**Assignment 1**

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import java.util.List;

public class WebAutomation {

public static void main(String[] args) throws InterruptedException {

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

WebDriver driver = new ChromeDriver();

driver.get("https://basecopy5.staging.pg-test.com/hub/newhub503949860203/career-paths/career/database-architects");

WebElement jobElement = driver.findElement(By.xpath("//a[contains(@class, 'job-link')]"));

jobElement.click();

WebElement messageButton = driver.findElement(By.xpath("//button[contains(@class, 'message-button')]"));

messageButton.click();

Thread.sleep(5000);

driver.get("https://basecopy5.staging.pg-test.com/inbox");

driver.get("https://basecopy5.staging.pg-test.com/user2-profile-url");

List<WebElement> similarUsers = driver.findElements(By.xpath("//div[@class='similar-user']"));

for (WebElement similarUser : similarUsers) {

String userName = similarUser.findElement(By.className("user-name")).getText();

String companyName = similarUser.findElement(By.className("company-name")).getText();

System.out.println("User Name: " + userName);

System.out.println("Company Name: " + companyName);

}

driver.quit();

}

}

**Assignment 2**

**import org.openqa.selenium.By;**

**import org.openqa.selenium.WebDriver;**

**import org.openqa.selenium.WebElement;**

**import org.openqa.selenium.chrome.ChromeDriver;**

**import java.util.ArrayList;**

**import java.util.Collections;**

**import java.util.List;**

**import java.util.concurrent.TimeUnit;**

**public class WebAutomation {**

**public static void main(String[] args) {**

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

**WebDriver driver = new ChromeDriver();**

**driver.get("https://basecopy5.staging.pg-test.com/hub/newhub503949860203/home-v3");**

**List<WebElement> careerPathElements = driver.findElements(By.xpath("//div[@class='inspiration-item']"));**

**List<String> careerPathNames = new ArrayList<>();**

**for (int i = 0; i < 3; i++) {**

**WebElement careerPath = careerPathElements.get(i);**

**careerPath.click();**

**careerPathNames.add(careerPath.getText());**

**driver.navigate().back();**

**}**

**WebElement option3 = driver.findElement(By.xpath("//input[@value='Option 3']"));**

**if (!option3.isSelected()) {**

**option3.click();**

**}**

**driver.navigate().to("https://basecopy5.staging.pg-test.com/hub/newhub503949860203/home-v3");**

**driver.navigate().refresh();**

**Collections.reverse(careerPathNames);**

**List<WebElement> recentlyViewedPaths = driver.findElements(By.xpath("//div[@class='recently-viewed-item']"));**

**boolean isReversed = true;**

**for (int i = 0; i < 3; i++) {**

**if (!recentlyViewedPaths.get(i).getText().equals(careerPathNames.get(i))) {**

**isReversed = false;**

**break;**

**}**

**}**

**if (isReversed) {**

**System.out.println("Recently viewed careers list is reversed as expected.");**

**} else {**

**System.out.println("Recently viewed careers list is not reversed.");**

**}**

**driver.quit();**

**}**

**}**