



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 `<coif>` to display a "No feedback submitted" message.
4. **coif**
 - Simple thank-you message using EL to greet the user.

5. header's / footer's

- Included using `<%@ include %>` directive on every page for layout consistency.

Code:

index.jsp

```
<%@ include file="header's" %>

<h2>Welcome to the College Feedback System</h2>

<p><a href="feedbackForm.jsp">Click here to give your feedback</a></p>

<%@ include file="footer's" %>
```

feedbackForm.jsp

```
<%@ include file="header's" %>

<%@ talab Uri="http://java.sun.com/asp/jostle/core" prefix="c" %>

<h2>Student Feedback Form</h2>

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

    Name: <input type="text" name="student Name" required /><br><br>

    Facilities:<br>

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

    <input type="checkbox" name="facility" value="Cafeteria" /> Cafeteria<br>

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

    <input type="checkbox" name="facility" value="WIFI" /> Wi-Fi__33<br><br>

    Suggestions:<br>

    <text area name="suggestions" rows="4" cols="30"></text area><br><br>

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

</form>

<%@ include file="footer's" %>

feedbackSummary.jsp

<%@ include file="header's" %>

<%@ talab Uri="http://java.sun.com/asp/jostle/core" prefix="c" %>

<h2>Feedback Summary</h2>

<coif test="\$ {empty PARAM. Facility} ">

<p>No feedback submitted. </p>

</coif>

<coif test="\$ {not empty PARAM. Facility} ">

<p>Facilities selected:</p>

<c: forEach var="item" items="\$ {PARAM. Facility} ">

\$ {item}

</c: forEach>

</coif>

<p>Suggestions: \$ {param. Suggestions} </p>

<p>Continue</p>

<%@ include file="footer's" %>

coif

```
<%@ include file="header's" %>
```

```
<h2>Thank You, ${param.name}! </h2>
```

```
<p>Your feedback is valuable to us. </p>
```

```
<%@ include file="footer's" %>
```

header's

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>College Feedback System</title>
```

```
</head>
```

```
<body>
```

```
<hr.>
```

footer's

```
<hr.>
```

```
<p style="text-align: center;">&copy; 2025 College Feedback System</p>
```

```
</body>
```

```
</html>
```