Selenium CheatSheet (Java)

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Getting Started

Setting up Selenium WebDriver

```java
WebDriver driver = new ChromeDriver();
System.setProperty(
"webdriver.chrome.driver"
,"path/to/chromedriver"
);
```
.java

Opening of a Web Page

```java
driver.get("http://www.example.com");
```
.java

Finding Elements

```java
WebElement element =
driver.findElement(By.id("elementId"));
```
.java

Clicking on an Element

```java
driver.findElement(By.id("submit
Button")).click();
```
.java

Navigation

Navigate to a URL

```java
driver.navigate()
.to("http://www.example.com");
```
.java

Browser Back and Forward

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

Refreshing the current Page

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

closing the Browser

```java
driver.close();
driver.quit();
```
.java

Advanced Interactions

Executing Javascript

```java
JavascriptExecutor js =
(javascriptExecutor) driver;
js.executeScript("argument[0].click();"
, element);
```
.java

Handling Alerts

```java
driver.switchTo().alerts().accept();
```
.java

Taking Screenshots

```java
File scrFile =
((TakeScreenshot)driver)
.getScreenshotAs(OutputType.FILE);
FileUtils.copyFile(scrFile, new
File("path/to/screenshot.png"));
```
.java

Waiting for Elements

```java
WebDriverWait wait = new
WebDriverWait(driver, 10);
wait.until(ExpectedConditions
.visibilityOfElementLocatedBy
.id("elementId")));
```
.java

Interacting With Elements

Typing Text into Text Fields

```java
driver.findElement(By.id("textField"))
.sendKeys("Some text");
```
.java

get value from Element

```java
String value =
driver.findElement(By.id("element
Id")).getAttribute("value");
```
.java

Clearing Text Fields

```java
driver.findElement(By.id("textField"))
.clear();
```
.java

Selecting from Dropdowns

```java
Select dropdown = new
Select(driver.findElement(By.id(
"dropdown")));
dropdown.selectorByVisibleText("Option
1");
```
.java

Assert and Verification

Assert Title

```java
Assert.assertEquals("expectedTitle",
driver.getTitle());
```
.java

Verifying Element Presence

```java
Boolean isPresent =
driver.findElements(By.yourLocator)
.size() > 0;
```
.java

Verifying Text Present

```java
Assert.assertTrue(driver.findElement(
By.id("elementId")).getText()
.contains("expectedText"));
```
.java

Checking for Element Visibility

```java
Boolean isVisible =
driver.findElement(By.id("elementId"))
.isDisplayed();
```
.java

Handling Cookies

Adding Cookies

```java
Cookie cookie = new Cookie("name",
"value");
driver.manage().addCookie(cookie);
```
.java

Deleting a Specific Cookie

```java
driver.manage()
.deleteCookieNamed("cookieName");
```
.java

Deleting All Cookies
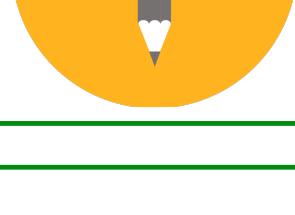
```java
driver.manage().deleteAllCookies();
```
.java

Getting a Cookie Value

```java
String cookieValue = driver.manage()
.getCookieNamed("cookieName").getValue();
```
.java