पासपोर्ट

PASSPORT

भारत गणराज्य

REPUBLIC INDIA

Validity period

Duration of stay

VISA BNL6319597

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VANAF DU FROM	25-06-04	TOT AU UNTIL	24-09-04
AANTAL BINNENKOMSTEN NOMBRE D'ENTREES NUMBER OF ENTRIES	MULT	DUUR VAN HET VERBLIJF DUREE DE SEJOUR DURATION OF STAY	XXX DAGEN JOURS DAYS
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OP LE ON	25-06-04	PASPOORTNUMMER NUMERO DE PASSEPORT NUMBER OF PASSPORT	G09818831
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BIJZONDERHEDEN REMARQUES REMARKS	REPORT HPP EINDHOVEN 2704287898 AMBASSADE PEKING/ M.D.J. TER BRAAK 25-06-04 50,00 EUR		

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Name of Passenger

Number of Entries

Your Passport Number

United Kingdom of Great Britain and Northern Ireland

Passport No./Passport No
094612751

Passport
Passeport

Type/Type
P

Code of Issuing State/Code de l'État émetteur
GBR

Surname/Nom (1)
BOND

Given names/Prénoms (2)
JAMES

Nationality/Nationalité (3)
BRITISH CITIZEN

Date of birth/Date de naissance (4)
13 APR /AVR 68

Place of birth/Lieu de naissance (6)
BERLIN

Sex/Sexe (5)
M

Date of issue/Date de délivrance (7)
16 FEB /FEV 06

Date of expiry/Date d'expiration (9)
16 FEB /FEV 16

Authority/Autorité (8)
UKPA

Holder's signature/Signature du titulaire (10)
James Bond

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0946127513GBR6804130M1602168

What is a window?

Each browser or the tab is called window

No tab concept in WebDriver (Everything is a window)

Google, Facebook and Twitter is a Tab
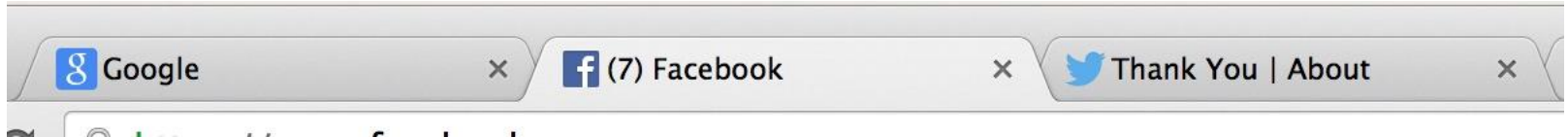
How to move to specific window?

To move to a specific window, we need to know something unique about the window

- Title / URL of two windows will be same

Web driver uses unique identifier called to handle each window

Using that window handle, we can move to specific window

How does Selenium moves?

Selenium webdriver moves to a specific window using the window handle

Syntax to move

driver.switchTo().window(winHandle);

How to know the window handle?

How to find window handle?

We cannot find the window handle directly

So, use getWindowHandles() method to find all the windows opened by Selenium webdriver now

driver.getWindowHandles();

Note: Webdriver cannot communicate with manually opened or previously opened browsers.

GetWindowHandles

java.util.Set<java.lang.String> getWindowHandles()

Return a set of window handles which can be used to iterate over all open windows of this WebDriver instance by passing them

Returns:

A set of window handles which can be used to iterate over all open windows.

Set<String> wHandles = driver.getWindowHandles();

Set vs List

Features	Set	List
What it is?	Collection with no duplicates and unordered	Ordered Collection and can allow duplicates
Example	getWindowHandles() returns unique unordered collection (Set)	findElements() returns ordered collection (List)
Null	Only one Null allowed	Multi Null allowed (as duplicated allowed)

TestLeaf
Always Ahead

For each in Java

Syntax:
for (type item: iterableCollection)
{   // every time, the loop iterates -> the next item in the collection
is   accessible
}

Set<String> winHandles = driver.getWindowHandles();

for (String winHandle : winHandles){
          // winHandle will have the handle of each browser in sequence
}

Sample Code

String parentHandle = driver.getWindowHandle(); // get the current window handle

for (String winHandle : driver.getWindowHandles()) {
    driver.switchTo().window(winHandle); // switch focus of WebDriver to the next found window handle (that's newly opened window)
}

driver.switchTo().window(parentHandle); // switch back to the original window

Close vs Quit

Close() – closes the browser or page currently which is having the focus.

Quit() – shut down the web driver instance or destroy the web driver instance (Close all the windows)

Recap

What is a window?

How Selenium identifies a window?

Syntax to move to a window

Set vs List

Close vs Quit

KEEP IN TOUCH WITH US

WE ARE HERE TO ASSIST YOU

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