

JSTL 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>Studnet Feedback Form</title>
</head>
<body>
<h2>Student Feedback Submit form</h2>
<a href="feedbackForm.jsp">Click Here to Submit your feedback</a>
</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>Internation School</title>

</head>

<body>

<h1>ABC International School</h1>

</body>

</html>
```

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>

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

    <P>&copy;2025 ABC International School Pvt Ltd.</P>

</div>

</body>

</html>
```

feedbackForm.jsp

```
<%@ page language="java" import="java.util.*, model.FeedbackSummary" contentType="text/html;
charset=UTF-8"

    pageEncoding="UTF-8"%>

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

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

```

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Insert title here</title>

</head>

<body>

<h1>Feedback From</h1>

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

    <label for="name">Name</label>

    <input type="text" id="name" name="name"><br>

    <label for="email">Email</label>

    <input type="email" id="email" name="email"><br>

    <h3>Check the facilities you want to give feedback</h3>

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

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

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

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

    Feedback:<textarea id="feedback" name="feedback" ></textarea>

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

</form>

</body>

</html>

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

```

feedbackSummary.jsp

```

<%@ page import="java.util.*, model.FeedbackSummary" %>

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

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

<%

```

```

    String name = request.getParameter("name");

```

```

        String email=request.getParameter("email");
        String[] facilitiesArr = request.getParameterValues("facility");
        List<String> facilities = facilitiesArr != null ? Arrays.asList(facilitiesArr) : new ArrayList<>();
        String feedback = request.getParameter("feedback");

        FeedbackSummary fb = new FeedbackSummary(name, email,facilities, feedback);
        request.setAttribute("feedbackData", fb);
    %>

```

```

<h3>Feedback Summary</h3>

```

```

<p><strong>Name:</strong> ${feedbackData.name}</p>
<p><strong>e-mail:</strong>${feedbackData.email }</p>
<c:if test="${not empty feedbackData.facilities}">
    <p><strong>Facilities selected:</strong></p>
    <ul>
        <c:forEach var="item" items="${feedbackData.facilities}">
            <li>${item}</li>
        </c:forEach>
    </ul>
</c:if>

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

<p><strong>Additional Comments:</strong></p>
<p>${feedbackData.feedback}</p>

<form action="thankyou.jsp" method="post">
    <input type="submit" value="Confirm & Finish" />

```

</form>

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

FeedbackSummary.java

package model;

import java.util.List;

```
public class FeedbackSummary {  
    private String name;  
    private String email;  
    private List<String> facilities;  
    private String feedback;  
    public FeedbackSummary(String name, String email, List<String> facilities, String feedback) {  
        this.name = name;  
        this.email = email;  
        this.facilities = facilities;  
        this.feedback = feedback;  
    }  
    public String getName() {  
        return name;  
    }  
    public String getEmail() {  
        return email;  
    }  
    public List<String> getFacilities() {  
        return facilities;  
    }  
    public String getFeedback() {  
        return feedback;  
    }  
}
```

}

OUTPUT:

...

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Student Feedback Submit form

[Click Here to Submit your feedback](#)

Click on **“Click Here to Submit your feedback”** to open the feedback form.

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Feedback From

Name

Email

Check the facilities you want to give feedback

- ☐ Library
- ☐ Labs
- ☐ ClassRoom
- ☐ PlayGround

Feedback:

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Click on “**Submit**” to open the summary form to confirm Details.



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Feedback Summary

Name: Jonnalagadda Hari Babu

e-mail: jhbc899@gmail.com

Facilities selected:

- Library
- Labs
- Classroom
- PlayGround

Additional Comments:

Excellent

Confirm & Finish

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Click On **“Confirm & finish”** to submit and open the Thank You form.



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Thank You For Submitting Your Feedback

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