

Home Assignment <4>: Interactions with Checkboxes

Learning Objective:

Learn to automate checkbox interactions using Selenium WebDriver and perform verifications on web elements.

Expected Completion Time:

Best Case: 15 minutes

Average Case: 20 minutes

Assignment Details:

- Automate the Leafground web page by interacting with checkboxes using Selenium WebDriver.

Precondition:

- Initialize ChromeDriver
- Load the URL <https://leafground.com/checkbox.xhtml>
- Maximize the browser window
- Add an implicit wait to ensure the web page elements are fully loaded

Requirements:

- Click on the "Basic Checkbox."
- Click on the "Notification Checkbox."
- Verify that the expected message is displayed.
- Click on your favorite language (assuming it's related to checkboxes).
- Click on the "Tri-State Checkbox."
- Verify which tri-state option has been chosen.
- Click on the "Toggle Switch."
- Verify that the expected message is displayed.
- Verify if the Checkbox is disabled.
- Select multiple options on the page (details may be needed).
- Perform any additional actions or verifications required.
- Close the web browser when done.

Hints to Solve:

- Use Selenium methods such as `get()`, `findElement()`, `manage()` and `click()` to perform the required actions.
- Use `isSelected()` to validate the checkboxes.

Reference Links:

- Verification of WebElements
<https://www.selenium.dev/documentation/webdriver/elements/information/%23is-selected>

Expected Outcome:

Upon completion, you should be able to:

- Automate interactions with checkboxes using Selenium WebDriver.
- Validating checkboxes are enabled or disabled