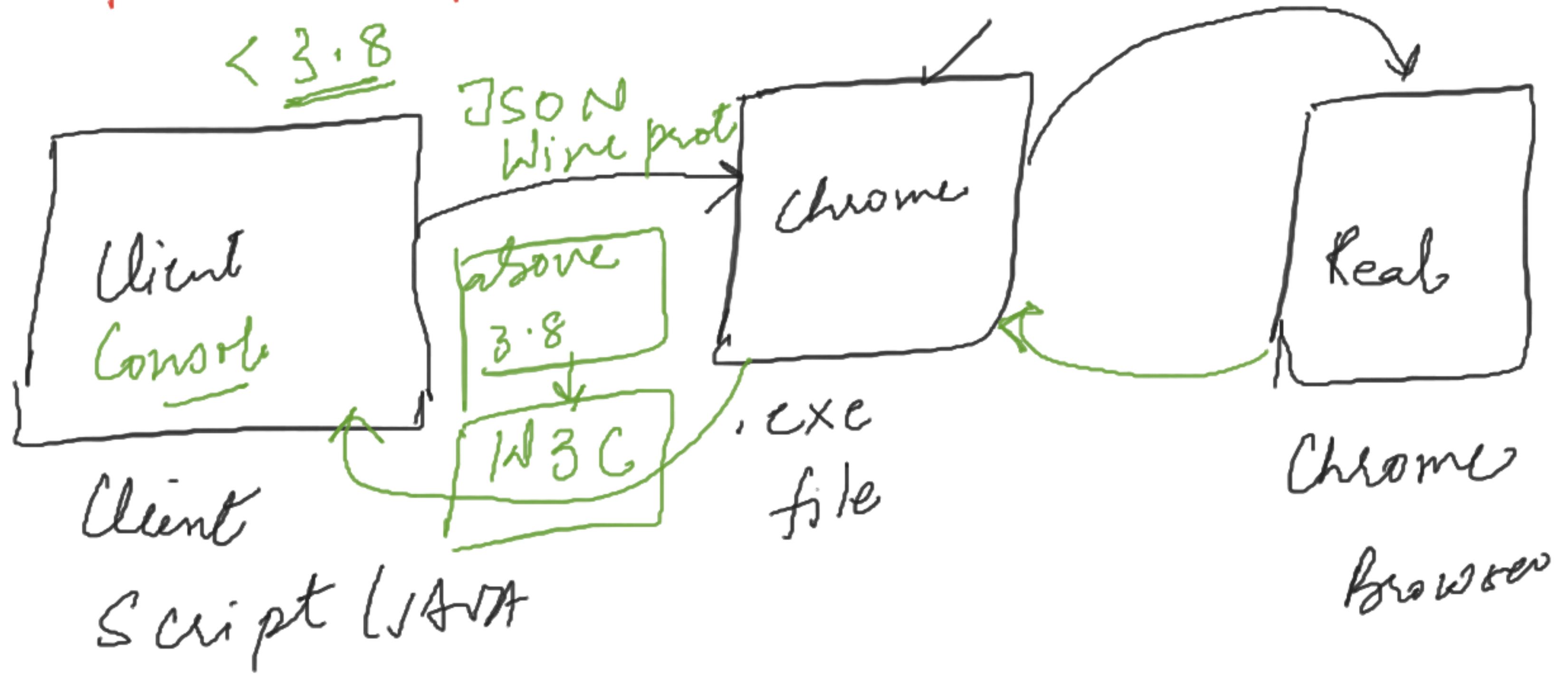


# Component of Selenium - Web Driver (I)



SearchContext (Parent I)  
↑ WebDriver (I) → Can't create an object

↓  
all the methods are  
abstract Method

↓  
Chrome Driver → all the methods def. is written here

Firefox Driver] →

findElement() > SearchContext(I)

findElements()



WebDriver(I)

=



ChromeDriver

{  
get()  
getTitle()  
get  
}

findElement()  
findElements()

implements WebDriver

Webpage ✓ → HTML Tags

↓  
HyperText Markup Lang.

Text - Normal Text      Tags

HyperText - Links

<h1>      </h1>      ] Paired Tag      → Headings  
    ↓              ↓  
Starting      Closing Tag  
H1 - largest  
H6 - smallest

<P>      </P>      — Paragraph

<img      src = 'value' >  
    ↓              ↓              ↓  
WebElement      attribute /      attr. value /  
                    property      prop-value



`<a href="/index.php/auth/requestPasswordResetCode">Forgot your password?</a>` -Link

↓ Tag Name  
attribute name (Mandatory)  
attribute value  
Link Text (visible on the screen)  
Closing Tag

`<form id="frmLogin" method="post" action="/index.php/auth/validateCredentials">`

↓ Tag Name  
Common  
only form attribute  
only for forms

## Form Elements:

1. text Fields - input - `<input name="txtUsername" id="txtUsername" type="text">`
2. password fields - `<input name="txtPassword" id="txtPassword" autocomplete="off" type="password">`  
encrypted (.....)
3. email - `type="email"`
4. number - `type="number"`
5. text areas - `<textarea>`
6. Radio button - `<input type='radio' value='Y'> Yes` ----- Single Selection
7. Check box - `<input type='checkbox' value='Y'> Yes` -- check multiple options
8. Select (Dropdown)- single- `<select>`
9. Select - multiselection - `<select multiple>`
10. input type - File, `<input type="file">`
11. Submit Button - `<input type='submit'>`
12. input type- button `<input type='button'>`
13. image as submit button - `<input type='image' src="imagePath">`

TagName

attributes

1234

{ id → unique  
name → Same  
class → 2 or more  
than  
elems

# Selenium/WebDriver Locators :-

WebDriver locators are methods used to locate the web elements.

diff Locators:

1. id (Highest p)---DONE ✓
2. name ✓
3. xpath-----
4. cssSelector-----
5. linkText--- only for <a> (Anchor tag - link) ✓
6. partialLinkText ---only for <a> (Anchor tag - link) ✓
7. className
8. TagName



II) name

`<input type = 'text' name = 'abcd' >`

`driver.findElement(By.name("abcd")).sendKeys("");`

(III) Link Text Locator :- <a>  
tag / links only

✓ <a href="abc.html"> login link? </a>

driver: find Element (By: linkText(" " ))

(III) partialLinkText : - used for <a> tag.

