Selenium

Components and architecture

Selenium automation tool

Selenium automates browsers

Open sourse

All languages

Platform independent

It support all browsers

Large communite to help develpers

Component of selinium

Selenium rc(remotecontrol)

Selenium ide(rototypr testing)

Selenium webdriver(write code)

selenium grid(test paralely)

Running

Create project

Add src file

Add package

Add class

Locatoresdetectors it uses to identify web elements like id class tag name link name, partial link test, css,xpath

Demo.guru99.com/v4/

Usecredentials

Add new package

Guru99

Add class name guru99.java

Find any name of locters

Interface variable=driver .fin element (by.name(“uid”));

Usernameelemenr.sendkeys(“mzebzfjzhb”)

Add more class to execute demoguru99mainmethod

Different form application

Lintesxt

Partial linktest

<a href=”addcostumer.php”>new customer</a>

Driver.findelement(byname””()).sendkeys(“cds”);

Xpth

🡪it is used to reach node or web element in an html page

absalutexpath

/html/body/table/tbody/tr/td/table/tbody/tr[5]/td[2]/input[2]

Breakes hen changesin rows

Relative xpath

//input[@value=’m’]

Identify dynamic web elements

Vaues can be identifies

//table[@id=’customer’/tbody]/tr[4]/td[2]

Searching stable name

Syncronisation

Loading

Implicet wait

Explicit wait

Fluentwait

Page load time out

Driver.manag().timeouts().pageloadtimeout(60,time.SECONDS)

THROWS TIME OUT EXCEPTION

MOUSE CLASS ADD FLIPCART

IMPLICIT WAIT

APPLIES ALL ELEMENTS ELEMENTS SHOULD BE PRESENT WAIT FOR ELEMENT TO APPER ON SCREEN

Driver.manag().timeouts().IMPLICITWAIT60,time.SECONDS)

MOUSEHOVEER

EXPLICIT WAIT PARTICLAR WEB ELIMENTS

UTIN; PACKAGE

CLASS WAIT UTILS