Selenium Suite :-

Test Suite → collection of TCs

collection of Selenium Components

versions

3 Sel1 :- SelIDE, SelRC(Remote Control), Sel Grid

4 Sel2 :- SelIDE, Sel-RC, SelWebDriver, Sel Grid

Sel3, Sel4 :- SelIDE, Sel WebDriver, Grid

(I) Sel IDE :- play & record tool ;

- Earlier it was only available for FF browser in the form of extension
- But Now it also available for chrome.
-

[20-30%] use

Adv

- easy to use
- get auto generate script in various lang.

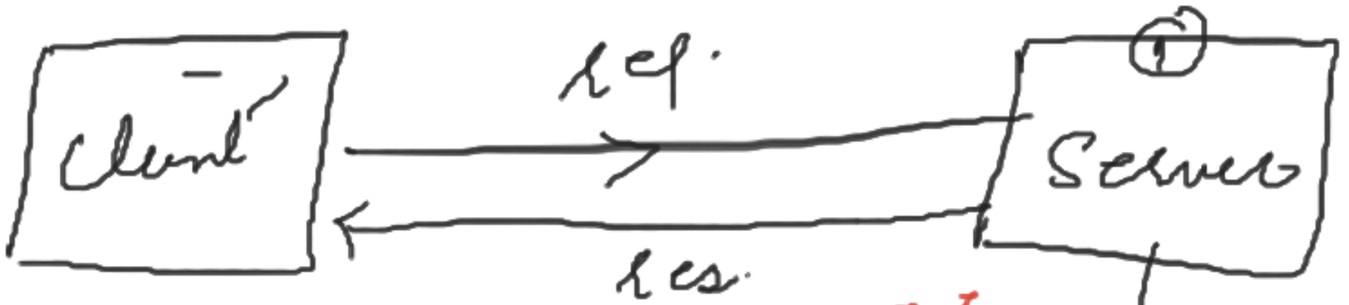
Dis

- very difficult make changes in the code,
- customization is difficult

(I) Selenium RC (Remote Control) :- Sel1, Sel2

follows client server Arch.

[SeleniumServer]



gets

need to re-start the server

(II) There is only one Single class named as 'Selenium'

(III) does'nt support Mobile Testing methods ← object

etc.

Adv · Supports various OS

Langs

Browsers

(III) Selenium WebDriver → follows client Arch. & for this no need of any server

↓

component of Selenium

→ Supports various Lang.

Browsers

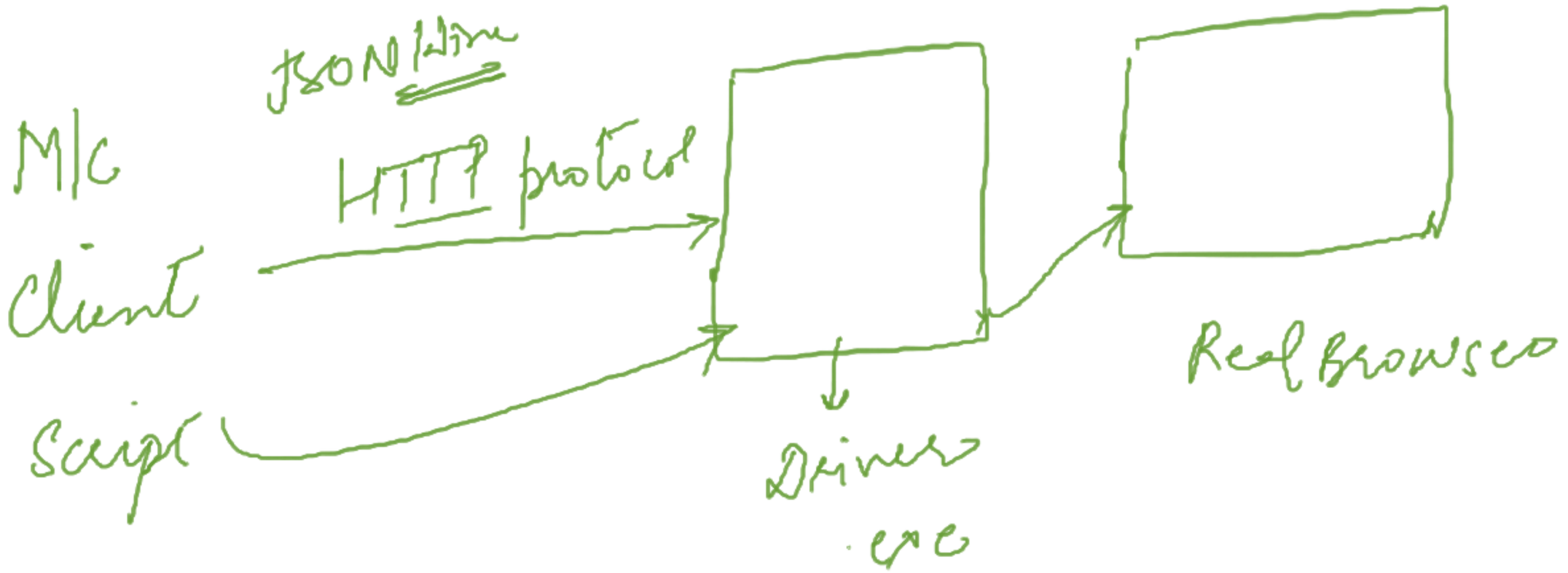
OSs.

