

Unit 8 Critical Thinking Questions

- 1. Describe the role of middleware and dependencies in connecting databases to websites. Then, describe some problems that might arise from the use of middleware and dependencies.**

Middleware is software that is in the middle of other applications to unify them together. A dependency is where a piece of software relies on another one. The problem with this is if the middle goes out, the unification breaks. If the dependency breaks, everything linked to it goes down.

- 2. Which part of the software development life cycle do you think is most important? Justify your answer.**

I believe the planning phase is the most important phase. I believe this because everything you do comes from the planning phase. Without planning, nothing happens. During the planning phase, every component is made. Then when it is time to implement, you take what you planned and implement it.

- 3. Think about websites that you visit frequently. If you were tasked with doing a competitive analysis of those websites in order to develop a similar website, what would you learn from the experience?**

By doing a competitive analysis of another website, I would learn better features and tactics I could implement into my own site. For example, if I find something they use or do and I find would be beneficial for my website, I could use that. Many companies do that to better improve themselves and compete with others.

- 4. Describe the difference between staging and committing when using a repository. Use a comparison that would help the concept make sense to someone who is not familiar with it.**
- They are two different steps. Staging comes before committing. Staging is where you get the file ready to commit. Then committing the file is when you are actually making the change to the file(s) official.

- 5. Imagine that you manage a web development team. You are meeting with a company that makes cars in order to plan for a complete website redesign. What are the most important things for you to ask during this meeting?**

- What their goal is with a website redesign (the purpose of the project)
 - Technical requirements
 - Design preferences
- When they want it done by