Automate a Web Application

DESCRIPTION

Project Objective:

As a Full Stack Developer, you have to build an automation script that automated the basic functionalities like registration and login.

Background of the problem statement:

As the project is in the final stage, management has asked you to automate the basic functionalities like registration and login for all the internal employees. This will help the development and DevOps team to work efficiently with the application.

You must use the following:

● Eclipse

● Selenium WebDriver

● GitHub

CODE

```java
import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

public class Locator {

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

        System.setProperty("webdriver.chrome.driver",
"C:\\tools\\chromedriver_win32\\chromedriver.exe");
```

```java
        WebDriver driver = new ChromeDriver();

        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));

        Thread.sleep(1000);

    incorrectPasswordFlow(driver);

    }

        public static void loginFlow(WebDriver driver) {

        driver.get("https://www.phptravels.net/login");

        driver.findElement(By.name("email")).sendKeys("user@phptravels.com");

        driver.findElement(By.name("password")).sendKeys("demouser");

        driver.findElement(By.cssSelector("button[type='submit']")).click();

    }


        public static void incorrectPasswordFlow(WebDriver driver) throws
InterruptedException {

        String expectedErrorMessage = "Wrong credentials. try again!";

        driver.get("https://www.phptravels.net/login");

        driver.findElement(By.name("email")).sendKeys("user@phptravels.com");

        //enter incorrect password

        driver.findElement(By.name("password")).sendKeys("demo");

        driver.findElement(By.cssSelector("button[type='submit']")).click();

        Thread.sleep(500);

        String wrongCredentialsText = driver.findElement(By.className("alert-
danger")).getText();

        System.out.println(wrongCredentialsText);

        Assert.assertEquals(wrongCredentialsText, expectedErrorMessage);

    }

}
```

```xml
//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
http://maven.apache.org/xsd/maven-4.0.0.xsd">

  <modelVersion>4.0.0</modelVersion>

  <groupId>sel-test</groupId>

  <artifactId>sel-test</artifactId>

  <version>0.0.1-SNAPSHOT</version>

  <build>

    <sourceDirectory>src</sourceDirectory>

    <plugins>

      <plugin>

        <artifactId>maven-compiler-plugin</artifactId>

        <version>3.7.0</version>

        <configuration>

          <source>1.8</source>

          <target>1.8</target>

        </configuration>

      </plugin>

    </plugins>

  </build>

  <dependencies>

  <!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->

<dependency>

    <groupId>org.seleniumhq.selenium</groupId>

    <artifactId>selenium-java</artifactId>

    <version>4.1.2</version>

</dependency>
```

```xml
        <dependency>

                <groupId>org.testng</groupId>

                <artifactId>testng</artifactId>

                <version>7.5</version>

        </dependency>

        <dependency>

         <groupId>org.slf4j</groupId>

         <artifactId>slf4j-api</artifactId>

         <version>1.7.5</version>

     </dependency>

     <dependency>

                <groupId>org.slf4j</groupId>

                <artifactId>slf4j-simple</artifactId>

                <version>1.6.4</version>

     </dependency>

  </dependencies>

</project>
```