

Source Code- Automate a Web Application

Login.java

```
package appTest;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class Login {

    public static void main(String[] args) {

        String path="C:\\Users\\surya\\Documents\\phase5 Workspace\\chromedriver-
win64\\chromedriver.exe";
        System.setProperty("webdriver.chrome.driver",path);
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");

        driver.manage().window().maximize();

        driver.manage().timeouts().implicitlyWait(10000, TimeUnit.MILLISECONDS);

        WebElement UserName = driver.findElement(By.xpath("//input[@id='email']"));
        UserName.sendKeys("surya@gmail.com");

        WebElement Password = driver.findElement(By.xpath("//input[@id='pass']"));
        Password.sendKeys("surya@123");

        WebElement LoginBtn = driver.findElement(By.xpath("//button[@name='login']"));
        LoginBtn.click();

    }

}
```

Registration.java

```
package appTest;

import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
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 Registration {

    public static void main(String[] args) {
        String path="C:\\Users\\surya\\Documents\\phase5
WorkSpace\\chromedriver-win64\\chromedriver.exe";
        System.setProperty("webdriver.chrome.driver",path);

        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com/");

        driver.manage().window().maximize();

        driver.manage().timeouts().implicitlyWait(10000, TimeUnit.MILLISECONDS);

        WebElement SignUp = driver.findElement(By.xpath("//a[text()='Create new
account']"));
        SignUp.click();

        WebElement firstNameTF = driver.findElement(By.name("firstname"));
        firstNameTF.sendKeys("Pramod");
        WebElement lastNameTF = driver.findElement(By.name("lastname"));
        lastNameTF.sendKeys("Surya");

        WebElement number = driver.findElement(By.name("reg_email__"));
        number.sendKeys("2545475144");

        WebElement Password =
driver.findElement(By.xpath("//*[@id=\"password_step_input\"]"));
        Password.sendKeys("surya@123");

        //Select day
        WebElement Day = driver.findElement(By.id("day"));

        Select ddDay = new Select(Day);
        ddDay.selectByVisibleText("14");

        //Dynamic xpath for gender
        String GenVal = "Male";
        WebElement DynamicGen = driver.findElement(By.xpath("//label[text()='\" +
GenVal + "\"]/following-sibling::input"));
        DynamicGen.click();
```

```

    }
}

```

pom.xml

```

<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <groupId>coms</groupId>
    <artifactId>PracticeProject1</artifactId>
    <version>0.0.1-SNAPSHOT</version>

    <dependencies>
        <dependency>
            <groupId>junit</groupId>
            <artifactId>junit</artifactId>
            <version>3.8.1</version>
            <scope>test</scope>
        </dependency>

        <!--
https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
        <dependency>
            <groupId>org.seleniumhq.selenium</groupId>
            <artifactId>selenium-java</artifactId>
            <version>4.10.0</version>
        </dependency>

        <!--
https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-
chrome-driver -->
        <dependency>
            <groupId>org.seleniumhq.selenium</groupId>
            <artifactId>selenium-chrome-driver</artifactId>
            <version>4.10.0</version>
        </dependency>

        <!-- https://mvnrepository.com/artifact/org.testng/testng -->
        <dependency>
            <groupId>org.testng</groupId>
            <artifactId>testng</artifactId>
            <version>6.14.3</version>
            <scope>test</scope>
        </dependency>

    </dependencies>

</project>

```