Selenium notes

1. For Webdriver we use **import** org.openqa.selenium.WebDriver;
2. For FireFox **import** org.openqa.selenium.firefox.FirefoxDriver;
3. Use GET to open URL
4. Webdriver is an interface , d is an object, Webdriver has some in build mwethod/function, after new is classnema
5. Override is display bcos parentas well as having same method
6. Make webdriver as glov=bal and use for diff browser,
7. Total 8 locators
8. ID
9. Name
10. XPATH
11. CSS Value
12. Linkedtext: to find the link from
13. Tagname: are HTML document element
14. Partial LinkedText: to find particular words linkes, find I related or started from I websites/multiple list
15. Classname
16. To maximize th URL

dr.manage().window().maximize();

1. To find/return one element use findelement
2. To return multiple elements use findelements
3. To send data use Sendkeys
4. Synchronization(time)
5. Explicit:
6. Thread.sleep : haults the script to particular time(pause) and start remaining execution: need to apply for each element
7. WebDriverWait wait = new WebDriverWait(d,10);

Wait.until(xpectedConditions.presentceOfElementLocated(By.Id(“”))).sendkeys(“”);

Wait.until(xpectedConditions.elementtobeclickable (By.Id(“”))).sendkeys(“”);

1. Implicit : d.manage().timeouts().implicitlyewaits(20, TimeUnit.SECONDS); : no need to hault the script for particular time, if find the element or loads that element, no need to stop upto given time, can start after element found.: No need to apply for each element
2. Dropdown

Use Select method

SelectByValue, SelectbyIndex, SelectByVisisble

1. Action is interface, Actions is a class, it is used for mouse events
2. Contectkey is used for right click
3. Diff bet Build ad Perform
4. Javascript windowa can be handled using
5. getwindowhandle() is a string, getwindowhandler is a set
6. hnd is a child handle is parent
7. create class FILE to send data from Properties File
8. how to create XPATH(XML path)

Diff 1.Relative Absolute

// /

2.Starts from anywhere, exact jump If any code changes it is not usefull(starts from root)

Syntax: //tagname[@attributename=attributrvalue]

Ex:

input id="pass" class="inputtext" type="password" data-testid="royal\_pass" tabindex="2" name="pass"/>

1: //input[@class='inputtext']

2. AND ex : //input[@id='pass' and @name='pass']

Ex:

input id="email" class="inputtext" type="email" data-testid="royal\_email" tabindex="1" value="apurva.kulkarni1989@gmail.com" name="email"/>

1. All ex: //\*[@class='inputtext'and@name='email']

Ex:

<a href="https://www.facebook.com/recover/initiate?lwv=111">Forgotten account?</a>

1. //a[@href="https://www.facebook.com/recover/initiate?lwv=111"]
2. Text ex: //a[text()='Forgotten account?']
3. Contains ex: //a[contains(text(),'account')]

External Data Source

1. Property file
2. Excel file: a. .xls=jxl, b. .xlsx=POI
3. XML file - TestNg
4. Data provider-TestNg

getsheetAt is used to give the name of worksheet(sheet1)

if we are using for loop for excel, then possibility of excel corruption increases

TestNG

Tcs run alphabetically by default

Give priority

Dependsonmethod is used to run before another method before currunt method

beforeSuite

beforeTest

beforeClass

beforeMethod

I am TestCase1

afterMethod

beforeMethod

I am TestCase2

afterMethod

beforeMethod

I am TestCase3

afterMethod

afterClass

afterTest

PASSED: test1

PASSED: test2

PASSED: test3