



## Case Study: Online Feedback Collection System

### 🎯 Scenario:

A college wants to collect feedback from students on various facilities (library, cafeteria, labs, etc.). The system is **purely JSP-based**, using **JSTL and Directives**, and stores all data in **memory only (no database)** for demo or local testing.



### 💡 Objectives:

- Use **JSP Directives** to include common layouts.
- Use **JSTL Core Tags** to display questions, iterate over submitted feedback, and control visibility.
- Use **EL (Expression Language)** to read submitted values and display them dynamically.

### 📁 Pages Involved:

1. **index.jsp**
  - A welcome page with a link to start the feedback form.
2. **feedbackForm.jsp**
  - Displays a form with multiple facilities (library, lab, etc.) using checkboxes and text inputs.
  - The form posts to `feedbackSummary.jsp`.
3. **feedbackSummary.jsp**
  - Uses JSTL `<c:forEach>` to loop through responses.
  - Shows feedback based on form input.
  - If nothing is selected, uses `<c:if>` to display a "No feedback submitted" message.
4. **thankyou.jsp**
  - Simple thank-you message using EL to greet the user.
5. **header.jsp / footer.jsp**
  - Included using `<%@ include %>` directive on every page for layout consistency.

## SOLUTION :

```
//index.jsp

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Feedback System</title>
</head>
<body>
<%@ include file="header.jsp" %>

<h2>Welcome to the Feedback System</h2>
<p>Please click the button below to give your feedback.</p>

<form action="FeedbackForm.jsp" method="get">
    <input type="submit" value="Give Feedback">
```

```
</form>

<%@ include file="footer.jsp" %>

</body>

</html>

//header.jsp

<%@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title> Feedback System</title>
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 20px;
  }
  h2 {
    color: navy;
  }
  hr {
    border: 0;
    height: 1px;
    background-color: lightblue;
  }
</style>
</head>

<body>

</body>
</html>

//footer.jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>

<hr>
<p>&copy; 2025 College Feedback Portal</p>

</body>
</html>

//FeedbackForm.jsp
```

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Feedback Form</title>
</head>
<body>

<%@ include file="header.jsp" %>

<h3>Student Feedback Form</h3>

<form action="FeedbackSummary.jsp" method="post">

    <label>Student Name:</label>
    <input type="text" name="studentName" required />
    <br><br>

    <p>Select the facilities you want to give feedback on and provide your comments:</p>

    <label><input type="checkbox" name="facilities" value="Library" /> Library</label><br>
    <textarea name="libraryComment" rows="2" cols="40" placeholder="Comments on
    Library"></textarea><br><br>

    <label><input type="checkbox" name="facilities" value="Cafeteria" /> Cafeteria</label><br>
    <textarea name="cafeteriaComment" rows="2" cols="40" placeholder="Comments on
    Cafeteria"></textarea><br><br>

    <label><input type="checkbox" name="facilities" value="Labs" /> Labs</label><br>
    <textarea name="labsComment" rows="2" cols="40" placeholder="Comments on
    Labs"></textarea><br><br>

    <label><input type="checkbox" name="facilities" value="Sports Area" /> Sports
    Area</label><br>
    <textarea name="sportsComment" rows="2" cols="40" placeholder="Comments on Sports
    Area"></textarea><br><br>

    <input type="submit" value="Submit Feedback" />

</form>

<%@ include file="footer.jsp" %>

</body>
</html>
```

```
//feedbacksummary.jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Feedback Summary</title>
</head>
<body>

<%@ include file="header.jsp" %>

<h3>Feedback Summary</h3>

<p><strong>Name:</strong> ${param.studentName}</p>

<c:if test="${not empty paramValues.facilities}">
  <p><strong>Facilities Feedback:</strong></p>
  <ul>
    <c:forEach var="facility" items="${paramValues.facilities}">
      <li>
        ${facility} -
        <c:choose>
          <c:when test="${facility == 'Library'}">
            ${param.libraryComment}
          </c:when>
          <c:when test="${facility == 'Cafeteria'}">
            ${param.cafeteriaComment}
          </c:when>
          <c:when test="${facility == 'Labs'}">
            ${param.labsComment}
          </c:when>
          <c:when test="${facility == 'Sports Area'}">
            ${param.sportsComment}
          </c:when>
          <c:otherwise>No comments</c:otherwise>
        </c:choose>
      </li>
    </c:forEach>
  </ul>
</c:if>

<c:if test="${empty paramValues.facilities}">
  <p><em>No feedback submitted.</em></p>
</c:if>

