Selenium CHEAT SHEET

Driver Initialization Basics

Firefox

WebDriver driver = new FirefoxDriver();

ChromeInternet Explorer

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

Safari Driver

WebDriver driver = new InternetExplorerDriver();

Driver Initialization Advanced

• Load Firefox from different location:

System.setProperty("webdriver.firfox.bin","path/to/firfox/binary");
FirefoxProfile fp= new FirefoxProfile();

Load Firefox addons:

File file=new File("path/to/extension.xpi"); fp.addextension(file)

Selenium Locators

Locating by ID

driver.findElement(By.id("q")).sendKeys("Se lenium 3");

Locating by Name

driver.findElement(By.name("q")).sendKeys ("Selenium 3");

Locating by Xpath

driver.findElement(By.xpath("//input[@id='q']")).sendKeys("Selen
ium 3");

• Locating Hyperlinks by Link Text

driver. Find Element (By.Link Text ("edit this page")). Click ();

Locating by DOM

dom =document.getElementById('signinForm')

Locating by CSS

driver.FindElement(By.CssSelector("#rightb ar >.menu>li:nth-of-type(2)> h4"));

Locating by ClassName

driver.findElement(By.className("profileheader"));

Locating by TagName

driver.findElement(By.tagName("select")).C lick();

Locating by LinkText

driver.findElement(By.linkText("NextP age")).click();

Locating by PartialLinkText

driver.findElement(By.partialLinkText(" NextP")).click();

Selenium Navigators

Navigate to url

driver.get("http://newexample.com")
driver.navigate().to("http://newexample.com")

Refresh page

driver.navigate().refresh()

Navigate forwards in browser history

driver.navigate().forward()

 Navigate backwards in browser history driver.navigate().back()

TestNG

@BeforeSuite @AfterSuite @BeforeTest @AfterTest @BeforeGroups @AfterGroups @BeforeClass @AfterClass @BeforeMethod @AfterMethod

JUNIT

@After @AfterClass @Before @BeforeClass @Ignore @Test

Windows

String handle=driver.getWindowHandle(); Set<String> handles = getWindowHandles(); driver.switchTo().window(handle);

• How to switch to newly created window

String curWindow=driver.getWindowHandle();

• Get all window handles

Set<String> handles = getWindowHandles();
for(string handle: handles)
{
 if (!handle.equals(curWindow))
 {
 driver.switchTo().window(handle);
 }
}

Frames

- Using Frame Index: driver.switchTO().frame(1);
- Using Name of Frame: driver.switchTo().frame("name")
- Using web Element Object: driver.switchTO().frame(element);
 Get back to main document: driver.switchTO().defaultContent();

Operations

- Launch Webpage
- Click Button
- Handle Alert
- Disable a Field
- . Parling and
- Print Title of Page
- Implicit Wait
- driver.get("www.webdriverinselenium.com"); driver.findElement(By.id("submit")).click(); Alert Alertpopup = driver.switchTo().alert(); driver.getElementsByName(") [o].setAttribute('disabled',''); driver.getElementsByName(") [o].removeAttribute('disabled'; Screenshot.File snapshot=((TakesScreenshot)driver) .getScreenshotAs(OutputTypeFILE); FileUtils.copyFile(snapshot, newFile("C:\\screenshot.jpg")); String pagetitle = driver.getTitle(); System.out.print(pagetitle); driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS); Explicit Wait WebDriverWait wait=new WebDriverWait(driver,

Alerts

Thread.Sleep(10);

driver.switchTO().alert.getText();
driver.switchTO().alert.accept();
driver.switchTO().alert.dismiss();
driver.switchTO().alert.sendKeys("Text");

Selenium Grid

- Start hub: java-jar selenium-server- standalone-x.xx.x.jar-role hub
- Start node: java-jar selenium-server- standalone-x.xx.x.jar-role node-hub
- Server: http://localhost:4444/grid/console



FURTHERMORE: Selenium Testing Training