Web Browser Command

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Agenda

- ❖ WebDriver and ChromeDriver
- ❖ Get
- ❖ Close & Quit
- ❖ Get current URL
- ❖ Get Title
- ❖ Get Window Handle
- ❖ Manage
- ❖ Switch to

WebDriver and ChromeDriver

Import package below to initialize a new web browser:
- import org.openqa.selenium.WebElement;

Import package below to generate Chrome browser:
- import org.openqa.selenium.chrome.Chromedriver;

Config driver location:
System.setProperty("webdriver.chrome.driver","<file path>");
System.setProperty("webdriver.chrome.driver",".\\drivers\\chromedriver.exe");

Define Chrome browser:
WebDriver driver = new ChromeDriver();

Get

get method loads a new web page and navigate to url:

Syntax: driver.get("url");

Example: driver.get("https://www.google.com/");

Close & Quit

close method use to close the current tab, quit method use all tabs as well as the browser itself :

Syntax:
- driver.close();
- driver.quit();

Get current URL

getCurrentUrl method use to get the url of current tab:

Syntax: driver.getCurrentUrl();

Example: Navigate to http://172.20.123.95:7001/oceans/nawlogon.do ->
Login
String curUrl = driver.getCurrentUrl();
System.out.println(curUrl);

Result: http://172.20.123.95:7001/oceans/webfw/html/nawmain.html

Get Title

Get method use to get the title of current tab:

Syntax: driver.getTitle();

Example: Navigate to http://172.20.123.95:7001/oceans/nawlogon.do ->
Login
String title = driver. getTitle();
System.out.println(title);

Result: ALLEGRO

Get Window Handle

getWindowHandle method use to get the id of activated tab:

Syntax:
- driver.getWindowHandle();
- driver.getWindowHandles();

Manage

manage method use to manage interface:
- Window
- Timeouts
- Navigate

Manage

- Window method to manage browser window:

Syntax:

- Use to open maximize the browser.
- driver.manage().window().maximize();

- Use to open set browser to fullscreen mode(F11).
- driver.manage().window().fullscreen();

Manage

-Timeouts method use to wait for browser do something completely in…time
:

Syntax:

- Wait for page loading in 30 seconds.
- driver.manage().timeouts().pageLoadTimeout(30, TimeUnit.SECONDS);

Manage

-Navigate method use to navigate base on history:
Syntax:
- driver.manage().navigate().back();
- driver.manage().navigate().forward();
- driver.manage().navigate().refresh();
- driver.manage().navigate().to("url");

Manage

-Switch to method use to focus on special element(Alert, frame/Iframe, Window/Tab):
Syntax:
- driver.switchTo().alert();
- driver.switchTo().frame();
- driver.switchTo().defaultContent();
- driver.switchTo().window("");

Q/A?