Xpath

Login scenarios

Synchronization

WebElements

Locators

1.id

2.name

3.linktext

4.partiallinktext

5.tagname

6.classname

7.css selector

Tgname[AN=’AV’]

8.xpath

2+x=6

x-🡪unknow value

identify the unknow value

<div>login</div>

2 types of xpath

1.Absloute xpath🡪(/)

(Length of the expressions to big)

2.Relative xpath--🡪(//)

//-🡪traversing from parent to any child

1.Xpath by attributes

Syntax: //tagname[@AN=’AV’]

@-🡪Search of the element all the direction

Drawabcks

1.Does not support text

2.Multiple attributes are matching with the same value

Us-🡪 <input type=”text”>

Pwd🡪<input type=”text”>

2.Xpath By text()

Syntax: //tagname[text()=’Visible text’]

<div>submit<div>

//div[text()=’sumbit’]

Drawback

1.length of the text is big with spaces

2.length of the text is big

3.Xpath By contains()

1.handle spaces between the text

2.Handle partially changing elements

Syntax: //tagname[contains(text(),’TV’)]

//tagname[contains(@AN,’AV’)]

4.Handle dynamically changing elements

Xpath by traversing/Independent or dependent xpath

Steps

1.Identiy the static element and write the xpath expression

2.Identify the common parent

/-🡪parent to immediate child

//🡪parent to any child

/..-->child to parent

3.Identify the dynamically changing element

4.write the tagname with position value

Xpath group index

(xpath)[position value]

What is synchronization

“the process of matching selenium speed with application speed “

Types of synchronization

1.Implicitly

2.Explicitly

3.Thread.sleep()--🡪java blind wait

Implicitly wait

Syntax:

Driver.manage().timeouts.implicitlywait(3,Timeunits.Sec);

Explicitly wait

WebDriverwait w=new WebDriverWait(driver,3)’

w.until(Exceptedconditions.

1.elementtobeclickable

2.visbilityof theelement

3.containstitle