DATE 23/12/18

O. What is synchronisation & how to synchronize web driver?

The process of matching speed of application is called as 'synchronisation.

We can synchronise web driver in

1> By using implicit wait

2) By using explicit wait

1 Implit wait-

- It myill make web driver to wait till

the specified element is identified

Within given timeout.

- If the element is not getting identified in a given time internal, then it will throw an exception ("No such element exception")

Unit

driver manage (). timeaut () implicitly Wait (30, Timeout Searchs)

Ref of Refor Refor Abstract Predictined Constant
Webdiver options options method of class in definedir
interface interface interface Timeout java time unit

\*> Explicit wait-

This will make webdriver till the specified duration or till the expected condition is given

result as pass or fail in the given time interval.

- In explicit wait, we have 8 different types of waits

(2000) This is not recommended

Thread. Sleep (long args) > to use frequently.

ii) webdriver wait

Webdriver wait >

III) Flyent Wait

as we can specify the expected condition for required elements But it can be applied only for specified element.

- Explicit wait gives better options than
Implicity wait as it will wait for dynamically
loaded giax elements.

instance of webdriver wait class by passing webdriver reference & the time unit as an argument to its constructor.

method, the argument should be experted conditions. Those conditions can be

Web Driver Wait = new Web Driver Wait (driver, 20); wait until (Expected Conditions elements Tope clickable (By. css Selector (" logout ")));

- 1) alent Is Present ()
- 2) element Selection State To Bel)
- 3) element To Be Clickable ()
- 4) clement ToBe Selected ()
- t) frame ToBe Available And Switch To It ()
- 6) Invisibility of The Element Located ()
- \_\_\_\_ With Text ()
- presence Of All Elements Located By ()
- Elements Located ()
- 10) text Tope Present In Element ()
- Located ()
- Value () 12)
- 13) title Is ()
- 14) title Contains ()
- 15> Visibility Of ()
- 9 All Elements ()
- 17) Located By ()
- Visibility of Flement Located ()

Retriving Value from the Application -- while doing validation, we compare expected

result & actual result & then we will report the status.

- Acutual result will be taken from the applo during runtime in order to do this we use folloling imp method-

i) get Title()

ii) get Current UrL ()

iii) get attribute () ->

This method will help us to retaine the Kleb element attribute value based on attribute name

Kleb Flement user Name Field = driver find Element (By id (" username");

String placeHolder = usermanefield.getAttribute C" Place Holder");

S.O.P (" PlaceHolder is: "+ placeHoldes);

S.O.P ("Place holder is: "+ driver. find Element (By.td ("username")) get Attribute (" Placeholder "));

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to verify a button color, text color or find style against css property.

Web Flement btn = driver. find Element (By.id (" login Button")

S.O. P ("btn color:" + btn. get css value ("Background")

## OR

S.O.P. ("btn color:" + driver. find Element (By id (" login Button")). get Css Value ("background"));

Result Functions ReturnType T = displayed is Displayed O boolean F > Not displayed

is Enabled () boolean T -> enable F -> disable

T -> selected is selected () boo lean F -> Not selected

This method is useful when we ned

css attribute value based on attribute

4) get Text ()

<a> inner text </a>

(span) = </span>

(div)

OR

3) get Css Value ()

name.