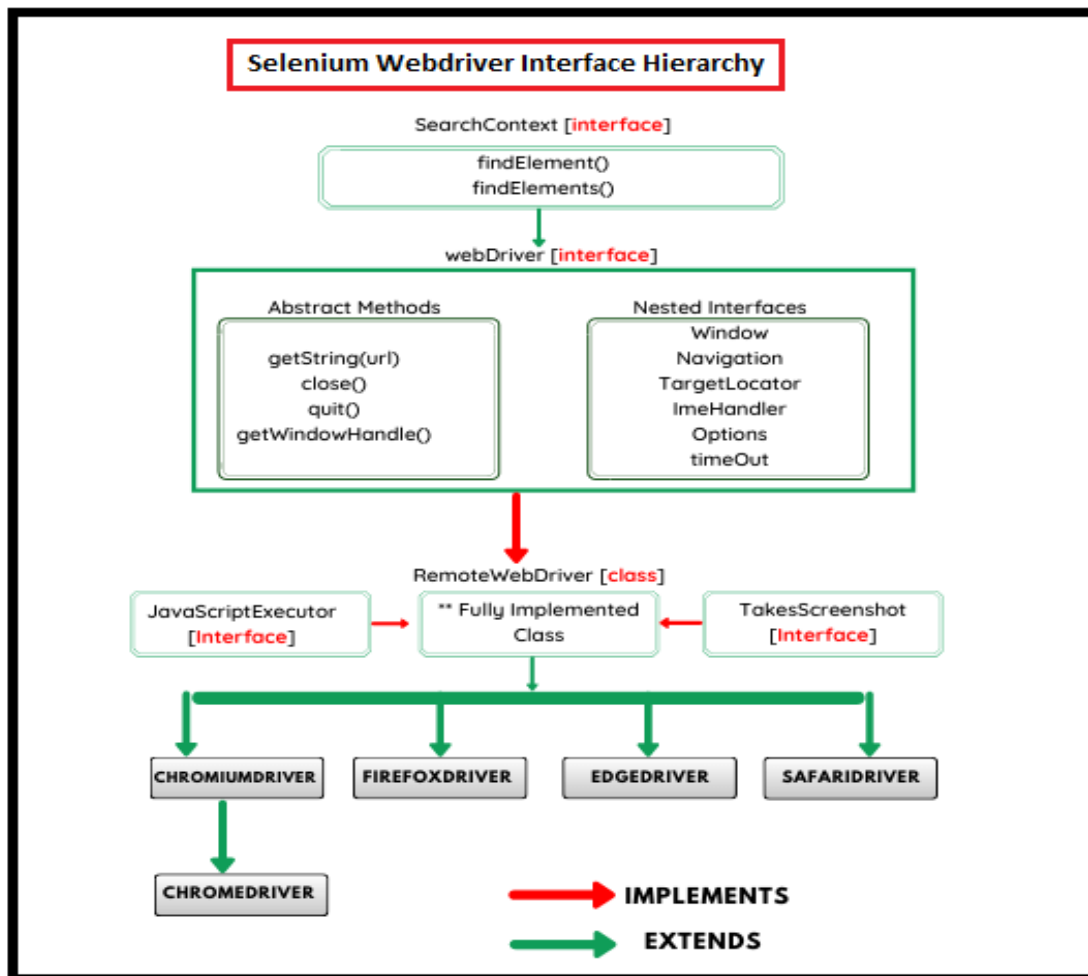


## 1.Selenium Webdriver Interface Hierarchy



### 1. Selenium WebDriver

IQ- Explain the WebDriver Hierarchy/what is WebDriver Hierarchy?

#### a. SearchContext(Interface):

- It is top most interface of the WebDriver
- It contains only two abstract methods
  1. findElement()
  2. findElements()

