CS 499 Journal Entry

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**Part One**:

**How might you use an ePortfolio for the benefit of self-promotion?**

The main purpose of the eprotfolio is to serves as a powerful tool for own’s growth, self-promotion by showcasing projects, technical skills and accomplishments in a mannered and structured way. It basically allows for potential employers to see real-world applications of my expertise and technical knowledge. It even demonstrates my proficiency in software development, data analytics, statistical models, machine learning, and data science. In addition, it defines the project documentation, code repositories, and interactive elements like: Tableau, PowerBI, excel that helps to excel my credibility and make my portfolio profile stand out.

**How might you mitigate risks while maximizing the marketing potential of the ePortfolio?**

I believe that the best way to mitigate risk while maximizing the marketing potential of the eprotfolio by not sharing the confidential or proprietary information publicly. I will make sure not to post any sensitive code which might cause security risks and instead summarizes of projects. I would implement version control measures to track my changes and make sure all my code remains updated and accurate. Furthermore, optimizing visibility, I will incorporate SEO-friendly descriptions and share them on linkedIn or any other networking platforms.

**Describe possible downsides or risks, for instance, the risks of posting intellectual property online for public consumption.**

Without any doubt, the major risk of sharing my work would be intellectual property theft, people might copy my work or reuse it work their own benefit without permission. Another important concern would be exposing sensitive or proprietary data which might cause legal or some ethical implications. If there is no update or accurate code, then it will cause negative impact in portfolio profile. It is very important to watermark important documents, regularly updating my portfolio with the latest and most relevant work, restricting access to certain files to avoid risks.

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

At this point, I have strengthened my knowledge of software design principles, data structures and algorithms, and database management systems. I have excelled with my technical skills, documented my projects, applied versions control techniques. Moreover, I’m still refining my ability to integrate multiple technologies into a cohesive project and make sure all artifacts are polished for professional presentation in my final eprotfolio.

**PART TWO**:

**Status Checkpoints for All Categories**

|  |  |  |  |
| --- | --- | --- | --- |
| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | DriverPass Systems | Path-finding algorithm implementation | Online sales Data Analysis (PowerBI) |
| **Status of Initial Enhancement** | Refactored code for better and readability | For better performance optimized algorithms | Cleaned data andstructured for visualization |
| **Submission Status** | Submitted for instructor review | Pending | Personal project for excelling my knowledge |
| **Status of Final Enhancement** | Incorporated additional unit tests | Working on complexity analysis | Used Dax measures for deeper insights |
| **Uploaded to ePortfolio** | Not yet | Not Yet | In progress |
| **Status of Finalized ePortfolio** | Still working | Still working | Near completion |

**References**

Batson, T. (2019). *The ePortfolio paradigm: Informing, educating, assessing, and managing higher education*. Campus Technology. <https://campustechnology.com>

Cambridge, D. (2018). *Eportfolios for lifelong learning and assessment*. John Wiley & Sons.

Chang, C. (2020). *Protecting intellectual property in online portfolios: Strategies for developers and designers*. Journal of Digital Security, 15(3), 45-58.