

# Handling JavaScript Alerts, Confirmations, and Prompts

This lesson explains three native JavaScript popup messages provided by the WebDriver.

## WE'LL COVER THE FOLLOWING ^

- Alert popup
- Confirm popup
- Prompts

The below example code can be downloaded and run locally; it is included as a part of the Sample UI test framework, [please refer](#).

## Alert popup #

An alert is a custom message with a single button option labeled as OK to dismiss the alert.

See a sample alert for reference.

An embedded page on this page says

Hi! Welcome to Design UI test Automation Framework for Web Applications in Java Course

OK

```
// Create a WebDriver object
WebDriver driver = DriverManager.getWebDriver();

// open the web url
driver.get("http://codetoautomate.com/educative-selenium-demo/");
```



```
// Click the element to activate the alert
driver.findElement(By.id("alert-button")).click();

// Wait for the alert to be displayed and switch to the alert popup
WebDriverWait wait = new WebDriverWait(driver, 30);
Alert alert = wait.until(ExpectedConditions.alertIsPresent());

// close the alert
alert.dismiss();
```

## Confirm popup #

A confirm box is similar to an alert, with ‘Cancel’ and ‘OK’ options.

See a sample confirm box for reference.

An embedded page on this page says

Is this course informative?

Cancel

OK

```
// Create a WebDriver object
WebDriver driver = DriverManager.getWebDriver();

// open the web URL
driver.get("http://codetoautomate.com/educative-selenium-demo/");

// Click the element to activate the alert
driver.findElement(By.id("confirm")).click();

// Wait for the alert to be displayed and switch to the alert popup
WebDriverWait wait = new WebDriverWait(driver, 30);
Alert alert = wait.until(ExpectedConditions.alertIsPresent());

// accept the alert - click OK
alert.accept();

// Click the element to activate the alert
driver.findElement(By.id("confirm")).click();

// Wait for the alert to be displayed and switch to the alert popup
alert = wait.until(ExpectedConditions.alertIsPresent());

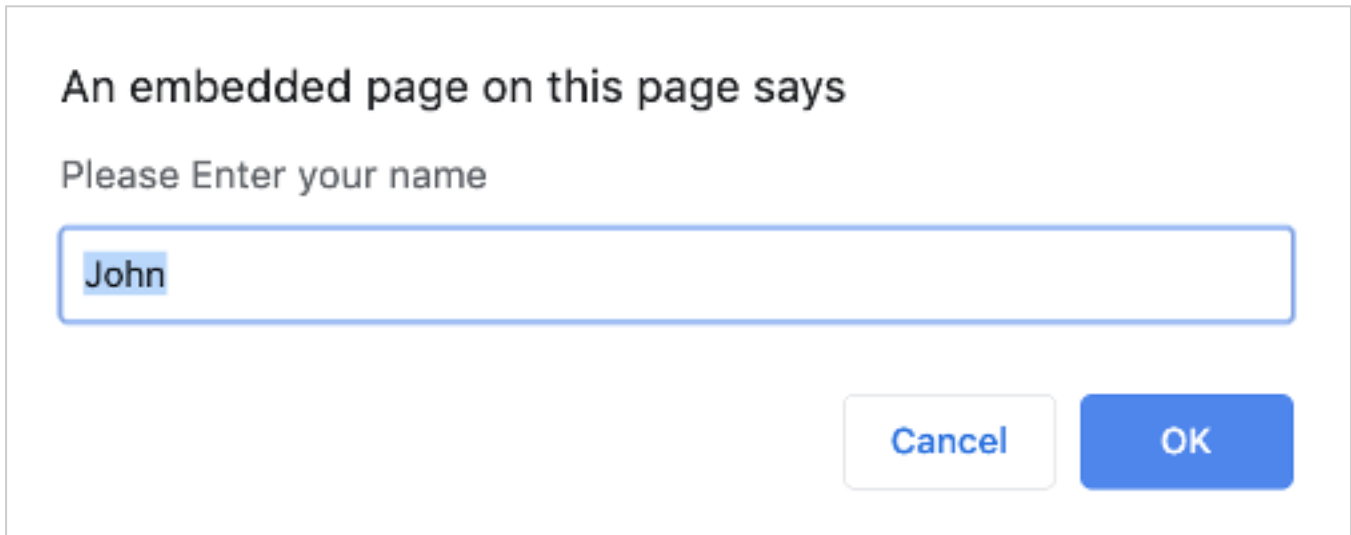
// Cancel the alert - click cancel
alert.dismiss();
```



## Prompts #

Prompts are similar to confirm boxes with ‘Cancel’ and ‘OK’ options, except they take text input. You can use WebDriver’s send keys to type a response.

See a sample Prompt popup for reference.



```
// create a WebDriver object
WebDriver driver = DriverManager.getWebDriver();

// open the web URL
driver.get("http://codetoautomate.com/educative-selenium-demo/");

// Click the element to activate the prompt popup
driver.findElement(By.id("prompt")).click();

// Wait for the alert to be displayed and switch to the alert popup
WebDriverWait wait = new WebDriverWait(driver, 30);
Alert alert = wait.until(ExpectedConditions.alertIsPresent());

// Enter your message/text
alert.sendKeys("John");

// Press the OK button
alert.accept();
```

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Now that you’re familiar with handling prompts and alerts, let’s learn how to handle dropdown, checkbox, and radio buttons.