SELENIUM
CHEAT SHEET

Driver Initialization Basics

- **Firefox**   WebDriver driver = new FirefoxDriver();
- **Chrome**   WebDriver driver = new ChromeDriver();
- **Internet Explorer**   WebDriver driver = new SafariDriver();
- **Safari Driver**   WebDriver driver = new InternetExplorerDriver();

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
  ("Selenium 3");
- **Locating Hyperlinks by Link Text**
  driver.FindElement(By.LinkText("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()

Test NG

@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();

Alerts

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

Operations

- **Launch Webpage**   driver.get("www.webdriverinselenium.com");
- **Click Button**   driver.findElement(By.id("submit")).click();
- **Handle Alert**   Alert Alertpopup = driver.switchTo().alert();
- **Disable a Field**   driver.getElementsByName(")
                          [0].setAttribute('disabled','');
- **Enable a Field**   driver.getElementsByName(")
                          [0].removeAttribute('disabled'; Screenshot.File
                          snapshot=((TakesScreenshot)driver)
                          .getScreenshotAs(OutputTypeFILE);
                          FileUtils.copyFile(snapshot,
                          newFile("C:\\screenshot.jpg"));
- **Print Title of Page** String pagetitle = driver.getTitle();
                          System.out.print(pagetitle);
- **Implicit Wait**   driver.manage().timeouts().implicitlyWait(10,
                          TimeUnit.SECONDS); Explicit Wait
                          WebDriverWait wait=new WebDriverWait(driver,
                          20);
- **Sleep**   Thread.Sleep(10);

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   IntelliPaat