

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()`