<%@ include file="footer.jsp" %>
```

```
</body>
</html>

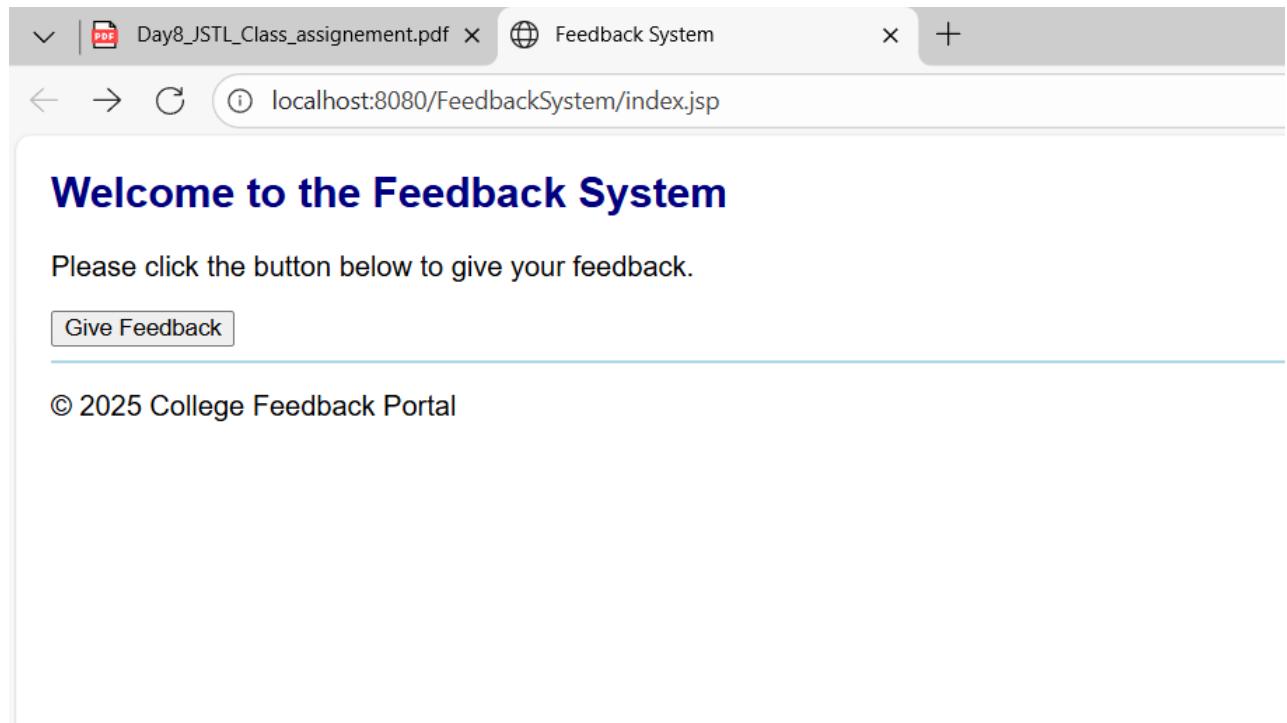
//Thankyou
<%@ page language="java" contentType="text/html; charset=UTF-8"
   pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Thankyou</title>
</head>
<body>
<%@ include file="header.jsp" %>

<h3>Thank You!</h3>
<p>Thank you, <b>$ {param.name}</b>, for submitting your feedback.</p>

<%@ include file="footer.jsp" %>

</body>
</html>
```

## OUTPUT



The screenshot shows a web browser window with the following details:

- Tab Bar:** The left tab is labeled "Day8\_JSTL\_Class\_assignment.pdf" and the right tab is labeled "Feedback System".
- Address Bar:** The URL is "localhost:8080/FeedbackSystem/index.jsp".
- Content Area:**
  - Welcome Message:** "Welcome to the Feedback System"
  - Instruction:** "Please click the button below to give your feedback."
  - Feedback Button:** A blue rectangular button labeled "Give Feedback".
  - Footer:** "© 2025 College Feedback Portal"

Day8\_JSTL\_Class\_assignment.pdf × Feedback Form

localhost:8080/FeedbackSystem/FeedbackForm.jsp?

**Student Feedback Form**

Student Name: Spoorhi B

Select the facilities you want to give feedback on and provide your comments:

Library  
Great

Cafeteria  
Can improvise on food

Labs  
good

Sports Area  
Requires more equipments

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Day8\_JSTL\_Class\_assignment.pdf × Feedback Summary

localhost:8080/FeedbackSystem/FeedbackSummary.jsp

**Feedback Summary**

Name: Spoorhi B

**Facilities Feedback:**

- Library - Great
- Cafeteria - Can improvise on food
- Labs - good
- Sports Area - Requires more equipments

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