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CS-499

7/20/25

**Part 1**

1. I think an ePortfolio can be used in several ways, but the most valuable is its ability to demonstrate proven skills and achievements to a potential employer in a clear, well-organized format. A GitHub repository linked to a LinkedIn profile or personal website can be especially powerful for showcasing code and project history (Selingo, 2017).
2. It’s important to maintain privacy and protect intellectual property when presenting technical work online. This means removing sensitive data such as API keys, passwords, and real-world user information. When proprietary or client-based content is involved, it’s safer to use screenshots, pseudocode, or general descriptions. Adding appropriate licenses and giving credit to open-source tools also helps maintain ethical standards and legal protection (Educause, 2020).
3. A major risk is accidentally posting intellectual property that belongs to an employer, university, or another party. Another risk is that publicly posted code could be copied or reused without attribution. There’s also the chance that incomplete or poorly documented work might create a negative impression if viewed without explanation or context.
4. So far, I’ve learned how to conduct a thorough code review, selected appropriate artifacts for each CS-499 category, and developed enhancement plans for each one. This demonstrates progress in critical problem analysis and solution planning. The next step is implementing those enhancements to strengthen the functionality, structure, and clarity of each artifact.

**Part 2**

I’ve begun enhancing my DAD Final Project for the Algorithms and Data Structures category. During the code review, I identified that the code was not well documented and would require additional comments to clarify the purpose of each function. I’ve since added comments to most of the program and started implementing new sorting functions as discussed in my review. My next step will be improving the printCourseInfo() function to handle a larger data set more efficiently and ensure scalability as part of the program’s core design.

**References**

Educause. (2020). *7 things you should know about ePortfolios*. https://library.educause.edu/resources/2020/3/7-things-you-should-know-about-eportfolios

Selingo, J. J. (2017). *There is life after college: What parents and students should know about navigating school to prepare for the jobs of tomorrow*. HarperBusiness.