▶<label for="honda">...</label>
    </fieldset>
  </div>
  ▼<div class="cen-align" id="checkbox-example-div">
    ▼<fieldset>
      <legend>Checkbox Example</legend>
      ▼<label for="bmw">
        <input id="bmwcheck" value="bmw" name="cars" type="checkbox">
          " BMW "
        </label>
      ▶<label for="benz">...</label>
      ▶<label for="honda">...</label>
    </fieldset>
  </div>
  ▼<div class="cen-right-align" id="open-window-example-div">
    ▼<fieldset>
      <legend>Switch Window Example</legend>
      <button id="openwindow" class="btn-style class1" onclick="openWindow()">Open Window</button>
    </fieldset>
  </div>
  ▶<div class="right-align" id="open-tab-example-div">...</div>
```

Introduction to Web Element

→ Some common types of web elements

- * **Button**
- * **Text**
- * **Input**
- * **Dropdown**
- * **Image**
- * **Span**

Introduction to Web Element Locators

→ Some common types of web element locators

- * **Class Name**
- * **Css Selector**
- * **Id**
- * **Name**
- * **Link Text**
- * **Tag Name**
- * **Xpath**

Introduction to Inspection

→ Open developer tool

- * For Chrome & Firefox on Windows or linux: Press **Ctrl + Shift + I**
- * For Chrome & Firefox&Safari: Press **Cmd + Option + I**

→ Inspect an element

- * CSS selector : https://www.w3schools.com/cssref/css_selectors.php
- * Xpath : https://www.w3schools.com/xml/xpath_intro.asp

Kata Set-1



→ Web Elements Inspection

Kata Set-1

url <https://www.letscodeit.com/practice>
web element Open Window Button

Kata Set-1

url <https://www.letscodeit.com/practice>

web element Multi Select Example (Orange)

method css selector & xpath

Kata Set-1

url <https://www.letscodeit.com/practice>

web element Select Class Example (Second Option)

method css selector & xpath

Kata Set-1

url <https://www.letscodeit.com/practice>

web element Web Table Example
(Table of second price)

method css selector & xpath

Kata Set-1

url <https://www.letscodeit.com/practice>

web element Web Table Example

(Table of second price with text)

method css selector & xpath

Kata Set-1

url <https://www.letscodeit.com/courses>

web element Course Link

(Link of second course)

method css selector & xpath

Kata Set-1

url <https://www.n11.com/>

web element Kozmetik & Kişisel Bakım

method css selector & xpath

Kata Set-1

url <https://www.n11.com/>

web element Ev & Yaşam => Mobilya
=> Add Basket

method css selector & xpath

Kata Set-1

url <https://www.n11.com/>

web element Ev & Yaşam => Mobilya

=> Add Favori with product name

method xpath

Kata Set-2



- **Selenium Web Driver**
- **Ruby**

Kata Set-2



url <https://www.letscodeit.com/register>
interaction Fill inputs

Kata Set-2

url <https://www.letscodeit.com/practice>
interaction Select Checkboxes

Kata Set-2

url <https://www.letscodeit.com/practice>

interaction Select Option from Dropdown

- select by value
- select by index
- select by text

Kata Set-2



url <https://the-internet.herokuapp.com/hovers>

interaction Hover Avatars

Get text of user name

Write it to console

Kata Set-2



url <https://the-internet.herokuapp.com/redirector>

interaction Click Redirect Link

Write h3 text to console

Write url to console

Navigate to the previous page

Write url to console

Kata Set-2

url <https://www.letscodeit.com/practice>

interaction Click Open Tab Button

Get page title

Write it to console

Switch to first tab

Get page title

Write it to console

Kata Set-2



url <https://the-internet.herokuapp.com/upload>

interaction Upload a File

Get file title

Write it to console

Kata Set-2

https://www.selenium.dev/selenium/web/mouse_interaction.html

interaction Drag & Drop

Get dropped text

Write it to console

Kata Set-2

url <https://www.n11.com/>

interaction scroll until brands

