David King

1/31/2025

CS 499

Module 3 Journal

The ePortfolio is an apt showcase of my ability to enhance legacy artifacts, implement new ideas, and adhere to best practices in a modern environment. This specific artifact shows my ability to implement modularity and error handling to write scalable, secure code. Code security is further ensured via the removal of proprietary information from comments prior to publishing and maintaining open-source licensing frameworks, clear documentation, and showcasing skills in a way that does not expose any proprietary coding methods.

An ePortfolio is not without security risk. Allowing external code review opens my work up to plagiarism or vulnerability exploitation. However, the visibility afforded by the ePortfolio represents an important step in establishing my professional abilities to prospective employers.

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| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | CS 405 Module 1 Assignment\_King |  |  |
| **Status of Initial Enhancement** | Complete |  |  |
| **Submission Status** | Complete |  |  |
| **Status of Final Enhancement** | Incomplete, pending Module |  |  |
| **Uploaded to ePortfolio** | Incomplete, pending instructor review |  |  |
| **Status of Finalized ePortfolio** | Incomplete |  |  |