Select **one** of the following advanced JSP topics below. In your writing, be sure to explain the “what,” “how,” and “why” of the selected topic. Provide a simple code or code snippet example to further illustrate your thoughts.

* JSP Cookies
* JSP Redirect and Forward
* JSP Sending Email
* JSP File Uploading

**“What,” “How,” and “Why” Questions**

* **What:** What are you writing about? Give the audience a brief overview of the topic by providing them with foundational information (history, background information, etc.).
* **How:** How is the information relevant? Apply personal knowledge (this can be through research or actual practiced knowledge) to build trust with the audience.
* **Why:** Justify your position and/or course of action. The audience needs proof the information you are presenting is creditable and actionable.

JSP, also known as JavaServer Pages or JakartaServer Pages, helps create dynamic web applications. JSP has many components, including cookies, redirect and forward, sending email, and file uploading. The focus of this discussion will be JSP Cookies.

If you are a web or application user, you are probably familiar with cookies or at least have encountered them. These cookies are not store-bought or oven-baked; they are an essential tool for tracking user information. JSP allows us to implement cookie handling (Tutorials Point, 2025). Cookies are "text files" kept on a client computer to track user information (Tutorials Point, 2025). Cookies in JSP are utilized through HTTP through servlet technology or set directly through a browser (Tutorials Point, 2025). In a browser, a server script "sends a set of cookies, " including user information and usually an identification number for later use (Tutorials Point, 2025).

This information is relevant for many reasons. Once a user uses a browser again, it returns the information saved within the cookies for purposes such as "identifying the user" (Tutorials Point, 2025). When using different websites, even just for reading articles, the option to allow or reject cookies is usually presented first thing or quickly after opening a software

Cookies should be utilized when possible to maximize the user experience, increase their chance of returning to the site, and make it easier to retrieve user information without them having to reenter it. Cookies can be implemented in JSP using different methods such as "public void setDomain(String pattern), public String getDomain(), public void setMaxAge(int expiry), public int getMaxAge(), public String getName()," etc. (Tutorials Point, 2025).

Here is a code example of cookies (V, 2020):

<html>

<body>

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

Name: <input type = "text" name = "name">

<br />

city: <input type = "text" name = "city" />

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

</form>

</body>

</html>

<%

Cookie Name = new Cookie("name", request.getParameter("name"));

Cookie city = new Cookie("city", request.getParameter("city"));

Name.setMaxAge(54\*61\*12);

city.setMaxAge(54\*61\*12);

response.addCookie( Name );

response.addCookie( city );

%>

<html>

<body>

<ul>

<li><p><b>Name:</b>

<%= request.getParameter("name")%>

</p></li>

<li><p><b>City:</b>

<%= request.getParameter("city")%>

</p></li>

</ul>

</body>

</html>

**References**

Tutorials Point. (2025, July 15). *JSP - Cookies Handling*. Www.tutorialspoint.com. https://www.tutorialspoint.com/jsp/jsp\_cookies\_handling.htm

V, S. (2020, May 30). *Cookies in JSP*. EDUCBA. https://www.educba.com/cookies-in-jsp/

**Assignment Requirements and Grading:**

* An initial post of approximately 250 words is due by **Thursday, 11:59 p.m., CST**.
* Submit your post by clicking on the assignment link above, then Create Thread. You must create a thread in order to view your peers' posts. Tip: Create your post in a Word document and then copy and paste your work into the thread.
* A minimum of three (3) responses, to the original threads of other students, of 100-200 words each are due by **Sunday, 11:59 p.m., CST**.
* This discussion board is worth **25 Points**.
* To view the rubric grading criteria, click on the following link: [Discussion Board Grading Rubric.](https://content.bellevue.edu/cst/csd/rubricdbv3.pdf)