

Introduction to ActionChains

- Enables performing advanced user interactions
- Supports mouse movements, key presses, hovering, drag-and-drop
- Actions are executed in order using perform() method
- Requires: from selenium.webdriver import ActionChains

Syntax of ActionChains

- Method 1 - Chained pattern:
 - e = driver.find_element_by_css_selector('.txt')
 - a = ActionChains(driver)
 - a.move_to_element(e).click().perform()
- Method 2 - Queued actions:
 - e = driver.find_element_by_css_selector('.txt')
 - a = ActionChains(driver)
 - a.move_to_element(e)
 - a.click()
 - a.perform()

Mouse Actions

- click - Clicks a web element
- double_click - Performs a double-click
- context_click - Right-clicks a web element
- click_and_hold - Holds down the left mouse button
- drag_and_drop - Moves an element to another element
- move_to_element - Moves the mouse to a web element

Keyboard Actions

- key_down - Presses a modifier key (Shift, Ctrl, etc.)
- key_up - Releases a modifier key
- send_keys - Sends keys to an active element
- pause - Pauses execution for a duration
- reset_actions - Clears all actions

Example Usage

- Clicking 'Privacy Policy' using ActionChains:
- e = driver.find_element_by_link_text('Privacy Policy')
- a = ActionChains(driver)
- a.move_to_element(e).click().perform()