Cheatography

Selenium WebDriver Cheat Sheet Cheat Sheet
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Driver Initialization

Firefox (*Below v.47*)Refer Part2-Page58	System.setProperty("webdriver.gecko.driver", "PathTo\\geckodriver.exe");
Download from https://github.com/mozilla/geckodriver/releases	WebDriver driver = new FirefoxDriver();
Chrome Refer Part2-Page59	System.setProperty("WebDriver.chrome.driver", System.getProperty("user.dir")+"//BrowserDrivers//chromedriver.exe");
Download from https://sites.google.com/a/chromium.org/chromedriver/downloads	WebDriver driver = new ChromeDriver();
Internet Explorer Refer Part2-Page59	System.setProperty("WebDriver.ie.driver", "PathTo//IEDriverServer.exe");
Download from The Internet Explorer Driver Server at http://docs.seleniumhq.org/download/	WebDriver driver = new InternetExplorerDriver();

Selenium Locators

Locating by ID Refer Part2-Page37	driver.findElement(By.id("q")).sendKeys("Selenium 3");
Locating by Name Refer Part2-Page37	driver.findElement(By.name("q")).sendKeys("Selenium 3");
Locating by Xpath Refer Part2-Page37/38	driver.findElement(By.xpath("//input[@id='q']")).sendKeys("Selenium 3");
Locating Hyperlinks by Link Text Refer Part2-Page38/39	driver.FindElement(By.LinkText("edit this page")).Click();
Locating by DOM Refer Part2-Page39	dom =document.getElementById('signinForm')
Locating by CSS Refer Part2-Page40-43	driver.FindElement(By.CssSelector("#rightbar > .menu > li:nth-of-type(2) > h4"));
Locating by ClassName Refer Part2-Page37	driver.findElement(By.className("profile-header"));
Locating by TagName Refer Part2-Page37	driver.findElement(By.tagName("select")).Click();

Selenium Locators (cont)

Locating by LinkText Refer Part2-Page37-40	driver.findElement(By.linkText("NextPage")).click();
Locating by PartialLinkText Refer Part2-Page37-40	driver.findElement(By.partialLinkText("NextP")).click();

Selenium Exceptions

'Server Exception : sessionId should not be null Refer Part2-Page160	Replace Chrome Driver with Latest Version
ERROR: No sessionId provided Refer Part2-Page160	Use Jenkins
UnreachableBrowserException Refer Part2-Page160	Registry Key Changes Recommended
Illegal state exception using Selenium 3 Refer Part2-Page161	Get latest Firefox Gecko Driver

Annotations

TestNG	@BeforeSuite @AfterSuite @BeforeTest @AfterTest @BeforeGroups @AfterGroups @BeforeClass @AfterClass @BeforeMethod @AfterMethod
JUnit	@After @AfterClass @Before @BeforeClass @Ignore @Test

Practice Scripts

Launch Webpage Refer Part2-Page60	driver.get("www.webdriverinselenium.com");
Click Button Refer Part2-Page60	driver.findElement(By.id("submit")).click();
Store Text Refer Part2-Page60	String txtDropdown = driver.findElement(By.ID("select")).getText();
Enter Text Refer Part2-Page61	driver.findElement(By.xpath("//input[@name='FirstName034']")).sendKeys("NarayananPalani");
Handle Alert Refer Part2-Page62	Alert Alertpopup = driver.switchTo().alert();
(Mouse)Click Refer Part2-Page62	driver.findElement(By.xpath("//input[@value='OBJECTNAME']")).click();
Compare Text Refer Part2-Page64	Assert.assertTrue(chkbox12.isSelected());

Practice Scripts (cont)

Disable a Field Refer Part2-Page64	driver.getElementsByName('<ObjectID>')[0].setAttribute('disabled', '');
Enable a Field Refer Part2-Page64	driver.getElementsByName('<ObjectID>')[0].removeAttribute('disabled';
ScreenshotRefer Part2-Page64	File snapshot = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);
	FileUtils.copyFile(snapshot, new File("C:\\screenshot.jpg"));
Print the Title of the Page Refer Part2-Page68	String pagetitle = driver.getTitle();
	System.out.print(pagetitle);
Implicit Wait Refer Part2-Page69	driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
Explicit Wait Refer Part2-Page70	WebDriverWait wait = new WebDriverWait(driver, 20);
	wait.until(ExpectedConditions.textToBePresentInElementLocated(By.xpath("//div[@id='<Object ID>']"), "Enter Your Personal Details"));
Fluent Wait Refer Part2-Page70	Wait wait = new FluentWait(driver)
	.withTimeout(20, SECONDS)
SleepRefer Part2-Page70	Thread.Sleep(10);