**CS 499 Journal – Module Three: ePortfolio and Status Checkpoint**

**Part One**  
 An ePortfolio is a powerful self-promotion tool because it allows me to showcase my technical skills, growth, and practical experience through real code artifacts. It gives employers an interactive and visual way to evaluate my capabilities beyond a résumé. In interviews, it helps me walk through my contributions in detail and explain my design decisions confidently.

To mitigate risks while maximizing the ePortfolio’s value, I avoid posting any proprietary code or sensitive data. I focus only on academic or personal projects and strip out any credentials, API keys, or internal logic tied to real-world clients or companies. If necessary, I may use private GitHub repositories and grant view access only upon request.

A potential downside is that showcasing code publicly might unintentionally expose intellectual property or suboptimal work if not reviewed carefully. To minimize this, I review all code thoroughly and ensure it reflects best practices and security awareness.

So far, I’ve achieved the following course outcomes:

* Demonstrated use of tools and techniques in computing practices
* Evaluated and designed computing solutions using standard practices
* Developed a security mindset in project structure

Remaining outcomes include:

* Creating fully finalized ePortfolio deliverables
* Further demonstrating collaborative communication techniques across diverse audiences

**Part Two: Status Checkpoints for All Categories**

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| --- | --- | --- | --- |
| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | Crypto Tracker Android App (from CS 360) | A\* Pathfinding Enhancement (from CS 260 project) | Bookstore SQL Database Project (from CS 340) |
| **Status of Initial Enhancement** | Refactored into Clean Architecture, added Jetpack Compose | Replaced Dijkstra’s with A\* search + visualization | Schema reviewed and normalization plan outlined |
| **Submission Status** | Initial enhancement written, pending code review video | In progress, pseudocode finalized | Not yet submitted |
| **Status of Final Enhancement** | Planning Compose animations and additional UI polishing | Finalizing data structure improvements | Will implement stored procedures and analytics dashboard |
| **Uploaded to ePortfolio** | Not yet | Not yet | Not yet |
| **Status of Finalized ePortfolio** | In progress | In progress | In progress |