

## 7. Test Case design and Conversion of Mapping and Templates using selenium tool and Manual test cases mapping with Selenium test cases.

Let's take a **real website**, such as <https://opensource-demo.orangehrmlive.com/>

1. A **manual test case**
2. Its **Selenium Java code**
3. The **mapping between the two**

### 1. Manual Test Case Example

Field	Value
Test Case ID	TC_001
Title	Login with valid credentials
Preconditions	User must have valid login credentials
Test Steps	1. Open login page 2. Enter Username 3. Enter Password 4. Click Login
Expected	Dashboard should load and welcome message should be displayed

## 2. Selenium Java Test Script

1. Create Eclipse Java Project
  - a. In Eclipse: Click File → New → Other → Select **Java Project**
  - b. Set Project name **OrangeHRM** . and select **Use an execution environment as java1.8**, Click finish
  - c. **Right-click your project → Build Path → Configure Build Path**
  - d. Go to the **Libraries** tab → Click **Add External JARs**
  - e. Now Add selenium-server
  - f. Click Apply and Save
2. Right Click on src on the project, → New → Class

- a. Set class name **LoginTest** and click finish
- b. Add Program

## Program

```
package OrangeHRM ;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.By;
public class LoginTest {

    public static void main(String[] args) throws InterruptedException {

        WebDriver driver = new ChromeDriver();
        driver.get("https://opensource-demo.orangehrmlive.com/");
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.findElement(By.name("username")).sendKeys("Admin");
        driver.findElement(By.name("password")).sendKeys("admin123");
        driver.findElement(By.cssSelector("button[type='submit']")).click();
        try {
            Thread.sleep(2000);
            boolean isLoggedIn = driver.findElement(By.xpath("//h6[text()='Dashboard']")).isDisplayed();
            if (isLoggedIn) {
                System.out.println("TC_001: PASS - Login successful and dashboard is displayed.");
            } else {
                System.out.println("TC_001: FAIL - Dashboard not found.");
            }
        } catch (Exception e) {
            System.out.println("TC_001: FAIL - Exception occurred: " + e.getMessage());
        }
        driver.quit();
    }
}
```

## Output

TC\_001: PASS - Login successful and dashboard is displayed.

## 3. Manual-to-Selenium Mapping Table (Excel-style)

Open excel and create test case report

Manual Test Case ID	Description	Automated Script Name	Status	Verified Element
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TC_001	Login with valid details	OrangeHRMLoginTest.java	Done	//h6[ text()='Dashboard' ]
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