

Phase – 5 Practice Project: Assisted Practice

2. Locating Web Page Elements.

- Code

- ✓ LocateElementsDemo.java

```
package com.ecommerce.test;

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

public class LocateElementsDemo {

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

        // Demo for locating TextFeild, Button, Select
        // using id, name and className, xpath
        googleAccCreation(driver);

        /* Demo locating Select and Radio Elements */
        facebookAccCreation(driver);
    }

    /* Automate Select and Radio Elements */
    public static void facebookAccCreation(WebDriver driver) throws
InterruptedException {
        String baseUrl =
"https://www.facebook.com/r.php?locale=en_GB&display=page";

        driver.get(baseUrl);

        // The Day Dropdown
        // *[@id="day"]
        ///
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]

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

        Select select = new Select(dayDropDown);
        select.selectByVisibleText("28");

        // TRY THIS - Locate the month and year

        // Locate the Gender and set it to M/F/C
        // WebElement gender=
```

```

        //
driver.findElement(By.xpath("/html/body/div[1]/div[1]/div[1]/div[2]/div/
div[2]/div/div/div[1]/form/div[1]/div[7]/span/span[2]/input"));
        // gender.click();

        // WebElement gender=
driver.findElement(By.cssSelector("#u_0_5_eQ")); // NOT
        // WORKING, because id are dynamically generated
        WebElement gender = driver.findElement(By.cssSelector("span >
span > input[type='radio'][value='2']"));
        gender.click(); // selects male

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

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

    }

    public static void googleAccCreation(WebDriver driver) throws
InterruptedException {

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

        driver.get(baseUrl);

        // Locate the first name feild using id
        WebElement firstNameTF =
driver.findElement(By.id("firstName"));
        // System.out.println("firstname text feild details
"+firstNameTF);
        firstNameTF.sendKeys("firname");

        // Locate the last name feild using name
        WebElement lastNameTF =
driver.findElement(By.name("lastName"));
        lastNameTF.sendKeys("lasname");

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

        // Locate by XPath
        // String xPathOfMonth =
"/html/body/div[1]/div[1]/div[2]/div/div[2]/div/div/div[2]/div/div[1]/di
v/form/span/section/div/div/div[1]/div[2]/div/div/div[2]/select";
        // WebElement monthSelectElement =
driver.findElement(By.xpath(xPathOfMonth));

```

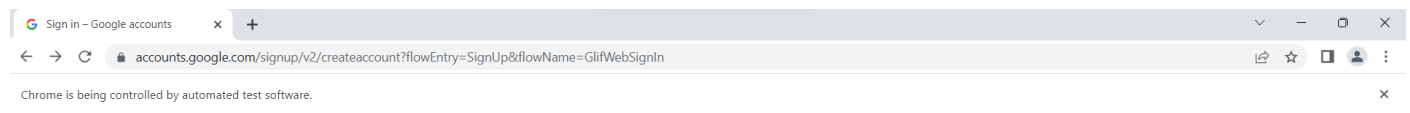
```
//      System.out.println("monthSelectElement details " +
monthSelectElement);
//
//      Select select = new Select(monthSelectElement);
//      select.selectByValue("6");


Thread.sleep(15000);
driver.close();

}

}
```

• Output

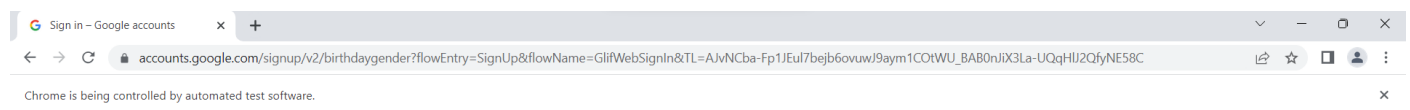





Create a Google Account

Enter your name

Next





Basic information

Enter your birthday and gender

Next

```
Markers Console Servers Internal Web Browser Terminal JUnit TestNG Properties Snippets Progress
<terminated> LocateElementsDemo [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (18-Jul-2023, 7:55:38 pm - 7:55:44 pm) [pid: 17552]
Jul 18, 2023 7:55:39 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
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 further details.
FB Logo src is https://static.xx.fbcdn.net/rsrc.php/y8/r/dF5SId3UHWd.svg
```

