**Selenium Class**

# Chapter#14 - Browser Window Operations

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## Maximize a browser

During automation, it’s one of the best practices to maximize the browser in the initial phases (or in the @BeforeTest method in case you are using TestNG as the testing framework). The following command can be used to maximize the browser window.

**manage().window().maximize();**

## Minimize a browser

It is used to minimize the browser window before interacting with the web page. Minimizing the window can be useful in certain scenarios, such as when you want to perform background tasks or observe how your web application behaves when the window is not in focus.

**manage().window().minimize()**

## Dimension

The Dimension class in Selenium is part of the org.openqa.selenium package and is used to represent the size (width and height) of an object, typically used to set the size of a browser window.

## Set Window Size

This functionality is useful when you want to set the initial size of the browser window before interacting with a web page. It can be beneficial for testing and automation purposes to ensure that the application is displayed correctly on screens with specific dimensions.

**setSize(new Dimension(1024, 768)):** The setSize method sets the size of the browser window. It takes a Dimension object as an argument, where 1024 is the width in pixels, and 768 is the height in pixels.

**manage().window().setSize(new Dimension(1024, 768));**

## Get Window Size

With this functionality, you are obtaining the current size of the browser window and storing it in a Dimension object named dimension. After retrieving the size, you can use the getWidth() and getHeight() methods of the Dimension class to get the width and height of the browser window, respectively.

**Dimension dimension = driver.manage().window().getSize();**

**int width = dimension.getWidth();**

**int height = dimension.getHeight();**