**Case Study: Online Feedback Collection System**

feedback.jsp:

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

<html>

<head><title>Feedback Collection System</title>

</head>

<body>

<h2>Feedback Form</h2>

<form method="post" action="submitFeedback">

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

Email: <input type="email" name="email" required><br><br>

Course: <input type="text" name="course" required><br><br>

Feedback:<br>

<textarea name="feedback" rows="5" cols="40" required></textarea><br><br>

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

</form>

</body>

</html>

FeedbackServlet.java:

package com.example.feedback;

import jakarta.servlet.\*;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.\*;

import java.io.IOException;

@WebServlet("/submitFeedback")

public class FeedbackServlet extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

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

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

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

Cookie[] cookies = request.getCookies();

boolean submitted = false;

if (cookies != null) {

for (Cookie c : cookies) {

if (c.getName().equals("submitted\_" + email)) {

submitted = true;

break;

}

}

}

if (submitted) {

response.setContentType("text/html");

response.getWriter().println("<h3>You have already submitted feedback. Thank you!</h3>");

return;

}

HttpSession session = request.getSession();

session.setAttribute("studentName", name);

session.setAttribute("email", email);

session.setAttribute("course", course);

session.setAttribute("feedback", feedback);

Cookie feedbackCookie = new Cookie("submitted\_" + email, "true");

feedbackCookie.setMaxAge(7 \* 24 \* 60 \* 60); // 1 week

response.addCookie(feedbackCookie);

RequestDispatcher dispatcher = request.getRequestDispatcher("confirm.jsp");

dispatcher.forward(request, response);

}

}

confirm.jsp:

<%@ page session="true" %>

<html>

<head><title>Submission Confirm</title>

</head>

<body>

<h2>Thank You for Your Feedback!</h2>

<p><strong>Name:</strong> <%= session.getAttribute("studentName") %></p>

<p><strong>Email:</strong> <%= session.getAttribute("email") %></p>

<p><strong>Course:</strong> <%= session.getAttribute("course") %></p>

<p><strong>Feedback:</strong> <%= session.getAttribute("feedback") %></p>

</body>

</html>

web.xml:

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns="https://jakarta.ee/xml/ns/jakartaee"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="https://jakarta.ee/xml/ns/jakartaee

https://jakarta.ee/xml/ns/jakartaee/web-app\_5\_0.xsd"

version="5.0">

<display-name>FeedbackSystem</display-name>

<welcome-file-list>

<welcome-file>feedback.jsp</welcome-file>

</welcome-file-list>

</web-app>