

Project Structure for Full Automation Suite:

1. Directory Structure

MeeshoAutomation

- | - src
 - | - main
 - | - test
 - | - java
 - | - auth
 - | - UserAuthenticationTest.java
 - | - cart
 - | - AddToCartTest.java
 - | - product
 - | - ProductBrowsingTest.java
 - | - search
 - | - SearchFunctionalityTest.java
- | - pom.xml

2. Dependencies (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.meesho</groupId>

<artifactId>MeeshoAutomation</artifactId>

<version>1.0-SNAPSHOT</version>

<dependencies>

    <dependency>

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

        <artifactId>selenium-java</artifactId>

        <version>4.6.0</version>

    </dependency>

    <dependency>

        <groupId>org.testng</groupId>

        <artifactId>testng</artifactId>

        <version>7.7.0</version>

        <scope>test</scope>

    </dependency>

</dependencies>

</project>
```

3. Test Scripts

```
#### src/test/java/auth/UserAuthenticationTest.java
```

```
package auth;
```

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

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

```
import org.openqa.selenium.WebElement;
```

```
import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;


public class UserAuthenticationTest {

    WebDriver driver;


    @BeforeMethod

    public void setup() {

        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");

        driver = new ChromeDriver();

        driver.get("https://www.meesho.com/");

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

    }


    @Test

    public void loginTest() {

        driver.findElement(By.xpath("//a[text()='Login']")).click();

        driver.findElement(By.id("email")).sendKeys("valid_email@example.com");

        driver.findElement(By.id("password")).sendKeys("valid_password");

        driver.findElement(By.xpath("//button[text()='Login']")).click();


        WebElement profileName = driver.findElement(By.xpath("//span[@class='profile-name']"));

        Assert.assertTrue(profileName.isDisplayed(), "Login Failed");

    }

}
```

@AfterMethod

```
public void tearDown() {  
    driver.quit();  
}  
}
```

src/test/java/cart/AddToCartTest.java

package cart;

```
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.testng.Assert;  
import org.testng.annotations.AfterMethod;  
import org.testng.annotations.BeforeMethod;  
import org.testng.annotations.Test;
```

```
public class AddToCartTest {
```

```
    WebDriver driver;
```

@BeforeMethod

```
public void setup() {  
    System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");  
    driver = new ChromeDriver();  
    driver.get("https://www.meesho.com/");  
}
```

```

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

    @Test

    public void addToCartTest() {

        WebElement searchBar = driver.findElement(By.xpath("//input[@placeholder='Search for products']"));

        searchBar.sendKeys("sarees");

        searchBar.submit();

        driver.findElement(By.xpath("//button[text()='Add to Cart'][1]")).click();

        WebElement cartIcon = driver.findElement(By.xpath("//a[@href='/cart']"));

        cartIcon.click();

        WebElement cartItem = driver.findElement(By.xpath("//div[contains(@class, 'cart-item')]"));

        Assert.assertTrue(cartItem.isDisplayed(), "Add to Cart failed");

    }

    @AfterMethod

    public void tearDown() {

        driver.quit();

    }

}

```

```

#### src/test/java/product/ProductBrowsingTest.java

package product;

```

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

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;


public class ProductBrowsingTest {

    WebDriver driver;


    @BeforeMethod

    public void setup() {

        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");

        driver = new ChromeDriver();

        driver.get("https://www.meesho.com/");

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

    }


    @Test

    public void browseProductsTest() {

        driver.findElement(By.xpath("//a[text()='Women']")).click();


        WebElement productCategory = driver.findElement(By.xpath("//h2[text()='Sarees']"));

        Assert.assertTrue(productCategory.isDisplayed(), "Category navigation failed");

    }

}
```

```

}

@AfterMethod

public void tearDown() {

    driver.quit();

}

}

### 4. Test Configuration (testng.xml)

<suite name="Meesho Automation Suite">

    <test name="Authentication Tests">

        <classes>

            <class name="auth.UserAuthenticationTest"/>

        </classes>

    </test>

    <test name="Cart Tests">

        <classes>

            <class name="cart.AddToCartTest"/>

        </classes>

    </test>

    <test name="Product Browsing Tests">

        <classes>

            <class name="product.ProductBrowsingTest"/>

        </classes>

```

</test>

</suite>