Let's now build a **custom JSP tag** that:

* ✅ Accepts an **attribute** (e.g., label)
* ✅ Includes and **renders the tag body**
* ✅ Combines the two: e.g., "Label: [body content]"

**✅ Objective Example Output**

If you write:

<sb:labelled label="Note">

This is important.

</sb:labelled>

It should output:

Note: This is important.

**📁 Updated Structure**

CustomTagWithAttributeAndBody/

├── src/

│ └── com/customtags/LabelledTag.java

├── WebContent/

│ ├── index.jsp

│ └── WEB-INF/

│ ├── labelled.tld

│ └── web.xml

**1️⃣ Java Class: LabelledTag.java**

package com.customtags;

import java.io.IOException;

import java.io.StringWriter;

import javax.servlet.jsp.tagext.SimpleTagSupport;

import javax.servlet.jsp.tagext.JspFragment;

import javax.servlet.jsp.JspException;

import javax.servlet.jsp.JspWriter;

public class LabelledTag extends SimpleTagSupport {

private String label;

public void setLabel(String label) {

this.label = label;

}

@Override

public void doTag() throws JspException, IOException {

if (label == null) label = "Label";

// Capture body content

StringWriter sw = new StringWriter();

JspFragment body = getJspBody();

if (body != null) {

body.invoke(sw);

}

// Output combined label and body

JspWriter out = getJspContext().getOut();

out.println(label + ": " + sw.toString().trim());

}

}

**2️⃣ TLD File: labelled.tld**

Save as WEB-INF/labelled.tld

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

<taglib xmlns="http://java.sun.com/xml/ns/javaee"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://java.sun.com/xml/ns/javaee

http://java.sun.com/xml/ns/javaee/web-jsptaglibrary\_2\_1.xsd"

version="2.1">

<tlib-version>1.0</tlib-version>

<short-name>LabelledTag</short-name>

<uri>http://labelledtags</uri>

<tag>

<name>labelled</name>

<tag-class>com.customtags.LabelledTag</tag-class>

<body-content>scriptless</body-content>

<attribute>

<name>label</name>

<required>true</required>

<rtexprvalue>true</rtexprvalue>

</attribute>

</tag>

</taglib>

**3️⃣ JSP File: index.jsp**

<%@ taglib prefix="sb" uri="http://labelledtags" %>

<html>

<head><title>Custom Tag with Attribute & Body</title></head>

<body>

<h2>Example of Custom Tag:</h2>

<sb:labelled label="Note">

This is important.

</sb:labelled>

<sb:labelled label="Reminder">

Don't forget your umbrella!

</sb:labelled>

</body>

</html>

**4️⃣ web.xml (optional, for JSP pre-2.1)**

<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee" version="3.1">

<jsp-config>

<taglib>

<taglib-uri>http://labelledtags</taglib-uri>

<taglib-location>/WEB-INF/labelled.tld</taglib-location>

</taglib>

</jsp-config>

</web-app>

**✅ Output**

Example of Custom Tag:

Note: This is important.

Reminder: Don't forget your umbrella!

**✅ Summary**

* label is passed as an **attribute**
* Tag **body is evaluated**
* Output combines both