WebDriver Advanced Methods

Agenda

1. Checkboxes
2. Radio Buttons
3. Select (dropdown)
4. Mouse Hover
5. Tables
6. Alert Boxes
7. Windows and Tabs

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Checkboxes

Checkboxes are input elements that allow users to select one or more options from a set.

In Selenium, you can interact with checkboxes by locating them using various locators.

You can use methods like `click()` to check or uncheck them. You can verify their state using methods like `isSelected()`.

You can select multiple checkboxes at once.

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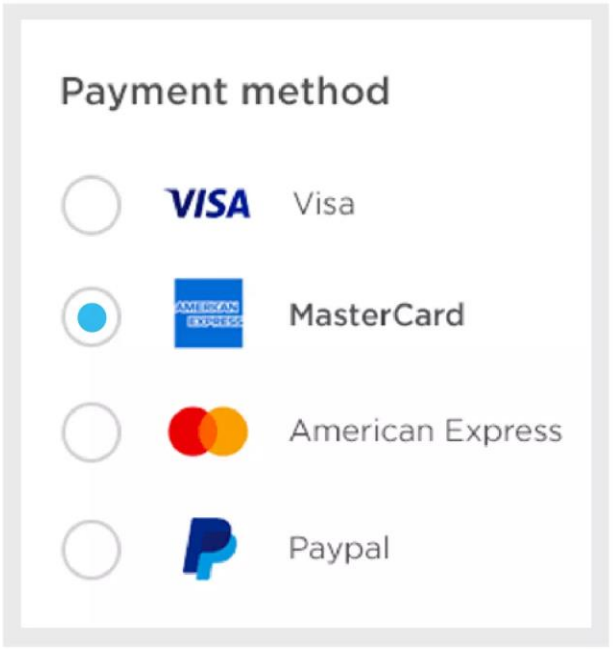
Radio Buttons

Radio buttons are input elements that allow users to select one option from a set.

In Selenium, you can interact with radio buttons by locating them using various locators and then using methods like click() to select them.

You can verify their state using methods like isSelected().



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Select

Select (dropdown) elements allow users to choose one option from a list.

In Selenium, you can interact with dropdowns using the Select class.

You can select options by visible text, value, or index.

You can also retrieve the selected option and all available options.

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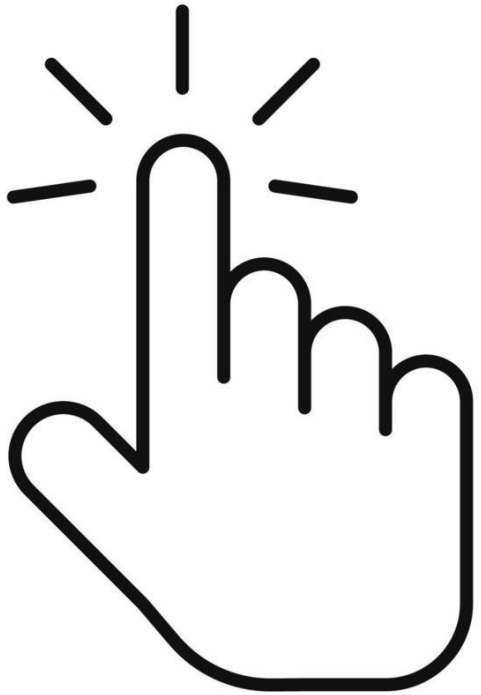
Mouse Hover

Mouse hover is an action where the mouse pointer is placed over a specific element without clicking.

In Selenium, you can perform a mouse hover using the Actions class, which provides the moveToElement() method to move the mouse to the desired element.

This can trigger hover effects like tooltips or dropdowns.



