



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"%>

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

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Insert title here</title>

</head>

<body>

    <h2>Welcome to Online Feedback Collection System</h2>

    <a href="FeedbackForm.jsp">Start Feedback</a>

</body>

</html>

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

→FeedbackForm.jsp

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

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

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Insert title here</title>

</head>

<body>

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


Enter Your Name: <input type="text" name="studentName" />

<h3>Select facilities to give feedback on:</h3>

<input type="checkbox" name="facility" value="Library" /> Library

<input type="checkbox" name="facility" value="Labs" /> Labs

<h3>Additional Comments:</h3>

<textarea name="comments" ></textarea>

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

</form>

</body>

</html>

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

→FeedbackSummary.jsp

<% @ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>

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

<html>

<body>

<h2>Feedback Summary</h2>

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

<p>You gave feedback for the following facilities:</p>

<c:forEach var="item" items="\${paramValues.facility}">

\${item}

</c:forEach>

<c:if test="\${not empty param.comments}">

<p>Additional Comments: \${param.comments}</p>

</c:if>

<form action="thankyou.jsp">

<input type="hidden" name="studentName" value="\${param.studentName}" />

<input type="submit" value="Finish">

```
</form>

</body>

</html>

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

→Footer.jsp

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

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Insert title here</title>

</head>

<body>

<hr>

<div style="background-color:#eee; color:#333; padding:10px; margin-top:30px;">

    <p>&copy; 2025 College Feedback System</p>

</div>

</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>

</head>
```

```
<body>

    <div style="background-color:green; color:white;padding:10px;">

        <h1>College Feedback System</h1>

    </div>

</body>

</html>
```

→Thankyou.jsp

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

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

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Thank you page</title>

</head>

<body>

    <h2>Thank you for your valuable feedback!</h2>

</body>

</html>

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