ASSIGNMENT-4 (Quality Check)

Demonstarte validation checks and regression testing on application.

Aim: **Demonstrate annotations using TestNG**

```
package TestNg;
import org.testng.annotations.Test;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.AfterTest;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class demoguru {

    WebDriver wd = new ChromeDriver();

    @Test
    public void f1() {
        wd.findElement(By.name("userName")).sendKeys("admin");
        wd.findElement(By.name("password")).sendKeys("admin");
        wd.findElement(By.name("submit")).click();
        System.out.println("I am in f1");
    }

    @Test
    public void f2() {
        wd.findElement(By.linkText("REGISTER")).click();
        System.out.println("I am in f2");
    }

    @BeforeMethod
    public void beforeMethod() {
        wd.findElement(By.linkText("Home")).click();
        System.out.println("I am in before method");
    }

    @AfterMethod
    public void afterMethod() {
        wd.findElement(By.linkText("Vacations")).click();
        System.out.println("I am in after method");
    }

    @BeforeTest
```

```
    public void beforeTest() {
        System.setProperty("webdriver.chrome.driver",
    "D:\\selenium\\Chromedriver.exe");
        wd.get("https://demo.guru99.com/test/newtours/index.php");
        System.out.println("I am in before test");
    }

    @AfterTest
    public void afterTest() {
        wd.close();
        System.out.println("I am in after test");
    }
```

Output :

```
<terminated> demoguru [TestNG] C:\Program Files\Java\jdk-20\bin\javaw.exe (08-Nov-.
[RemoteTestNG] detected TestNG version 7.4.0
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further
Nov 08, 2023 3:01:07 PM org.openqa.selenium.devtools.CdpVersionFind
WARNING: Unable to find an exact match for CDP version 119, so retu
I am in before test
I am in before method
I am in f1
I am in after method
I am in before method
I am in f2
I am in after method
I am in after test
PASSED: f2
PASSED: f1

===============================================
    Default test
    Tests run: 2, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
===============================================
```
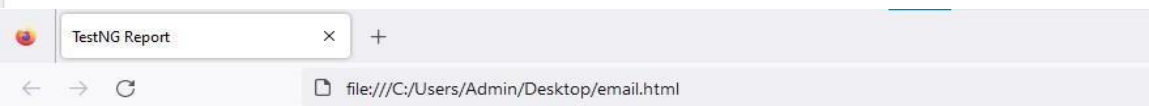
TestNG Report   ×   +

← → C   file:///C:/Users/Admin/Desktop/email.html

Test	# Passed	# Skipped	# Retried	# Failed	Time (ms)	Included Groups	Excluded Groups
Default suite							
Default test	2	0	0	0	6,515		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
TestNg demoguru	f1	1699435870630	1129
	f2	1699435873000	595

Default test

TestNg.demoguru#f1

TestNg.demoguru#f2

Aim: Demonstrate data driven Framework

```java
package stqateju;

import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;

import org.apache.poi.xssf.usermodel.XSSFCell;
import org.apache.poi.xssf.usermodel.XSSFRow;
import org.apache.poi.xssf.usermodel.XSSFSheet;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class datadriven {
    public static void main(String[] args) throws IOException {
        System.setProperty("webdriver.chrome.driver", "C:\\chromedriver-
win64\\ChromeDriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("https://demo.guru99.com/test/newtours/");

        // Read data from Excel file
        FileInputStream fis = new FileInputStream("C:\\Selenium\\demoexcel.xlsx");
        XSSFWorkbook wk = new XSSFWorkbook(fis);
        XSSFSheet sh = wk.getSheet("WriteOHM");

        // Loop through each row in the Excel sheet
        for (int i = 1; i <= sh.getLastRowNum(); i++) {
            XSSFRow rw = sh.getRow(i);
            XSSFCell un = rw.getCell(0);
            XSSFCell pw = rw.getCell(1);
            XSSFCell res = rw.createCell(2);

            System.out.println(un + " " + pw);
            wd.findElement(By.name("userName")).sendKeys(un.toString());
            wd.findElement(By.name("password")).sendKeys(pw.toString());

wd.findElement(By.xpath("/html/body/div[2]/table/tbody/tr/td[2]/table/tbody/tr[4]/td/table/t
body/tr/td[2]/table/tbody/tr[2]/td[3]/form/table/tbody/tr[4]/td/table/tbody/tr[4]/td[2]/div/inpu
t")).click();

            try {
                wd.findElement(By.linkText("SIGN-OFF")).click();
                System.out.println("Login Pass");
```

```
        res.setCellValue("Valid");
    } catch (Exception e) {
        System.out.println("Login Fail");
        res.setCellValue("Invalid");
    }
}


    fis.close();
    FileOutputStream fos = new FileOutputStream("C:\\Selenium\\demoexcel.xlsx");
    wk.write(fos);
    fos.close();
  }
}
```

OUTPUT:

```
ERROR StatusLogger Log4j2 (
Dec 12, 2023 10:50:25 AM or
WARNING: Unable to find an
admin admin
Login Pass
admin 1234.0
Login Fail
teju 2929.0
Login Fail
prerana 1311.0
Login Fail
namrata 207.0
Login Fail
```

A	B	C
username	password	Result
admin	admin	Valid
admin	1234	InValid
teju	2929	InValid
prerana	1311	InValid
namrata	207	InValid