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).

Hey, Jessica! I really enjoyed reading your post for this second module. You did a great job of explaining the differences between Dynamic and Static JavaServer Pages. I love it when companies and developers release technology that simplifies over-complicated tasks. This gives us more time to focus on other issues or develop additional code instead of spending time on tedious aspects. So far, how do you feel about using HTML with JSP? At first, I felt a little confused about how to separate the two within one file, but with much research and time, I was able to figure it out.

Hello, Arely! I think you posted another great post for this module, just as you did for the first one. You fully explained the what, how, and why of JSP. Your included code is a perfect example of how a scriptlet can look within a JSP document. I am glad you stressed the importance of understanding that a static page will deliver duplicate content to all users. If you want to bring content to the next level, incorporating dynamic pages is the way to transform it. In addition to your reasoning, understanding the different static and dynamic content helps you know the correct approach to take when developing code.

Hi, Brian! You did an excellent job capturing the strengths and weaknesses of utilizing JavaServer Pages. You included a snippet of code that perfectly conveys your points. I also chose to write about the weaknesses and strengths of JavaServer Pages for my post, so I liked reading a different perspective on it. You also included different sources than I did, so it was informative hearing the insights other authors had to offer. I agree that understanding the benefits and downfalls of technology helps build a better foundation for development. When you understand the shortcomings of something, it is easier to decide the correct path to move forward with.