

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.

//index.jsp

```
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<!DOCTYPE html>
<html>
<head>
    <title>College Feedback System</title>
    <style>
        body { font-family: Arial; padding: 20px; }
        header, footer { background: #f2f2f2; padding: 10px; margin-bottom: 20px; }
    </style>
</head>
<body>
<header><h1>College Feedback Portal</h1></header>

<h2>Welcome!</h2>
<p>We value your feedback. Please click below to begin.</p>
<a href="feedbackForm.jsp">Start Feedback</a>

<footer><p>&copy; 2025 College. All rights reserved.</p></footer>
</body>
</html>
```

//feedbackForm.jsp

```
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<!DOCTYPE html>
<html>
```

```

<head>

  <title>Feedback Form</title>

  <style>

    body { font-family: Arial; padding: 20px; }

    header, footer { background: #f2f2f2; padding: 10px; margin-bottom: 20px; }

  </style>
</head>

<body>

<header><h1>College Feedback Portal</h1></header>


<h2>Feedback Form</h2>

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

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

  Facilities:<br>

  <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><br>

  Suggestions:<br>

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

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

</form>


<footer><p>&copy; 2025 College. All rights reserved.</p></footer>

</body>

</html>

```

//feedbackSummary.jsp

```

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

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

```

```
<%@ page import="java.util.*" %>

<%
    request.setCharacterEncoding("UTF-8");
    String username = request.getParameter("username");
    String[] facilities = request.getParameterValues("facilities");
    String suggestions = request.getParameter("suggestions");

    request.setAttribute("username", username);
    request.setAttribute("facilities", facilities);
    request.setAttribute("suggestions", suggestions);
%>

<!DOCTYPE html>

<html>
<head>
    <title>Feedback Summary</title>
    <style>
        body { font-family: Arial; padding: 20px; }
        header, footer { background: #f2f2f2; padding: 10px; margin-bottom: 20px; }
    </style>
</head>
<body>
<header><h1>College Feedback Portal</h1></header>

<h2>Feedback Summary</h2>

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

<c:if test="${not empty facilities}">
    <p><strong>Thank you, ${username}!</strong></p>
```

```
<p>You gave feedback on:</p>
```

```
<ul>
```

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

```
        <li>${facility}</li>
```

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

```
</ul>
```

```
<p><strong>Suggestions:</strong> ${suggestions}</p>
```

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

```
    <input type="hidden" name="username" value="${username}" />
```

```
    <input type="submit" value="Confirm & Finish" />
```

```
</form>
```

```
</c:if>
```

```
<footer><p>&copy; 2025 College. All rights reserved.</p></footer>
```

```
</body>
```

```
</html>
```

```
//thankyou.jsp
```

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>Thank You</title>
```

```
    <style>
```

```
        body { font-family: Arial; padding: 20px; }
```

```
        header, footer { background: #f2f2f2; padding: 10px; margin-bottom: 20px; }
```

```
    </style>
```

```
</head>
```

```
<body>
```

```
<header><h1>College Feedback Portal</h1></header>
```

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

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

```
<footer><p>&copy; 2025 College. All rights reserved.</p></footer>
```

```
</body>
```

```
</html>
```

```
//header.jsp
```

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>College Feedback Portal</title>
```

```
  <style>
```

```
    body {
```

```
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
```

```
      margin: 0;
```

```
      padding: 0;
```

```
      background-color: #fdfdfd;
```

```
    }
```

```
    header {
```

```
      background-color: #34495e;
```

```
      color: white;
```

```
      padding: 20px;
```

```
      text-align: center;
```

```
      font-size: 24px;
```

```
    }
```

```
    main {
```

```
      padding: 30px;
```

```
    min-height: 500px;
}
```

```
footer {
    background-color: #34495e;
    color: white;
    padding: 15px;
    text-align: center;
    font-size: 14px;
    position: relative;
    bottom: 0;
    width: 100%;
}
```

```
.btn {
    padding: 10px 15px;
    background-color: #2ecc71;
    border: none;
    color: white;
    font-size: 16px;
    cursor: pointer;
    border-radius: 5px;
}
```

```
.btn:hover {
    background-color: #27ae60;
}
```

```
input[type="text"], textarea {
    width: 100%;
    padding: 8px;
```

```
margin-top: 5px;
margin-bottom: 15px;
border: 1px solid #ccc;
border-radius: 4px;
}
```

```
label {
    display: block;
    margin-top: 10px;
    font-weight: bold;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<header>
```

```
    College Feedback Portal
```

```
</header>
```

```
<main>
```

```
//footer.jsp
```

```
</main>
```

```
<footer>
```

```
    &copy; 2025 College Name. All rights reserved.
```

```
</footer>
```

```
</body>
```

```
</html>
```