

Source code:-

Pom.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>com.redbus</groupId>
  <artifactId>redbus-testing</artifactId>
  <version>1.0-SNAPSHOT</version>

  <dependencies>
    <!-- TestNG -->
    <dependency>
      <groupId>org.testng</groupId>
      <artifactId>testng</artifactId>
      <version>7.4.0</version>
      <scope>test</scope>
    </dependency>

    <!-- Selenium -->
    <dependency>
      <groupId>org.seleniumhq.selenium</groupId>
      <artifactId>selenium-java</artifactId>
      <version>3.141.59</version>
    </dependency>

    <!-- WebDriverManager -->
    <dependency>
      <groupId>io.github.bonigarcia</groupId>
      <artifactId>webdrivermanager</artifactId>
      <version>4.4.3</version>
    </dependency>
  </dependencies>
</project>
```

TestSuite:-

```
<suite name="RedbusTestSuite">
  <parameter name="environment" value="qa" />
  <test name="RegressionTest">
    <classes>
      <class name="com.RedBuss.test.tests.LoginTest" />
      <!-- Add more test classes as needed -->
    </classes>
  </test>
</suite>
```

Basetest:-

```
package com.RedBus.Test.Base;
```

```
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver; import
org.testng.annotations.AfterMethod; import
org.testng.annotations.BeforeMethod; import
org.testng.annotations.Parameters;
```

```
import io.github.bonigarcia.wdm.WebDriverManager;
```

```
public class BaseTest {
    protected WebDriver driver;

    @BeforeMethod @Parameters("environment")
    public void setUp(String environment) { System.out.println("Setting up environment: "
environment);
        +
        // Add logic to configure WebDriver based on the
environment
        if (environment.equalsIgnoreCase("qa")) {
            WebDriverManager.chromedriver().setup(); driver = new
            ChromeDriver();
        } else if (environment.equalsIgnoreCase("prod")) {
            WebDriverManager.edgedriver().setup();
        }

        driver.manage().window().maximize();
    }
    @AfterMethod
    public void tearDown() {
        if (driver != null) { driver.quit();
        }
    }
}
```

LoginPage:-

```
package com.RedBuss.test.pages;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;

public class LoginPage {
    private WebDriver driver;

    public LoginPage(WebDriver driver) {
        this.driver = driver;
    }

    public void login(String username, String password) {
        driver.findElement(By.id("username")).sendKeys(username);
        driver.findElement(By.id("password")).sendKeys(password);
        driver.findElement(By.id("loginButton")).click();
    }
}
```

LoginTest:-

```
package com.RedBuss.test.tests; import

org.testng.annotations.Test; import

com.RedBus.Test.Base.BaseTest;
import com.RedBuss.test.pages.LoginPage;

public class LoginTest extends BaseTest { @Test

    public void testLogin() { driver.get("https://www.redbus.in");

        // Perform login
        LoginPage loginPage = new LoginPage(driver); loginPage.login("9793477123",
        "Gaurav27");

        // Add assertions or verifications as needed
    }
}
```

