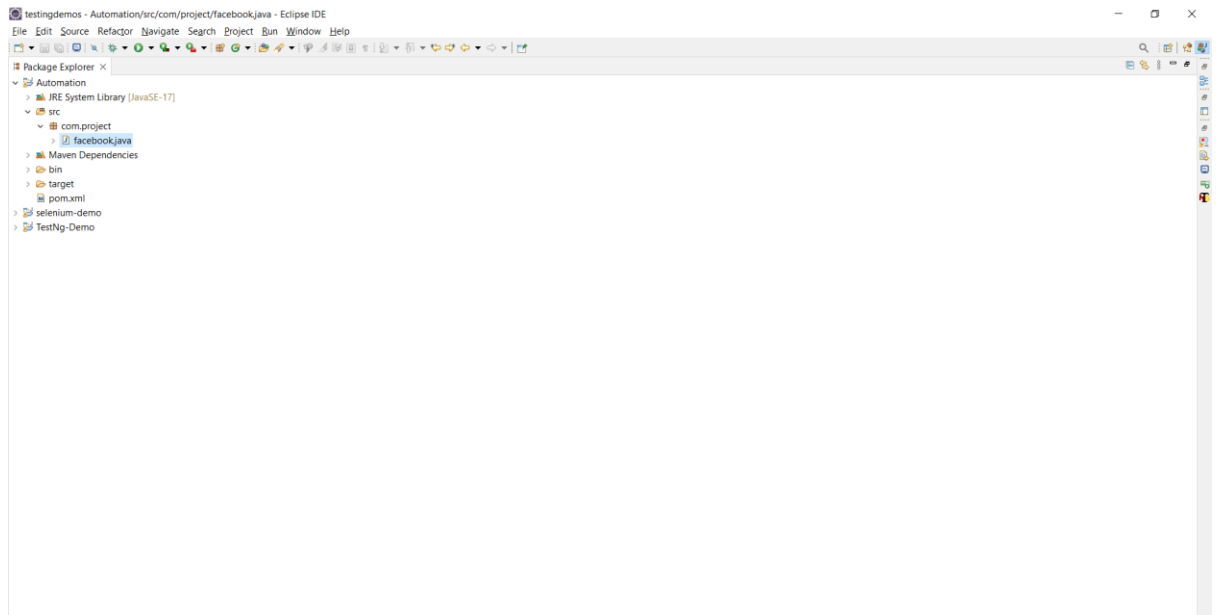


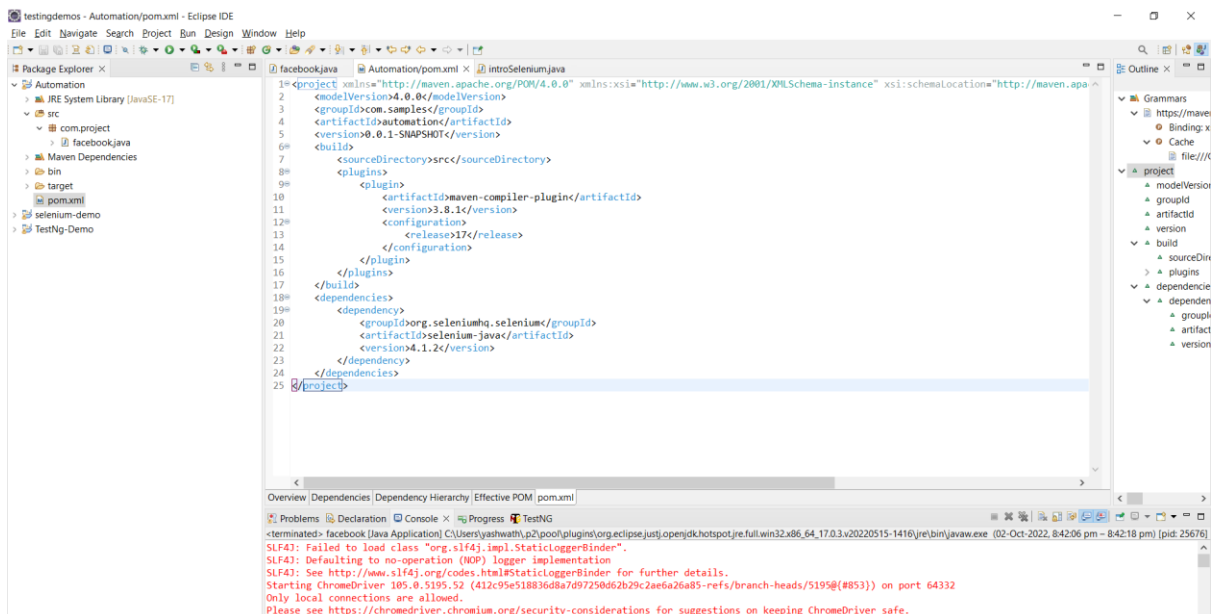
# Automating a Web Application

Here I added Screen Shots of the Application:

- Project Structure



- Pom.xml file



# OUTPUT

- Facebook Sign up / Registration page

The screenshot shows the Facebook registration page in a browser. The URL is `facebook.com/r.php?locale=en_GB&display=page`. The page title is "Sign up for Facebook | Facebook". The main heading is "Create a new account" with the subtext "It's quick and easy." Below this, there are input fields for "First Name" (containing "modi"), "Last Name" (containing "PM"), "Mobile Number" (containing "7478420912"), and "Password" (masked with dots). There is a "Date of birth" section with dropdowns for day (28), month (Jun), and year (2000). A "Gender" section has radio buttons for "Female" (selected), "Male", and "Custom". Below the form, there is a "Sign Up" button and a link "Already have an account?". A small disclaimer at the bottom states: "People who use our service may have uploaded your contact information to Facebook. Learn more. 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."

