Selenium Web Driver:

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class AutomationScript {

public static void main(String[] args) {

// Set the path to the ChromeDriver executable

System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");

// Initialize ChromeDriver

WebDriver driver = new ChromeDriver();

// Open the registration page

driver.get("https://example.com/register");

// Registration

WebElement usernameInput = driver.findElement(By.id("username"));

WebElement passwordInput = driver.findElement(By.id("password"));

WebElement registerButton = driver.findElement(By.id("registerButton"));

usernameInput.sendKeys("yourUsername");

passwordInput.sendKeys("yourPassword");

registerButton.click();

// Wait for registration to complete (add appropriate waits)

// Open the login page

driver.get("https://example.com/login");

// Login

WebElement loginUsernameInput = driver.findElement(By.id("loginUsername"));

WebElement loginPasswordInput = driver.findElement(By.id("loginPassword"));

WebElement loginButton = driver.findElement(By.id("loginButton"));

loginUsernameInput.sendKeys("yourUsername");

loginPasswordInput.sendKeys("yourPassword");

loginButton.click();

// Wait for login to complete (add appropriate waits)

// Perform additional actions as needed

// Close the browser

driver.quit();

}

}

WebApp.html:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Login Page</title>

</head>

<body>

<form id="loginForm" action="/login" method="post">

<label for="loginUsername">Username:</label>

<input type="text" id="loginUsername" name="loginUsername" required>

<label for="loginPassword">Password:</label>

<input type="password" id="loginPassword" name="loginPassword" required>

<button type="submit" id="loginButton">Login</button>

</form>

</body>

</html>