1.2 Locating Web Page Elements

LocatingElementsDemo.java

```java
package com.ecommerce.test;

import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class LocatingElementsDemo {


    public static void main(String[] args) throws InterruptedException {


        WebDriver driver = new ChromeDriver(); // new FirefoxDriver();


        // Demo locating by id, name and class
        // googleAccCreation(driver);


        // Demo cssSelector
        facebookAccCreation(driver);


        // close the browser and quit.
        // driver.close();
    }


    static void facebookAccCreation(WebDriver driver) {
        String baseUrl = "https://www.facebook.com/r.php?locale=en_GB&display=page";


        driver.get(baseUrl);
```

```java
String cssDay = "#day";
WebElement cssDaySelect = driver.findElement(By.cssSelector(cssDay));


Select daySelect = new Select(cssDaySelect);
daySelect.selectByVisibleText("11");


// PROBLEM : locate the gender element and try setting it F/M/C
//          String cssGender = "#u_0_4_nJ";
//          WebElement cssGenderRadio =
driver.findElement(By.cssSelector(cssGender));
//          cssGenderRadio.click();


WebElement cssGenderRadio = driver.findElement(By.cssSelector("span > span >
input[type='radio'][value='2']"));
cssGenderRadio.click();


// Demo find by tag name
List<WebElement> titleTagElement = driver.findElements(By.tagName("title"));


JavascriptExecutor js = (JavascriptExecutor) driver;
js.executeScript("console.log(arguments[0].innerText)", titleTagElement);


System.out.println("WebPage Title is " + titleTagElement.get(0).getText());


}


}
```
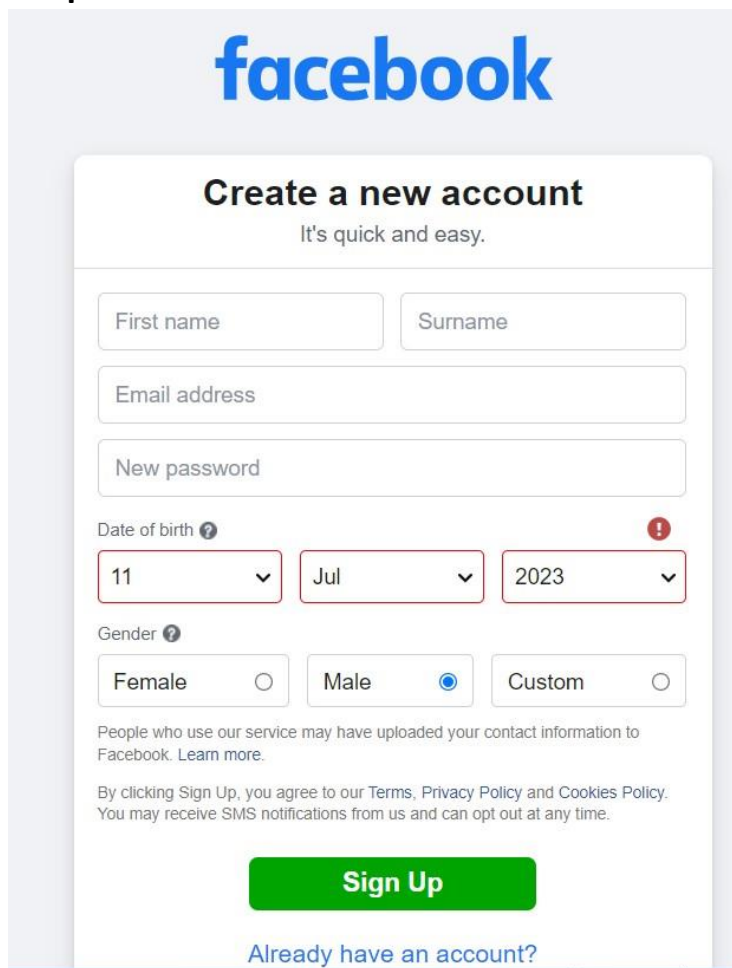
Output


```
Jul 18, 2023 10:54:55 PM org.openqa.selenium.remote.service.DriverSe
INFO: Driver logs no longer sent to console by default; https://www.s
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for fu
WebPage Title is Sign up for Facebook | Facebook
```