

SELENIUM WEBDRIVER CHEATSHEET

Driver Initialization	
Firefox <i>(Below v.47)</i> ^{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")+"//Browse rDrivers//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();

Selenium Locators (cont)	
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();
Locating by LinkText ^{Refer Part2-Page37-40}	driver.findElement(By.linkText("NextPage")).click();
Locating by PartialLinkText ^{Refer Part2-Page37-40}	driver.findElement(By.partialLinkText("NextPage")).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

Selenium



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

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Practice Scripts	
Launch Webpage ^{Refer} Part2-Page60	driver.get("www.raghava.uk");
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} er 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';
Screenshot ^{Refer} er Part2-Page64	File snapshot = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE); FileUtils.copyFile(snapshot, new File("C:\\snapshot.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)
Sleep ^{Refer} Part2-Page70	Thread.Sleep(10);

Selenium Automation Framework using Java		
Java	Refer Part1-Page74	http://www.oracle.com/technetwork/java/javase/downloads/index.html
Java Configuration	Refer Part1-Page75	JAVA_HOME,PATH
Eclipse IDE	Refer Part1-Page79	http://eclipse.org/downloads/
Excel Data Driven Capability	Refer Part1-Page88	http://archive.apache.org/dist/poi/release/bin/
Logging Capability-Log4J	Refer Part1-Page90	http://logging.apache.org/log4j/1.2/download.html
Selenium	Refer Part1-Page92	http://docs.seleniumhq.org/download/
HTML/Email Reporting-XSLT Report	Refer Part1-Page93	http://mvnrepository.com/artifact/net.sf.saxon/saxon/8.7
Ant Build Capability	Refer Part1-Page93	http://ant.apache.org/antlibs/bindownload.cgi
Maven	Refer Part1-Page126	http://download.eclipse.org/technology/m2e/releases
TestNG-Test Execution Capability	Refer Part1-Page102	http://beust.com/eclipse
Cucumber	Refer Part1-Page204	https://cucumber.io/cucumber-eclipse/update-site

Cheat Sheet Book Reference		
Software Automation Testing Secrets Revealed		https://www.amazon.com/Software-Automation-Testing-Secrets-Revealed/dp/9383952954/
Selenium WebDriver: Software Automation Testing Secrets Revealed Part 2		https://www.educreation.in/store/selenium-web-driver-software-automation-testing-secrets-revealed-part2-narayanan-palani.html

Software Automation Testing Secrets Revealed

Software Automation Testing Secrets Revealed

Narayanan Palani

Very First Book on Machine Learning Technology using Selenium Automation Testing

Reviewed by 34+ IT Industry Experts

Examples and Industry Best Practices are included

Author is an experienced 4.5 rated Corporate Trainer in Test Automation

★★★★★

Part 1:

Automate Software Applications using Selenium Web Driver using Java, Selenium Web Driver using Dot Net, Selenium IDE, AutoIt, Cucumber, Specflow, BDD, TDD, Jenkins, NUnit, ReportUnit, XSLT Reporting, Maven, Jason Phantom Ghost Driver, TestNG, JUnit, Ant, Eclipse, Team Foundation Server, Visual Studio, HP Unified Functional Testing (formerly Quick Test Professional), Ranorex, IBM Rational Functional Test, Excel VBA Automation, Excel Objects Automation, SOA Testing-SOAP UI Automation, ETL Testing and SQL Testing for Agile-Continuous Integration with;

Sample Projects to download and practice on specific chapters!

SeleniumWebDriver

SOFTWARE AUTOMATION TESTING SECRETS REVEALED PART 2

SELENIUM WEBDRIVER

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To learn about software-testing job opportunities and practice with sample scripts on how to automate software applications using Selenium Webdriver, TestNG, JUnit, Cucumber BDD within Eclipse-based Java Projects and build an extensive Data Driven Automation Framework that consists of Screenshot capability, Log4J Integration, XSLT Reporting, Parameterisation, Object Repositories, Excel Sheets-based Data Input/Outputs, Cross Browser Tests using Firefox, Chrome and Internet Explorer, this book is an unmatchable one. You can also enhance tests with Page Object Model, Reuse Selenium IDE scripts to Load Testing using JMeter!