Write second brands name

Scroll to page bottom

Verify page bottom

Scroll to page top

Verify page top

Kata Set-2

url <https://www.n11.com/>

interaction scroll until brands

click a brand

verify brand page

click product

add product to cart

Kata Set-3

- Capybara
- RSpec
- Ruby

Kata Set-3

url <http://the-internet.herokuapp.com/login>

interaction Fill user name

Fill password

Click on Login Button

Verify successful login

Kata Set-3

url <https://www.n11.com/giris-yap>

interaction Fill email

Fill password

Click on Login Button

Verify user account

Kata Set-3



url <https://www.letscodeit.com/practice>

interaction Select Checkboxes

Verify that the checkbox is checked

Uncheck to checkbox

Verify that the checkbox is unchecked

Kata Set-3



url <https://www.letscodeit.com/practice>

interaction Select Checkboxes

Verify that the checkbox is checked

Uncheck to checkbox

Verify that the checkbox is unchecked

Kata Set-3

url <https://www.letscodeit.com>

interaction Select option from dropdown

- select by value
- select by index
- select by text

Verify the selected

Kata Set-3

url <https://www.n11.com/uye-ol>

interaction Select birthday from dropdown

Verify the selected

Select birth month from dropdown

Verify the selected

Select birth year from dropdown

Verify the selected

Kata Set-3



url <https://www.n11.com>

interaction Login

Hover my account icon

click logout

verify logout

Kata Set-3

url <https://www.selenium.dev/selenium/web/upload.html>

interaction upload document

verify file name

Kata Set-3

url <https://www.n11.com>

interaction Click Login

Verify redirect page

Verify current url

Navigate to the previous page

Verify current url

Kata Set-3

url <https://www.n11.com>

interaction Open New Tab

Switch New Tab

Visit <https://www.n11.com/giyim-ayakkabi>

Verify page title

Switch First Tab

Verify first title

Kata Set-3



url <https://the-internet.herokuapp.com/upload>

interaction Upload a File

Verify file title

Kata Set-3

https://www.selenium.dev/selenium/web/mouse_interaction.html

interaction Drag & Drop

Verify dropped text

Kata Set-3

url <https://www.n11.com/>

interaction scroll until brands

Verify second brand name

Scroll to page bottom

Verify page bottom

Scroll to page top

Verify page top

Kata Set-3

url <https://www.n11.com/>

interaction scroll until brands

click a brand

verify brand page

click product

add product to cart

Kata Set-3

url <https://www.n11.com/>

interaction Click search for iphone 14

Click first product

Click add to cart

Go to cart

Verify cart

Kata Set-4



BDD Approach

Cucumber

Ruby

Capybara

Rspec

BDD

```
Scenario: As a user I should be able to login
  Given user on the homepage
  And user enters the valid credentials
  When user clicks on the login button
  Then user should be able to login
```

Page Object Model

Definition

Kata Set-4

Open n11.com
Verify logo is displayed

Kata Set-4

Open n11.com
Click sign up
Verify register page

Kata Set-4

Open n11.com
Search for shoes
Verify result (Total results)

Kata Set-4

Open n11.com
Ev-Yaşam -> Mobilya
Clicks on first product
Verify add to cart

Kata Set-4

Open n11.com
Click login button
Login with valid account
Verify login

Kata Set-4

Open n11.com

Login

Click search for iphone 11

Click first product

Click add to cart

Go to cart

Verify cart

Kata Set-5

Kata Set-6



Cucumber Hook

Kata Set-6

Screenshots

Kata Set-6



Allure report

Kata Set-6



Attach screenshot to Allure report

Kata Set-6



Attach log to Allure report

Kata Set-6



Run test with command line

Kata Set-6



Run test with command line

Kata Set-6



Pass parameters from CLI

Kata Set-6



cucumber.yml

Kata Set-6



Run test parallel on command line

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