**Alerts in Selenium**

Handling alerts in Selenium is an important skill when dealing with web applications that generate alert pop-ups. Here are some notes on how to handle alerts in Selenium using Java, along with examples:

**Introduction to Alerts:** Alerts are pop-up dialog boxes that display messages or require user interaction. They can be used to show information, ask for confirmation, or prompt users to enter data. Alerts can be broadly classified into three types: simple alerts, confirmation alerts, and prompt alerts.

**Handling Alerts in Selenium with Java:**

* **Switching to Alert:** To interact with an alert, you **first** need to switch the WebDriver's focus to the alert.

javaCopy code

Alert alert = driver.switchTo().alert();

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1. **Switching to Alert:** To interact with an alert, you first need to switch the WebDriver's focus to the alert.

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1. **Methods for Alerts:**

**a. Simple Alert:** A simple alert displays a message and has an "OK" button.

* **Accept (Click "OK"):**

alert.accept();

**b. Confirmation Alert:** A confirmation alert displays a message along with "OK" and "Cancel" buttons.

alert.accept();

* **Dismiss (Click "Cancel"):**

alert.dismiss();

**c. Prompt Alert:** A prompt alert displays a message, an input field, and "OK" and "Cancel" buttons.

* **Accept with Text (Click "OK" after providing input):**

alert.sendKeys("Input Text"); alert.accept();

The text you send with **sendKeys** will be entered in the input field of the prompt.

* **Dismiss (Click "Cancel"):**

alert.dismiss();