3-1 Journal Assignment

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CS-499: Computer Science Capstone

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Part One:

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

An ePortfolio is a great way to showcase my skills and projects in a professional, accessible format. It helps potential employers or collaborators see my expertise and growth

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

To maximize its impact while minimizing risks, I’ll carefully choose what to share, avoiding sensitive or proprietary content. Using watermarks or copyright notices will also help protect my work.

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

One downside of sharing work online is the risk of intellectual property theft. To reduce this, I’ll only share non-sensitive work and use licensing tools when needed.

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

So far, I’ve made strong progress in software design, algorithms, and data structures. I’m still working on improving my database management skills to complete my ePortfolio.

Part Two:

Provide an update to your instructor on your progress with each category of artifacts for the ePortfolio:

Software design and engineering

I have created the third game type and gave the user a total of 45 seconds and three lives; however, I have also made the ships fall at the rate of 1.25 pixels per second. This way, the user must think of the acronyms at a much faster rate, but I also gave the leniency of having three lives.

Algorithms and data structures

Databases

For algorithms and data structures, and databases, I am currently developing a system of creating a database to store the top ten highest scores achieved. If a higher score is achieved, I want the system to move all lower scores down one. After ten scores have been recorded, the 10th score will be deleted if a newer score is achieved.

Status Checkpoints for All Categories

|  |  |  |  |
| --- | --- | --- | --- |
| Checkpoint | Software Design and Engineering | Algorithms and Data Structures | Databases |
| Name of Artifact Used | Artifact Invaders! Origin: Personally developed | Artifact Invaders! Origin: Personally developed | Artifact Invaders! Origin: Personally developed |
| Status of Initial Enhancement | Enhancements completed | Working on enhancement | Working on enhancement |
| Submission Status | Submitted | Submitted | Planned but not yet completed |
| Status of Final Enhancement | Waiting for feedback from Instructor | Waiting for feedback from Instructor | Planned but not yet completed |
| Uploaded to ePortfolio | Planned but not yet completed | Planned but not yet completed | Planned but not yet completed |
| Status of Finalized ePortfolio | Planned but not yet completed | Planned but not yet completed | Planned but not yet completed |