Selenium WebDriver: Handling Cookies & Exceptions

An overview of cookie handling methods and common exceptions in Selenium WebDriver

Handling Cookies in Selenium WebDriver

- - add_cookie: Adds a cookie to the current session.

- - get_cookie: Retrieves a cookie by name; returns None if not found.

- - get_cookies: Retrieves all cookies for the current URL.

- - delete_cookie: Deletes a cookie by name.

- - delete_all_cookies: Deletes all cookies for the current URL.

Selenium Exceptions

- If an error occurs during execution, an exception is thrown. Common Selenium WebDriver exceptions include:

ElementNotInteractableException

- Thrown when an element is in the DOM but not interactable.

ElementClickInterceptedException

- Thrown when a click is intercepted by another element.

ElementNotVisibleException

- Thrown when an element is invisible on the page.

ElementNotSelectableException

- Thrown when an element is not selectable.

ImeActivationFailedException

- Thrown when an IME engine activation fails.

ErrorInResponseException

- Thrown when there is a server-side issue.

InsecureCertificateException

- Thrown when encountering an invalid or expired TLS certificate.

InvalidCookieDomainException

- Thrown when adding a cookie under a different domain than the current URL.

InvalidArgumentException

- Thrown when an argument is invalid for a command.

InvalidElementStateException

- Thrown when an element is in an invalid state.

InvalidCoordinatesException

- Thrown when interaction coordinates are invalid.

InvalidSessionIdException

- Thrown when the session ID is invalid or inactive.

InvalidSelectorException

- Thrown when a locator does not yield an element.

MoveTargetOutOfBoundsException

- Thrown when an ActionChains target is out of document bounds.

InvalidSwitchToTargetException

- Thrown when switching to an invalid frame or window handle.

NoSuchAttributeException

- Thrown when an element attribute is not found.

NoAlertPresentException

- Thrown when switching to a non-existent alert.

NoSuchFrameException

- Thrown when switching to a non-existent frame.

StaleElementReferenceException

- Thrown when an element reference is stale.

NoSuchWindowException

- Thrown when switching to a non-existent window.

UnexpectedAlertPresentException

- Thrown when an unexpected alert appears.

UnableToSetCookieException

- Thrown when WebDriver fails to set a cookie.

UnexpectedTagNameException

- Thrown when an unexpected tag is found in a support class.

NoSuchElementException

- Thrown when an element cannot be located using the selector.