[WebDriver]

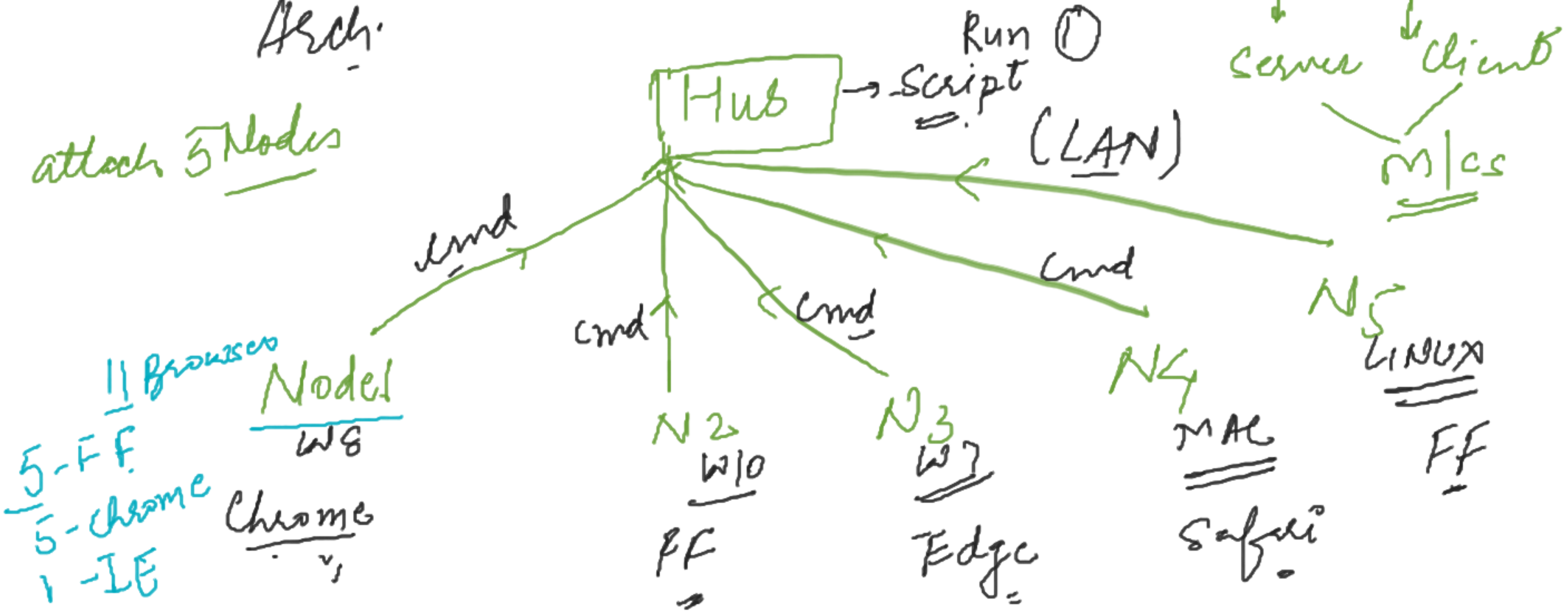
↓

Interface

→ Support Mobile Testing


JSON wire
M/C
client
script
HTTP protocol
Driver
.exe
Real Browser

(IV) Selenium Grid :- is used to perform parallel execution across various platform, and it follows [Hub-Node] Arch.



Imp diff btw Sel 2 & Sel 3 ?

