# Alert & Popup Handling in Selenium WebDriver

**When alert will occur first will Switch To Alert and perform actions**

**Actions**

1. accept
2. dismiss
3. sendKeys

Alert is an interface we van not create an object

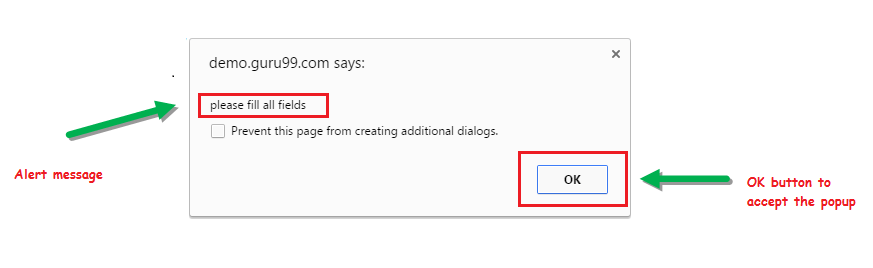
## What is Alert?

Alert is a small message box which displays on-screen notification to give the user information or ask for permission to perform certain kind of operation. It may be also used for warning purpose.

Here are few alert types:

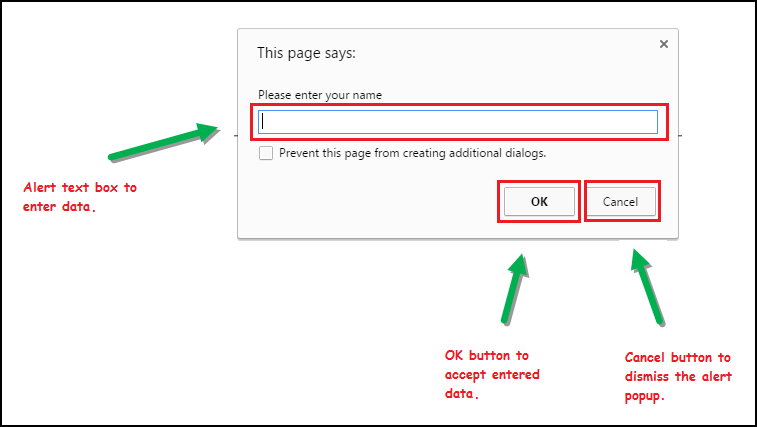
**1) Simple Alert**

This simple alert displays some information or warning on the screen.

[](https://cdn.guru99.com/images/3-2016/032216_1314_AlertPopuph1.png)

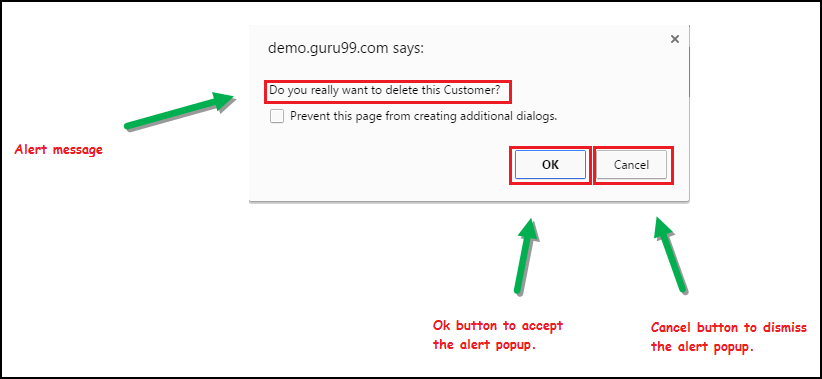
**2) Prompt Alert.**

This Prompt Alert asks some input from the user and selenium webdriver can enter the text using sendkeys(" input…. ").

[](https://cdn.guru99.com/images/3-2016/032216_1314_AlertPopuph2.png)

**3) Confirmation Alert.**

This confirmation alert asks permission to do some type of operation.

[](https://cdn.guru99.com/images/3-2016/032216_1314_AlertPopuph3.png)

## How to handle Alert in Selenium WebDriver

Alert interface provides the below few methods which are widely used in Selenium Webdriver.

1) void dismiss() **// To click on the 'Cancel' button of the alert.**

driver.switchTo().alert().dismiss();

2) void accept() **// To click on the 'OK' button of the alert.**

driver.switchTo().alert().accept();

3) String getText**() // To capture the alert message.**

driver.switchTo().alert().getText();

4) void sendKeys(String stringToSend) **// To send some data to alert box.**

driver.switchTo().alert().sendKeys("Text");

**Characteristics of an Alert**

1. **Mandatory to attend(we can not move to next step when alert occurs)**
2. **Alert can no inspect**
3. **No tag name for Alert**

**Sweet Alert:**

**Sweet alert we can inspect**

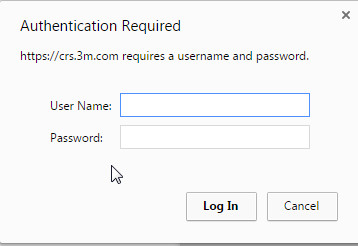
**Example: flipkart one we login into URL it will show a login popup, it’s a sweet alert, we can inspect that.**

**Authentication alert**

Companies have their own proxy settings to access some servers. If you open a server in the browser a popup window will load and force you to enter user credentials to do login to access the server. Even while accessing the same server using selenium script we need to handle the popup before hand accessing the server. If we can’t handle this, we couldn’t do further testing.

driver.switchTo().alert().authenticateUsing(new UserAndPassword("uname", "Password"));

Here is a screenshot of what I am trying to fill in:



driver.Navigate().to("http://UserName:Password@url.‌​com")

or

WebDriverWait wait = new WebDriverWait(driver, 10);

Alert alert = wait.until(ExpectedConditions.alertIsPresent());

alert.authenticateUsing(new UserAndPassword(\*username\*, \*password\*));

**Exceptions handle by alerts:**

1. **UnhandledAlertException**

**Occurs when alert was presented in AUT and not handled**

1. **NoAlertPresentException**

**Occurs when alert was NOT presented in AUT and handled**