3-1 Journal: Marketing With **ePortfolio** and Artifact

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CS-499: Computer Science Capstone

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Part One: ePortfolio

1. **How might you use an ePortfolio for self-promotion?**

An ePortfolio can show my skills, projects, and achievements to potential employers. I can use it to show off my best work, demonstrate my problem-solving abilities, and provide proof of my technical expertise. By organizing it in an effective manner, I can tailor it to job applications, making it a powerful tool during interviews.

2. **How can I mitigate risks while maximizing marketing potential?**

To balance self-promotion and risk management, I would carefully select artifacts that do not contain sensitive or proprietary information. For example, the AnimalShelter class is a safe choice because it uses generic database operations. I would also consider using platforms with privacy controls to limit access if needed. Another strategy is to share partial code snippets or high-level explanations instead of full repositories, ensuring intellectual property protection while still demonstrating expertise.

3. **Describe possible downsides or risks of posting intellectual property online for public consumption.**

One risk is exposing intellectual property, such as code or designs, to unauthorized use. To address this, I could apply for open-source licenses or avoid posting full project details. Another concern is maintaining the portfolio's relevance; outdated content might misrepresent my current abilities. Regular updates and curation are essential. Finally, excessive personal

reflection could distract from technical accomplishments, so I would aim for a balance between professionalism and personal insight.

4. **Which course outcomes have you achieved so far, and which ones remain?**

I have successfully demonstrated outcomes related to software design principles, basic database implementation, and algorithm optimization. Currently, I'm working to complete outcomes involving advanced data structures, full-stack deployment with cloud integration, and comprehensive project documentation. The remaining work focuses on refining these areas and ensuring all projects meet professional presentation standards.

Part Two: Status Checkpoints Table

Checkpoint	Software Design & Engineering	Algorithms and Data Structures	**Databases**
Name of Artifact Used	WeightTracker App (Java/Android)	Pathfinding Algorithm Optimization	User Data Storage (SQLite)
Status of Initial Enhancement	Refactored for SOLID principles	Improved time complexity analysis	Normalized database schema
Submission Status	Ready for review	Testing phase	Query optimization in progress
Status of Final Enhancement	Needs UI/UX polish	Requires edge-case testing	Finalizing backup system
Uploaded to ePortfolio	Partial (code samples only)	Not yet uploaded	Draft documentation posted
Status of Finalized ePortfolio	Target: June 10th	Target: June 12th	Target: June 15th