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.

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

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


<h3>Welcome to the College Feedback Portal</h3>

<p>We value your opinion. Please take a moment to provide your feedback on our facilities.</p>


<!-- Link to start the feedback form -->

<a href="feedbackForm.jsp">

  <button>Start Feedback</button>

</a>


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

2.header.jsp

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

  pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>
```

```html
<head>

    <meta charset="UTF-8">

    <title>Feedback System</title>

    <style>

        body {

            font-family: Arial, sans-serif;

            margin: 20px;

        }

        header {

            text-align: center;

        }

        nav a {

            margin: 0 10px;

            text-decoration: none;

            color: blue;

        }

    </style>

</head>

<body>

    <header>

        <h2>JNTUA College Feedback System</h2>

        <nav>

            <a href="index.jsp">Home</a>

            <a href="feedbackForm.jsp">Give Feedback</a>

        </nav>

        <hr>

    </header>
```

3.footer.jsp

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

<hr>

<footer style="text-align: center; color: gray; margin-top: 20px;">
    <p>&copy; ....JNTUA College Feedback System....</p>
</footer>

</body>
</html>
```

4.feedbackForm.jsp

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

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


<h3>Student Feedback Form</h3>


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

    <label>Name:
        <input type="text" name="username" required>
    </label>

    <br><br>


    <p>Please select the facilities you are providing feedback on:</p>


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

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

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

    <label><input type="checkbox" name="facilities" value="Sports"> Sports</label><br><br>
```

```jsp
<label>Additional Comments:</label><br>

<textarea name="comments" rows="4" cols="40"></textarea><br><br>


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

</form>
```

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

5.feedbackSummary.jsp

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

   pageEncoding="UTF-8"%>

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

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


<h3>Feedback Summary for ${param.username}</h3>


<!-- If no facilities selected -->

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

   <p style="color:red;">You did not select any facilities.</p>

</c:if>


<!-- If facilities selected -->

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

   <p><strong>Facilities Selected:</strong></p>

   <ul>

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

         <li>${facility}</li>

      </c:forEach>
```

```
    </ul>

</c:if>


<!-- Display comments -->

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


<!-- Continue to Thank You page -->

<a href="thankyou.jsp?username=${param.username}">Continue</a>


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

6.thankyou.jsp

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


<h3>Thank you, ${param.username}!</h3>

<p>Your feedback has been recorded.</p>


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