Noah Lane Garza

CS-499 Computer Science Capstone

9/21/2024

**3-1 Journal: Marketing with ePortfolios and Artifact Update**

An ePortfolio can be a great tool for promoting oneself. This would allow me to showcase my capabilities, knowledge, and skills in a visually engaging format. By gathering a selection of my best work, I can demonstrate my expertise in areas like software design and databases, making it easier for potential employers to see my qualifications during interviews. To mitigate risks while maximizing the marketing potential of my ePortfolio, I plan to carefully select the projects I include, ensuring I don’t disclose sensitive information or intellectual property. Privacy settings and thoughtful presentation can help protect my work while still highlighting my contributions. However, there are downsides to consider, such as the risk of unauthorized use of my posted work or the potential for a poorly made portfolio to negatively impact my professional image. So far, I have achieved significant progress in understanding software design principles and have developed basic skills in database management. However, I still need to enhance my knowledge in algorithms and data structures and improve much more on databases which are crucial for my career development.

**Status Checkpoints for All Categories**

|  |  |  |  |
| --- | --- | --- | --- |
| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | Unit Testing Project | Binary Tree Implementation | Android Application Database (DBHelper) |
| **Status of Initial Enhancement** | incorporating feedback with comments, adding key variables, and implementing additional tests to improve functionality and robustness. | Will enhance commenting, Error Handling, Key Variables instead of hard putting strings, refactor code into functions, add more robust functionality, implement balanced Binary Tree. | Implement Room Library, Add more detailed comments, Checks and validation for inserted data, optimize dataset tables, add security to database. |
| **Submission Status** | Submitted | Not Submitted | Not Submitted |
| **Status of Final Enhancement** | Updated Comments, Key Variables and implanted/fixed test functionality | In progress | In progress |
| **Uploaded to ePortfolio** | Yes | No | No |
| **Status of Finalized ePortfolio** | Completed | Not yet Finalized | Not yet finalized |