



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.

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>
```

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>

<label><input type="checkbox" name="facilities" value="Labs" />
Labs</label>

<textarea name="labsComment" rows="2" cols="40" placeholder="Comments
on Labs"></textarea>

<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:otherwise>No comments</c:otherwise>
```

```
      </c:choose>
```

```
    </li>
```

```
  </c:forEach>
```


</c:if>

<c:if test="\$ {empty paramValues.facilities} ">

<p>No feedback submitted.</p>

</c:if>

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

</body>

</html>

footer.jsp

<% @ page language="java" contentType="text/html; charset=UTF-8"

pageEncoding="UTF-8"%>

<hr>

<p>© 2025 College Feedback Portal</p>

</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>
```

thankyou.jsp

```
<% @ 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>
```

Feedback Form

Student Name:

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

☒ Library

☒ Cafeteria

☒ Labs

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Feedback Summary

Name: Nikhitha

Facilities Feedback:

- Library - Good collection of books
- Cafeteria - Good
- Labs - Great

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