<a href="abc.php"><span>Signup</span></a>

driver.findElement (By.partialLinkText ("Signup")).  
click();

# Navigation Commands

Page:-

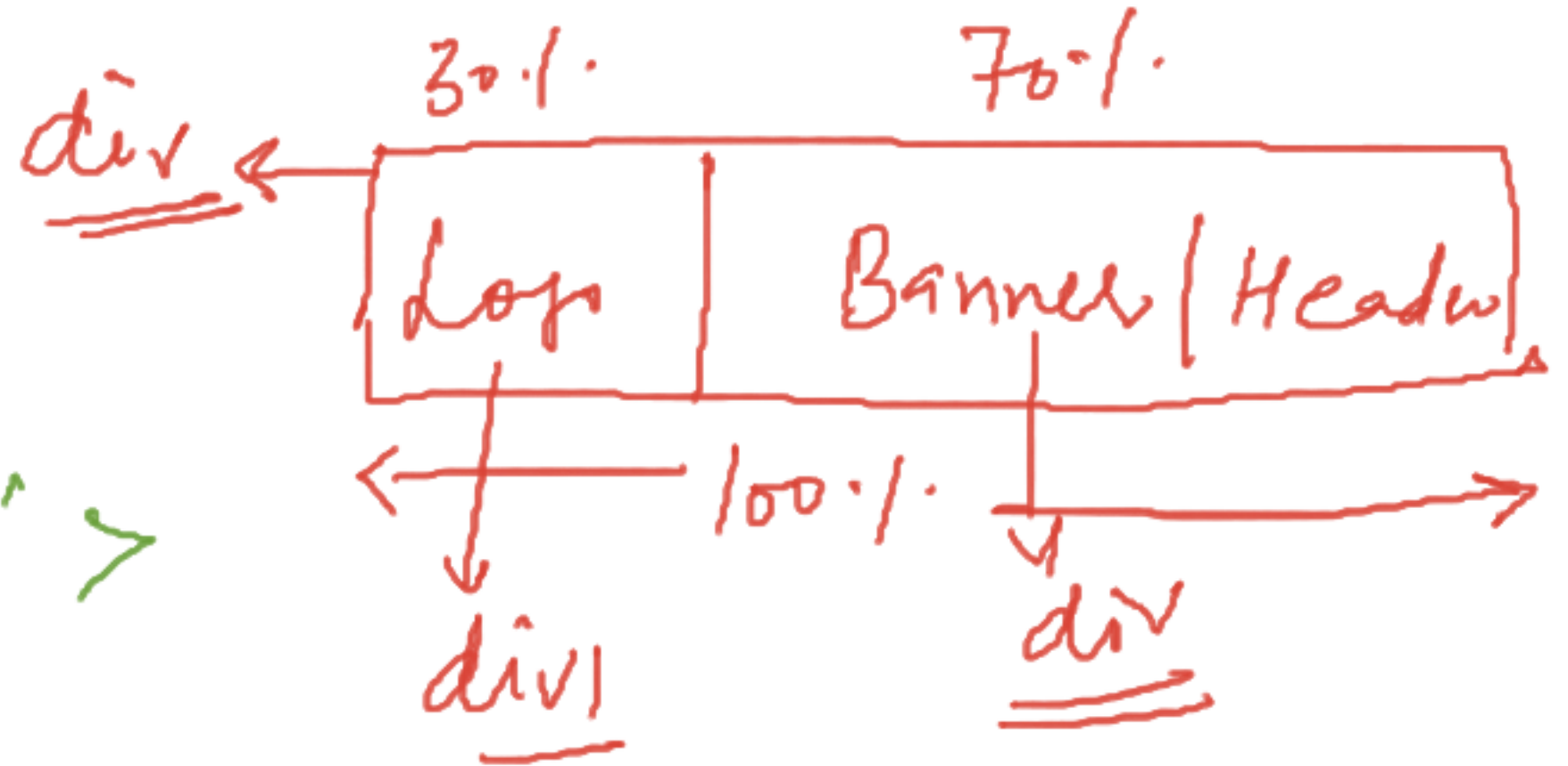
Browser - Back | Flw buttons

→ driver.navigate().to("\_"); // can open new page

→ driver.navigate().back();  
" " forward();

→

## ClassName Locator:



(I) `<div class = 'container'>`

(II) `<div class = 'table borderArea'>`  
                    ↓                    ↓  
                    C1                    C2

CSS

(III) `<div class = 'txtField -a -0 -4 -b'>`  
                    ↓                    X  
                    C1                    C2



①  
↓  
<input type='text' class='textInput'>  
<input type='text' class='textInput'>  
<input type='text' class='textInput'>  
<input type='text' class='textInput'>  
<input type='text' class='textInput'>

0 ✓✓  
1  
2  
3  
4

5  
L →

int x =  
driver.findElement(By.className('textInput')).size();  
↓  
List  
↓  
collection





