

1.2 Locating Web Page Elements

LocatingElementsDemo.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);
```

```

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);

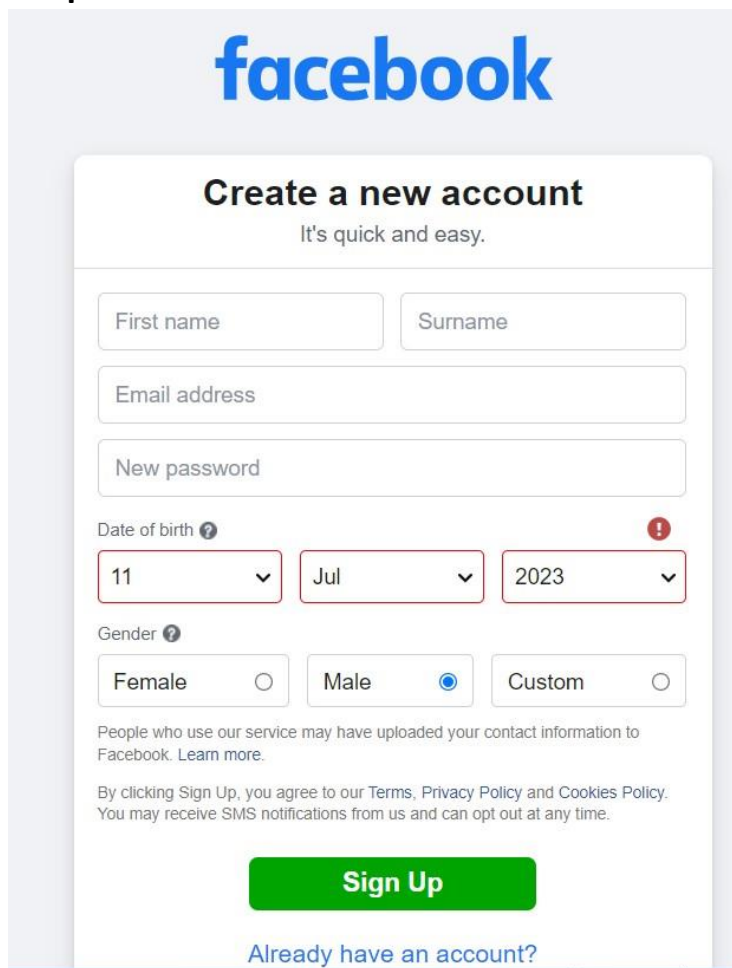
System.out.println("WebPage Title is " + titleTagElement.get(0).getText());

}

}

```

Output



The image shows the Facebook 'Create a new account' form. At the top is the Facebook logo. Below it, the heading 'Create a new account' is followed by the subtext 'It's quick and easy.' The form contains several input fields: 'First name', 'Surname', 'Email address', and 'New password'. Below these is the 'Date of birth' section with three dropdown menus for day, month, and year, and a red exclamation mark icon. The 'Gender' section has three radio button options: 'Female', 'Male' (which is selected), and 'Custom'. Below the form fields, there is a line of text: 'People who use our service may have uploaded your contact information to Facebook. Learn more.' followed by another line: 'By clicking Sign Up, you agree to our Terms, Privacy Policy and Cookies Policy. You may receive SMS notifications from us and can opt out at any time.' At the bottom of the form is a large green 'Sign Up' button. Below the button is a link that says 'Already have an account?'.

```
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.
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
```