The screenshot shows the Facebook verification page in a browser. The URL is `facebook.com/confirmemail.php?next=https%3A%2F%2Fwww.facebook.com%2F%2F_req=6`. The page title is "Facebook". The main heading is "Enter the confirmation code from the text message". Below this, there is a text input field for the confirmation code, with a placeholder "FB-". A link "Send SMS Again" is visible. At the bottom, there are two buttons: "Update Contact Info" and "Continue".

- Console

The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows the project structure: Automation (src, facebookjava, Maven Dependencies, target, pom.xml, selenium-demo, TestNg-Demo). The main editor displays the 'facebookjava' class with the following code:

```
7
8 // FACEBOOK NEW REGISTRATION
9 public class facebook {
10
11     private static String path = "C:\\chromedriver_win32\\chromedriver.exe";
12
13     public static void main(String[] args) {
14
15         String url = "https://www.facebook.com/r.php?locale=en_GB&display-page";
```

The Console window at the bottom shows the following output:

```
<terminated> facebook [Java Application] C:\Users\yashwath\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.x20220515-1416\jre\bin\javaw.exe (02-Oct-2022, 8:42:06 pm - 8:42:18 pm) [pid: 25676]
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.
Starting ChromeDriver 105.0.5195.52 (412c95e518836d8a7d97250d62b29c2ae6a26a85--refs/branch-heads/5195@{#853}) on port 64332
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
[1664723529.042][WARNING]: This version of ChromeDriver has not been tested with Chrome version 106.
Oct 02, 2022 8:42:09 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Oct 02, 2022 8:42:09 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 106, so returning the closest version found: a no-op implementation
Oct 02, 2022 8:42:09 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
INFO: Unable to find CDP implementation matching 106.
Oct 02, 2022 8:42:09 PM org.openqa.selenium.chromium.ChromiumDriver lambda$new$3
WARNING: Unable to find version of CDP to use for . You may need to include a dependency on a specific version of the CDP using something similar to 'org.seleniumhq.
Sign up for Facebook | Facebook
firstname
lastname
reg_email__
reg_passwd__
birthday_day
birthday_month
birthday_year
sex
websubmit
registered successfully
```

- Facebook.java

```
1 package com.project;
2 import org.openqa.selenium.By;
3 import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.WebElement;
5 import org.openqa.selenium.chrome.ChromeDriver;
6
7
8 // FACEBOOK NEW REGISTRATION
9 public class facebook {
10
11     private static String path = "C:\\chromedriver_win32\\chromedriver.exe";
12
13     public static void main(String[] args) {
14
15         String url = "https://www.facebook.com/r.php?locale=en_GB&display-page";
16         System.setProperty("webdriver.chrome.driver", path);
17
18         WebDriver driver = new ChromeDriver();
19         driver.get(url);
20         driver.manage().window().maximize();
21
22         String title = driver.getTitle();
23         System.out.println(title);
24
25         WebElement fname = driver.findElement(By.name("firstname"));
26         fname.sendKeys("modi");
27         System.out.println(fname.getAttribute("name"));
28
29         WebElement lname = driver.findElement(By.name("lastname"));
30         lname.sendKeys("PM");
31         System.out.println(lname.getAttribute("name"));
32
33         WebElement mobile = driver.findElement(By.name("reg_email_"));
34         mobile.sendKeys("7478420912");
35         System.out.println(mobile.getAttribute("name"));
36
37         WebElement pass = driver.findElement(By.id("password_step_input"));
38         pass.sendKeys("Mvd1@mm");
39
40
41         WebElement day = driver.findElement(By.id("day"));
42         day.sendKeys("28");
43         System.out.println(day.getAttribute("name"));
44
45         WebElement month = driver.findElement(By.id("month"));
46         month.sendKeys("June");
47         System.out.println(month.getAttribute("name"));
48
49         WebElement year = driver.findElement(By.id("year"));
50         year.sendKeys("2000");
51         System.out.println(year.getAttribute("name"));
52
53         WebElement gender = driver.findElement(By.className("_8esa"));
54         gender.click();
55         System.out.println(gender.getAttribute("name"));
56
57         WebElement signUp = driver.findElement(By.name("websubmit"));
58         signUp.click();
59         System.out.println(signUp.getAttribute("name"));
60
61         System.out.println("registered successfully");
62     }
63 }
64
65 }
```

SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".  
SLF4J: Defaulting to no-operation (NOP) logger implementation