

ASSIGNMENT-4 (Quality Check)

Demonstrate 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");
    }
}

```

```

<terminated> demoguru [TestNG] C:\Program Files\Java\jdk-20\bin\javaw.exe (08-Nov-23 3:01:07 PM)
[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 details
Nov 08, 2023 3:01:07 PM org.openqa.selenium.devtools.CdpVersionFinder findCdpVersion
WARNING: Unable to find an exact match for CDP version 119, so returning the closest match
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

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

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TestNg.demoguru#f2

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Aim: Demonstrate data driven Framework

```
package stqateju;
import java.io.FileInputStream;
import java.io.FileNotFoundException;
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/");
        FileInputStream fis = new FileInputStream("C:\\Selenium\\demoexcel.xlsx");//> Read
data from file
        XSSFWorkbook wk= new XSSFWorkbook(fis);
        XSSFSheet sh = wk.getSheet("WriteOHM");// -----> data to be written
        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[2]/table/tbody/tr[4]/td/table/tb
ody/tr[td[2]/table/tbody/tr[2]/td[3]/form/table/tbody/tr[4]/td/table/tbody/tr[4]/td[2]/div/input")).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("In Valid");
            }
        }
        fis.close();
    }
}
```

```

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

```

OUTPUT:

```

ERROR StatusLogger Log4j2 c
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	

