Select **one** of the topics below. Then, answer the “what,” “how,” and “why” questions below about your selected topic. Provide a simple code example to further illustrate your thoughts.

* JSPs Dynamic verses Static
* JSP Weakness and Strengths

**“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.

For this discussion post, I will be discussing the weaknesses and strengths of JSPs. JavaServer Pages (JSP) creates web applications by embedding Java with HTML or XML pages (GeeksForGeeks, 2018). Servlets are similar to JavaServer Pages but offer more advanced features (GeeksForGeeks, 2018). JSP blends Java's abilities with HTML or XML, making it more manageable than Servlets (GeeksForGeeks, 2018). JSP is also a time saver since less code is needed in order to run a web application, and content can be created for more dynamic UIs (GeeksForGeeks, 2018). As the number of web application users increases, JSP can keep up with this growth (GeeksForGeeks, 2018). Some more strengths of the platform are that it is independent, makes database interactions less complex, and can use objects, custom tags, and libraries (GeeksForGeeks, 2018). JSP is also easier to maintain compared to Servlet (GeeksForGeeks, 2018). JSP does have its weaknesses. Some weaknesses of JSP are that it can be slow when translating JSP to Java pre-compile and takes up more storage than other server page options (Coursera Staff, 2024). JSP is limited to HTTP requests and does not have advanced features (Coursera Staff, 2024). JSP is also more difficult to debug and detect errors, and can face database connectivity problems (Coursera Staff, 2024).

JavaServer Pages are relevant for many reasons. As we progress throughout this course, I foresee us diving deeper into JSP and with it, discovering more ways to utilize it. This means understanding JSP at its core and basics will set a great foundation to work. The GeeksForGeeks website has been a great and trustworthy resource throughout previous courses, which is why it seemed like a credible source to learn more about JSP.

Here is an example of a JSP web page(GeeksForGeeks, 2018):

<!DOCTYPE html>

<html>

<head>

<title>A Web Page</title>

</head>

<body>

<% out.println("Hello there!"); %>

</body>

</html>

**Refereneces**

Coursera Staff. (2024). *JSP vs Servlet: Which Is Right for You?* Coursera. https://www.coursera.org/in/articles/jsp-vs-servlet

GeeksForGeeks. (2018, July 2). *Introduction to JSP*. GeeksforGeeks. https://www.geeksforgeeks.org/introduction-to-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).