#### b. WebDriver (Interface):

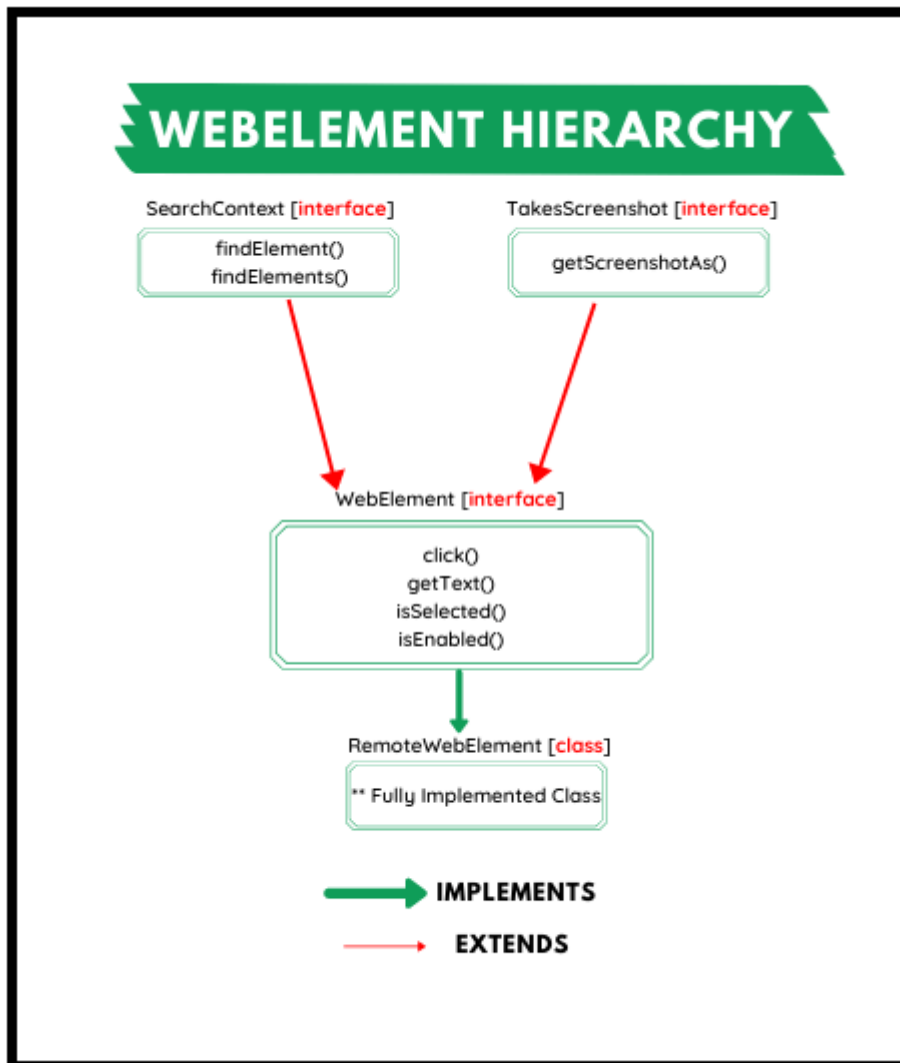
- It is also an interface which extends SearchContext interface
- There are so many methods available like get(), close(), quite(), etc.

#### c. RemoteWebDriver (Class):

- It is fully implemted class
- All the methods of SearchContext, WebDriver, JavaScriptExecutor, TakeScreenshot interface is implemented

#### d. Finally browser specific classes are available like ChromDriver, ForefoxDriver, IEDriver, etc.

## 2. Selenium WebElement Interface Hierarchy



### Selenium WebElement Hierarchy

IQ- Explain the WebElement Hierarchy/what is WebElement Hierarchy?

- It extends two other interface like SearchContext, TakesScreenshot
- It contains so many methods like `click()`, `sendKeys()`, `getText()`, etc.
- RemoteWebElement is fully implemented class, which implements all the abstract methods of SearchContext, TakesScreenshot, WebElement interface.

### 3. Launch Different Browsers

3. Launch Different Browsers

Path Example:  
System.setProperty("webdriver.gecko.driver", "C:\\Users\\MyDeLL\\Desktop\\Selenium\_Sessions\\Drivers\\geckodriver-v0.30.0-win64\\geckodriver.exe");

```
package selenium_basics;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.ie.InternetExplorerDriver;

public class LaunchBrowsers {

    public static void main(String[] args) {

        System.setProperty("webdriver.gecko.driver", "Enter the geckodriver path from your System");
        WebDriver firefoxDriver= new FirefoxDriver();
        firefoxDriver.get("https://www.google.com/");

        System.setProperty("webdriver.chrome.driver", "Enter the chromedriver path from your System");
        WebDriver chromeDriver= new ChromeDriver();
        chromeDriver.get("https://www.google.com/");

        System.setProperty("webdriver.ie.driver", "Enter the IEDriverServer path from your System");
        WebDriver ieDriver= new InternetExplorerDriver();
        ieDriver.get("https://www.google.com/");

    }
}
```

For Firefox

For Chrome

For InternetExplorer