

```
// Project: nopCommerce Admin Automation (POM Structure)
// Tool: Selenium WebDriver + Java + TestNG
```

```
// Directory Structure:
```

```
// src/
// |— base/
// |   |— BaseTest.java
// |— pages/
// |   |— LoginPage.java
// |   |— DashboardPage.java
// |— tests/
// |   |— LoginTest.java
// |— utils/
//     |— ConfigReader.java
```

```
// ===== base/BaseTest.java =====
package base;
```

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

```
public class BaseTest {
    protected WebDriver driver;
```

```
    @BeforeMethod
```

```
    public void setUp() {
```

```
        System.setProperty("webdriver.chrome.driver", "drivers/chromedriver.exe");
```

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

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

```
        driver.get("https://admin-demo.nopcommerce.com/login?ReturnUrl=%2Fadmin%2F");
```

```
    }
```

```
    @AfterMethod
```

```
    public void tearDown() {
```

```
        if (driver != null) {
```

```
            driver.quit();
```

```
        }
```

```
    }
```

```
}
```

```
// ===== pages/LoginPage.java =====
package pages;
```

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

```

public class LoginPage {
    private WebDriver driver;

    private By emailField = By.id("Email");
    private By passwordField = By.id("Password");
    private By loginButton = By.cssSelector("button[type='submit']");

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

    public void enterEmail(String email) {
        driver.findElement(emailField).clear();
        driver.findElement(emailField).sendKeys(email);
    }

    public void enterPassword(String password) {
        driver.findElement(passwordField).clear();
        driver.findElement(passwordField).sendKeys(password);
    }

    public void clickLogin() {
        driver.findElement(loginButton).click();
    }

    public void loginToAdmin(String email, String password) {
        enterEmail(email);
        enterPassword(password);
        clickLogin();
    }
}

// ===== pages/DashboardPage.java =====
package pages;

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

public class DashboardPage {
    private WebDriver driver;
    private By dashboardHeader = By.cssSelector("h1");

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

    public String getDashboardHeader() {
        return driver.findElement(dashboardHeader).getText();
    }
}

```

```

    }

    public boolean isDashboardVisible() {
        return driver.findElement(dashboardHeader).isDisplayed();
    }
}

// ===== tests/LoginTest.java =====
package tests;

import base.BaseTest;
import org.testng.Assert;
import org.testng.annotations.Test;
import pages.LoginPage;
import pages.DashboardPage;

public class LoginTest extends BaseTest {

    @Test
    public void verifyLoginWithValidCredentials() {
        LoginPage loginPage = new LoginPage(driver);
        DashboardPage dashboardPage = new DashboardPage(driver);

        loginPage.loginToAdmin("admin@yourstore.com", "admin");

        Assert.assertTrue(dashboardPage.isDashboardVisible(), "Dashboard not visible. Login
may have failed.");
    }
}

```