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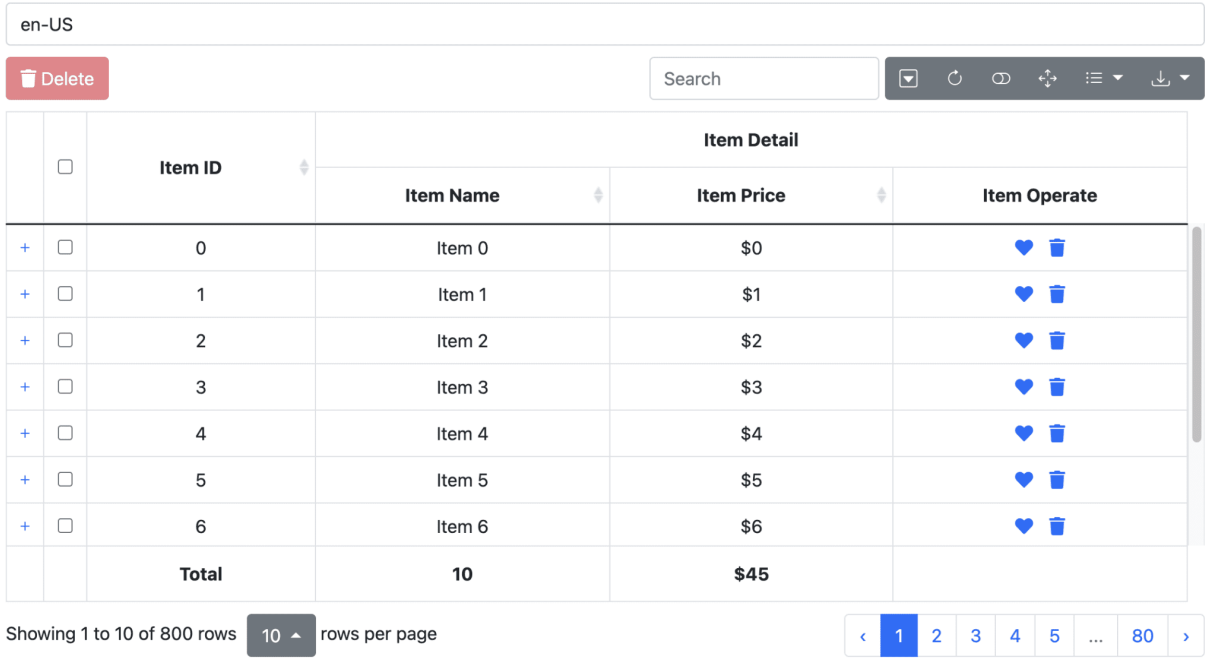
Tables

Web tables are HTML tables used to display data in a tabular format.

In Selenium, you can interact with web tables by locating the table element and then accessing its rows and cells using various locators

You can retrieve data from specific cells, iterate through rows, and perform actions like clicking buttons within the table.



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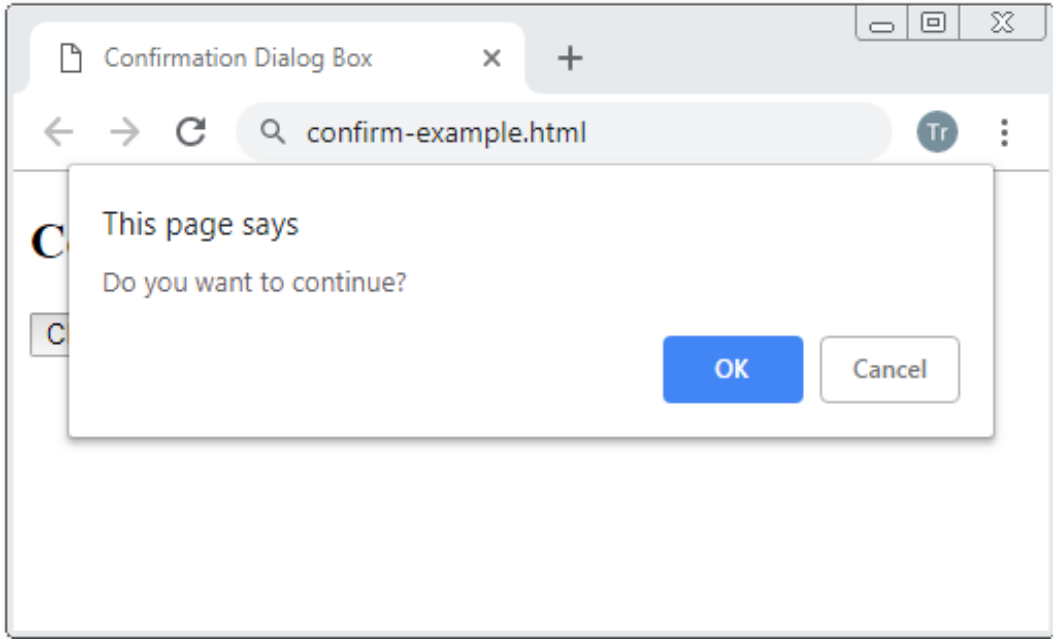
Alert Boxes