1. on the basis of components:

Sel 2 → 4 Compo. → Sel RC + WebDriver

Sel 3 - No RC compo. available

2. Sel 2 → By default browser was Firefox { We didn't require any driver }

Sel 3 → for FF browsers we require the Gecko driver. [geckodriver.exe]

Chrome - chromedriver.exe

3. Sel2 :- Supports only browsers version upto 52.

Sel3 → 52+ Latest versions

chromedriver version

92

92

92

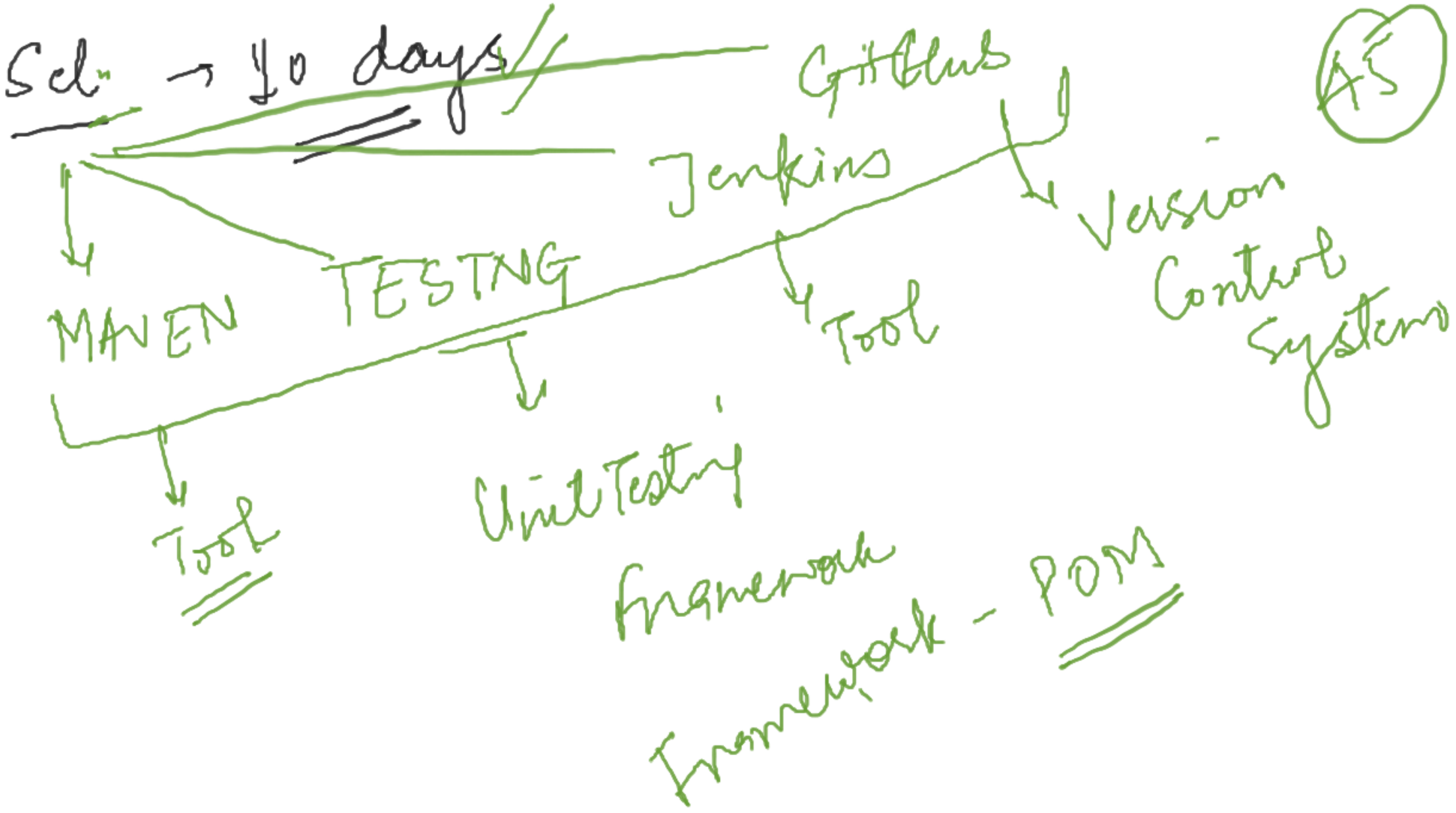
ChromeBrowser version (92)

90

Mobile App Automation Tools

→ Appium — iOS, Android ✓

→ Selendroid - Android


Sel → 40 days
GitHub
45
Jenkins
MAVEN
TESTNG
Tool
Version Control System
Tool
Unit Testing Framework
Framework - POM

1. Sel Practicals

→ Selelibs → .Zip

→ Drivers (Browsers)

D:// → SelLibs Folder

→ Eclipse

→ updated Browsers.

