

# SOURCE CODE

## LocatingWebPageElements

```
package com.ecommerce.test;

import org.openqa.selenium.*;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class LocatingWebPageElements {

    public static void main(String[] args) throws InterruptedException {
        // Basic configuration
        WebDriver driver = new ChromeDriver();

        googleDemo(driver); //demonstrating ID,name, class

        facebookDemo(driver); //demonstrating xpath, cssselector ,
tagname
    }

    public static void googleDemo(WebDriver driver) throws
InterruptedException {

        String baseUrl =
"https://accounts.google.com/signup/v2/createaccount?flowEntry=SignUp";

        driver.get(baseUrl);

        // Locate the first name field using id
        WebElement FirstNameElement =
driver.findElement(By.id("firstName"));
        FirstNameElement.sendKeys("My First Name");

        // Locate the last name field using name
        WebElement LastNameElement =
driver.findElement(By.name("lastName"));
        LastNameElement.sendKeys("My Last Name");

        // Locate the button using class
        WebElement nextButton =
driver.findElement(By.className("VfPpkd-vQzf8d"));
        nextButton.click();

    }

    public static void facebookDemo(WebDriver driver) throws
InterruptedException {

        String baseUrl =
"https://www.facebook.com/r.php?locale=en\_GB&display=page";
```

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        driver.get(baseUrl);

        String fullXPathOfDayDropDown =
"/html/body/div[1]/div[1]/div[1]/div[2]/div/div[2]/div/div/div[1]/form/div[
1]/div[5]/div[2]/span/span/select[1]";
        WebElement dayDropDown =
driver.findElement(By.xpath(fullXPathOfDayDropDown));

        Select select = new Select(dayDropDown);
        select.selectByVisibleText("11");

        WebElement gender = driver.findElement(By.cssSelector("span >
span > input[type='radio'][value='1']"));
        gender.click(); // selects Female

        // Locating image by its tag names
        WebElement fbLogoImage = driver.findElement(By.tagName("img"));
        System.out.println("FB Logo src is " +
fbLogoImage.getAttribute("src"));

        Thread.sleep(10000);

        // Locate a link and click it.
        WebElement fbAlreadyLink =
driver.findElement(By.linkText("Already have an account?"));
        fbAlreadyLink.click();

    }

}

```