Alerts, confirm boxes, and prompt boxes are types of JavaScript pop-ups used to interact with users.



In Selenium, you can handle these pop-ups by switching the driver's focus to the alert using switchTo().alert().

For alerts, you can accept them using accept().

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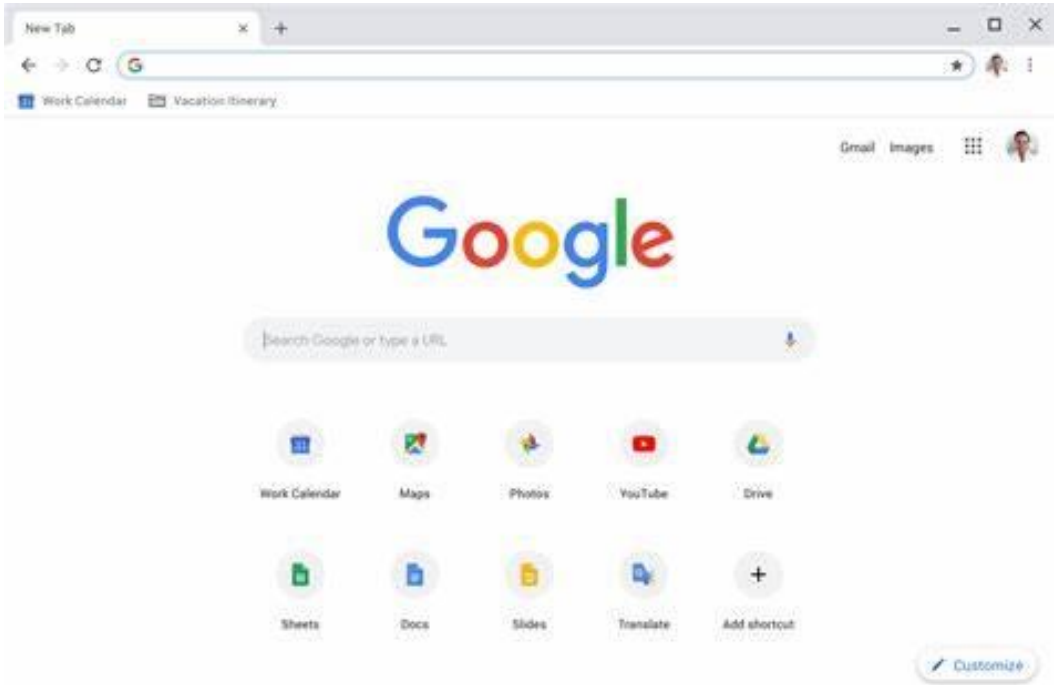
Windows and Tabs

Windows and tabs in a web browser allow users to view multiple web pages simultaneously.

In Selenium, you can interact with windows and tabs by using methods like getWindowHandles() to retrieve all open windows/tabs and switchTo().window() to switch between them.

This enables you to perform actions in different windows or tabs and verify their content.



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Time for Questions

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