**Maven pom.xml**

<?xml version="1.0" encoding="UTF-8"?>

<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>org.example</groupId>

<artifactId>DevOpsVTU-Maven</artifactId>

<version>1.0-SNAPSHOT</version>

<dependencies>

<dependency>

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

<artifactId>selenium-java</artifactId>

<version>4.28.1</version>

</dependency>

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.4.0</version>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-resources-plugin</artifactId>

<version>3.2.0</version>

<executions>

<execution>

<phase>prepare-package</phase> <!-- Before packaging -->

<goals>

<goal>copy-resources</goal>

</goals>

<configuration>

<outputDirectory>${project.basedir}/docs</outputDirectory> <!-- Deploy to /docs -->

<resources>

<resource>

<directory>src/main/resources</directory> <!-- Source directory -->

<includes>

<include>\*/</include> <!-- Copy all files in src/main/resources -->

</includes>

</resource>

</resources>

</configuration>

</execution>

</executions>

</plugin>

</plugins>

</build>

<properties>

<maven.compiler.source>17</maven.compiler.source>

<maven.compiler.target>17</maven.compiler.target>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

</project>

**Css for Maven**

body {

font-family: Arial, sans-serif;

background-color: #f4f4f4;

text-align: center;

}

header img {

width: 100px;

}

**HTML for Maven**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>My Simple Website</title>

<link rel="stylesheet" href="mvn.css">

</head>

<body>

<header>

<img src="welcome1.png" alt="Logo">

</header>

<h1>Welcome to My Simple Website</h1>

</body>

</html>

**Webpage test for Maven**

package org.test;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

import static org.testng.Assert.assertTrue;

public class WebpageTest {

private static WebDriver driver;

@BeforeTest

public void openBrowser() throws InterruptedException {

driver = new ChromeDriver();

driver.manage().window().maximize();

Thread.sleep(2000);

driver.get("https://github.com/NANDITHA-nan/DevOps-MVN"); // "Note: You should use your GITHUB-URL here...!!!"

}

@Test

public void titleValidationTest(){

String actualTitle = driver.getTitle();

String expectedTitle = "My Simple Website";// title should be match with the index.html title

Assert.assertEquals(driver.getTitle(), "GitHub - NANDITHA-nan/DevOps-MVN: maven");

//given github login username and the repository name with description

assertTrue(true, "Title should contain 'ci/cd'");

}

@AfterTest

public void closeBrowser() throws InterruptedException {

Thread.sleep(1000);

driver.quit();

}

}

**Build.gradle for gradle**

plugins {

id 'application'

}

repositories {

mavenCentral()

}

dependencies {

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

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

implementation group: 'org.seleniumhq.selenium', name: 'selenium-java', version: '4.33.0' //gradle long

// https://mvnrepository.com/artifact/org.testng/testng

testImplementation group: 'org.testng', name: 'testng', version: '7.11.0'

}

application {

mainClass = 'org.example.Main'

}

**Css for Gradle**

body {

font-family: Arial, sans-serif;

background-color: #f4f4f4;

text-align: center;

}

header img {

width: 100px;

}

**HTML for Gradle**

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<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>My Simple Website</title>

<link rel="stylesheet" href="mvn.css">

</head>

<body>

<header>

<img src="welcome1.png" alt="Logo">

</header>

<h1>Welcome to My Simple Website</h1>

</body>

</html>

**Webpage test for gradle**

package org.test;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

import static org.testng.Assert.assertTrue;

public class WebpageTest {

private static WebDriver driver;

@BeforeTest

public void openBrowser() throws InterruptedException {

driver = new ChromeDriver();

driver.manage().window().maximize();

Thread.sleep(2000);

driver.get("https://github.com/NANDITHA-nan/DevOps-GRD"); // "Note: You should use your GITHUB-URL here...!!!"

}

@Test

public void titleValidationTest(){

String actualTitle = driver.getTitle();

String expectedTitle = "My Simple Website";// title should be match with the index.html title

Assert.assertEquals(driver.getTitle(), "GitHub - NANDITHA-nan/DevOps-GRD");

//given github login username and the repository name with description

assertTrue(true, "Title should contain 'ci/cd'");

}

@AfterTest

public void closeBrowser() throws InterruptedException {

Thread.sleep(1000);

driver.quit();

}

}