

Part one:

1. How might you use an ePortfolio for the benefit of self-promotion?
 - a. An ePortfolio can act as a dynamic and visually engaging representation of my capabilities, skills, and experiences. It provides potential employers or collaborators with access to my professional achievements and growth in a centralized location. By including projects, case studies, and tangible results, I can effectively demonstrate my problem-solving abilities, technical expertise, and adaptability. Moreover, incorporating multimedia elements such as project videos, code snippets, or infographics can make my ePortfolio more engaging and leave a lasting impression during job interviews or application reviews.
2. How might you mitigate risks while maximizing the marketing potential of the ePortfolio?
 - a. To mitigate risks, I would carefully curate the content shared on my ePortfolio, ensuring it only includes non-sensitive, non-proprietary, and professional work. For projects that involve sensitive intellectual property or client data, I would use summaries or anonymized versions that demonstrate my contributions without disclosing protected information. Additionally, I would limit public visibility of certain sections by requiring a password or restricting access to recruiters or trusted professionals. By keeping my ePortfolio regularly updated with my latest accomplishments and aligning it with industry trends, I can maximize its marketing potential and ensure its relevance.
3. Describe possible downsides or risks—for instance, the risks of posting intellectual property online for public consumption.

- a. The primary risk of posting intellectual property online is the potential for unauthorized use, duplication, or plagiarism of my work. For example, showcasing proprietary code or design specifications could inadvertently expose sensitive information to competitors or malicious actors. There is also a risk of oversharing, where too much personal information could compromise professional boundaries. To manage these risks, I would limit the exposure of proprietary details, use watermarks where appropriate, and implement licensing terms or disclaimers to clarify ownership and usage rights.
4. Which course outcomes have you achieved so far, and which ones remain?
 - a. I have achieved significant progress in areas related to software design and engineering, particularly in creating modular, scalable solutions for complex problems. I have also gained proficiency in algorithms and data structures, including implementing and optimizing various sorting and search techniques. However, I still need to enhance my work in databases, particularly by improving my skills in advanced query optimization and database normalization. These areas will be my focus moving forward to ensure I meet all course outcomes comprehensively.

Part two:

Checkpoint	Software Design and Engineering	Algorithms and Data Structures	Databases
Name of Artifact Used	Code 2 C++ Advising Assistance Program	Code 2 C++	Code 1 Python
Status of Initial Enhancement	Identified areas for modularization, naming improvements, and documentation	Identified the need for hash table implementation and algorithm documentation	Highlighted the need for secure credentials, error handling, and optimized queries

Submission Status	Initial enhancements reviewed	Initial enhancements reviewed	Initial enhancements reviewed
Status of Final Enhancement	Refined code structure and added unit tests for better maintainability	Replaced linear search with hash table, validated input, and documented algorithms	Secured credentials, implemented error handling, and optimized database queries
Uploaded to ePortfolio	Yes	Yes	Yes
Status of Finalized ePortfolio	Section finalized	Finalized and ready for submission	Finalized and ready for submission