1. Download Sel JARs → .zip } extract
2 [Skip] Download browser drivers → .zip }

3. Create JAVA project

4. Associate Sel JARs

→ Right click on project → Build Path → Configure Build path → Add External JARs → choose location where Sel JARs are placed ← select all JARs ← Apply & close

5. Create a new pkg with name 'drivers'
   ↳ (It can be any name)

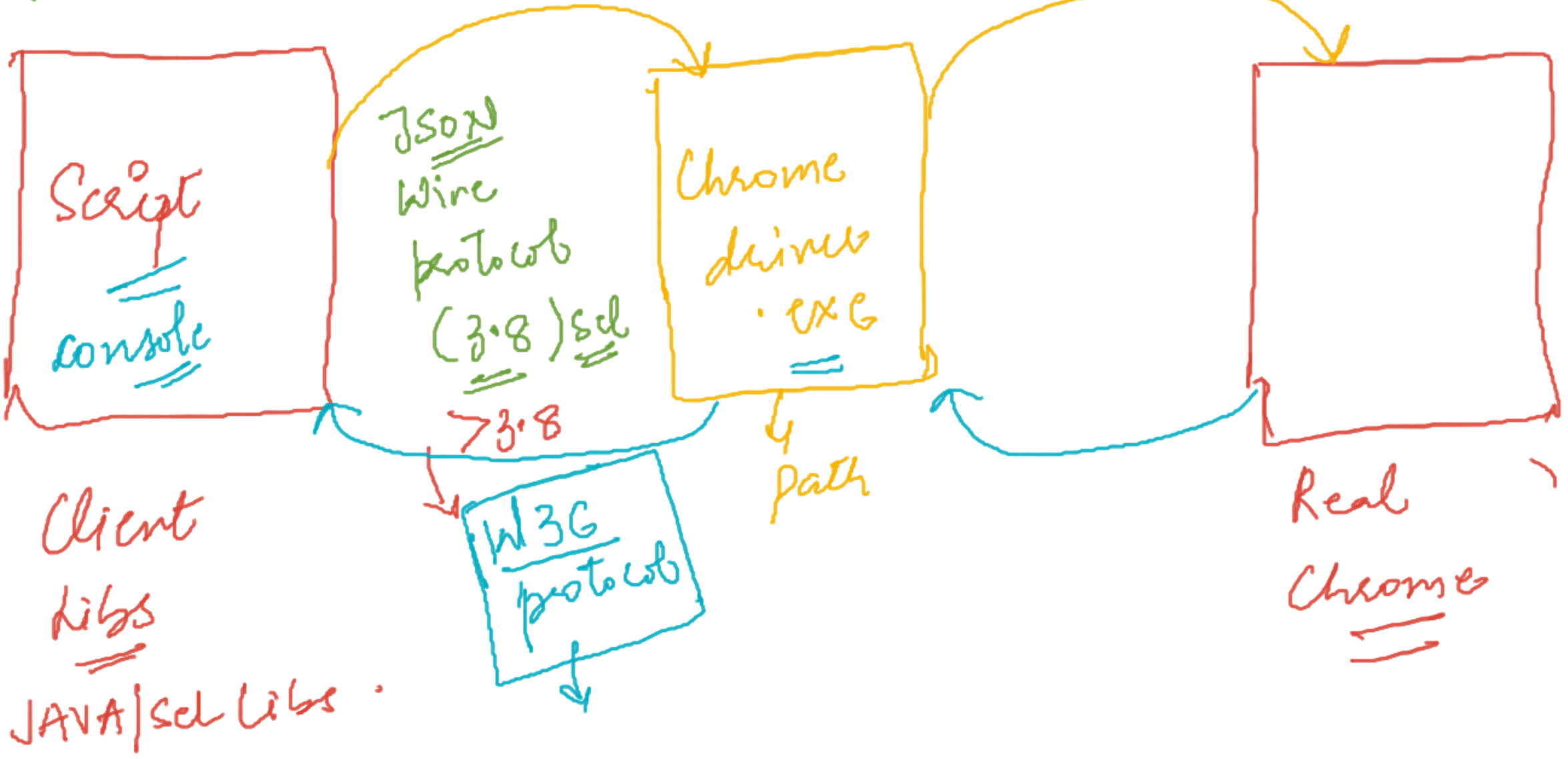
6. Keep the browser drivers ('.exe') (downloaded earlier) in 'drivers' pkg.

7 Create JAVA class :-

JSON - JAVA Script Object Notation →

{ : }

WebDriver



Paths :- Absolute Path → complete path from Root Direc

Relative Path