

SELENIUM

COMMAND CHEATSHEET

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Testing
Mint

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WebDriver Initialization Commands

Create an instance of ChromeDriver to launch a new Chrome browser window.

```
WebDriver driver = new ChromeDriver();
```

Create an instance of FirefoxDriver to launch a new Firefox browser window.

```
WebDriver driver = new FirefoxDriver();
```

Create an instance of EdgeDriver to launch a new Microsoft Edge browser window.

```
WebDriver driver = new EdgeDriver();
```

Create an instance of SafariDriver to launch a new Safari browser window.

```
WebDriver driver = new SafariDriver();
```

Locating Web Elements Commands

Locate a web element using its ID attribute value.

```
driver.findElement(By.id("element-id"));
```

Locate a web element using its name attribute value.

```
driver.findElement(By.name("element-name"));
```

Locate a web element using its class attribute value.

```
driver.findElement(By.className("element-class"));
```

Locate a web element using its tag name.

```
driver.findElement(By.tagName("element-tagname"));
```

Locate a web element using an XPath expression.

```
driver.findElement(By.xpath("xpath-expression"));
```

Locate a web element using a CSS selector.

```
driver.findElement(By.cssSelector("css-selector"));
```

Locate a web element using the exact text of a link.

```
driver.findElement(By.linkText("link-text"));
```

Locate a web element using a partial match of the link text.

```
driver.findElement(By.partialLinkText("partial-link-text"))
```

Interacting with Web Elements Commands

Click the web element.

```
element.click();
```

Send text to the web element(input field)

```
element.sendKeys("text");
```

Get the visible text of the web element.

```
element.getText();
```

Check if the web element is displayed on the page.

```
element.isDisplayed();
```

Check if the web element is enabled.

```
element.isEnabled();
```

Check if the web element is selected.

```
element.isSelected();
```

Navigation Commands

Load the specified URL in the current browser window.(wait till page load)

```
driver.get("URL");
```

Load the specified URL in the current browser window.(does not wait to page load)

```
driver.navigate().to("URL");
```

Navigate back to the previous page in the browser history.

```
driver.navigate().back();
```

Navigate forward to the next page in the browser

```
driver.navigate().forward();
```

Refresh the current page.

```
driver.navigate().refresh();
```

Actions Commands

Create an Actions object.

```
Actions actions = new Actions(driver);
```

Move the mouse to the specified element.

```
actions.moveToElement(element);
```

Perform a click at the current mouse location.

```
actions.click();
```

Perform a double-click at the current mouse location.

```
actions.doubleClick();
```

Perform a right-click at the current mouse location

```
actions.contextClick();
```

Build and perform the sequence of actions.

```
actions.contextClick();
```

Actions Commands...

Drag and Drop element.

```
actions.dragAndDrop(element, target);
```

Drag and Drop element by specified offset.

```
actions.dragAndDropBy(element, xOffset, yOffset)
```

Press down the specific keyboard key.

```
actions.keyDown(Keys key);
```

Release the specific keyboard key.

```
actions.keyUp(Keys key);
```


Browser Commands

Gets the title of the current page.

```
driver.getTitle();
```

Gets the URL of the current page.

```
driver.getCurrentUrl();
```

Close the current browser window.

```
driver.close();
```

Quit the WebDriver session.

```
driver.quit()
```

Maximize the current browser window.

```
driver.manage().window().maximize();
```

Set the size of the current browser window.

```
driver.manage().window().setSize(new Dimension(width, height));
```

Wait Commands

Implicit Wait

```
driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));
```

Gets the URL of the current page.

```
new WebDriverWait(driver,  
Duration.ofSeconds(10)).until(ExpectedConditions.condition);
```

Alert Commands

Accept the currently displayed alert.

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

Dismisses the currently displayed alert.

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

Get the text displayed on the currently displayed alert.

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

Type the specified text into the currently displayed alert.

```
driver.switchTo().alert().sendKeys("text");
```

Dropdown Commands

Create a new instance of Select class

```
Select select = new Select(element);
```

Select the option by visible text.

```
select.selectByVisibleText("optionText");
```

Select the option by value.

```
select.selectByValue("optionValue");
```

Select the option by index.

```
select.selectByIndex(index);
```

Frame and Window Commands

Switch to the specific frame.

```
driver.switchTo().frame(frame);
```

Switch back to the default content.

```
driver.switchTo().defaultContent();
```

Switch to the specific window.

```
driver.switchTo().window(window);
```

Get the handle of the current window.

```
driver.getWindowHandle();
```

Get the handles of all open windows.

```
driver.getWindowHandles();
```

Assertion Commands

Assert that the actual value is equal to the expected value.

```
Assert.assertEquals(actual, expected);
```

Assert that the condition is true.

```
Assert.assertTrue(condition);
```

Assert that the condition is false.

```
Assert.assertFalse(condition);
```

Fail the test with the specified error message.

```
Assert.fail(message);
```

Screenshot Commands

Take a screenshot of the current browser window and save it as a File.

```
File screenshot = ((TakesScreenshot)  
driver).getScreenshotAs(OutputType.FILE);
```

Copy the screenshot to a specified file path.

```
FileUtils.copyFile(screenshot, new File("path/to/screenshot.png"));
```

Cookie Commands

Add a cookie to the current session.

```
driver.manage().addCookie(cookie);
```

Get a cookie with a specific name.

```
driver.manage().getCookieNamed(name);
```

Get all cookies for the current session.

```
driver.manage().getCookies();
```

Delete a cookie with a specific name.

```
driver.manage().deleteCookieNamed(name);
```

Delete all cookies for the current session.

```
driver.manage().deleteAllCookies();
```