Mouse Actions in Selenium

click() → Performs a single mouse click at the current mouse position.

Syntax: actions.click(WebElement).perform()

click_and_hold() → Clicks (without releasing) at the current mouse location or on the specified element.

Syntax: actions.click_and_hold(WebElement).perform()

move_to_element() → Moves the mouse pointer to the middle of the specified element.

Syntax: actions.move_to_element(WebElement target).perform()

double_click() → Performs a double-click at the current mouse location or on a specified element.

Syntax: actions.double_click(WebElement).perform()

context_click() → Performs a right-click on the current mouse location or a specified element.

Syntax: actions.context_click(WebElement).perform()

drag_and_drop() → Clicks and holds an element, then moves it to a target location, and releases it.

Syntax: actions.drag_and_drop(WebElement source, WebElement target).perform()

drag_and_drop_by_offset() → Clicks and holds an element, moves it by an offset (x, y) from its original position, and releases it.

Syntax: actions.drag_and_drop_by_offset(WebElement source, xOffset, yOffset).perform()

Capture Element Location and Size Methods

location ⇒ element.location

- Retrieves the x and y coordinates of the element as a dictionary.

location['x'] ⇒ element.location['x']

- Retrieves the x-coordinate (horizontal position) of the top-left corner of the web element.

location['y'] ⇒ element.location['y']

- Retrieves the y-coordinate (vertical position) of the top-left corner of the web element.

size ⇒ element.size

- Retrieves the width and height of the web element as a dictionary.

size['height'] ⇒ element.size['height']

- Retrieves the height of the web element.

size['width'] ⇒ element.size['width']

- Retrieves the width of the web element.