3-1 Journal: Marketing With ePortfolios and Artifact Update

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SNHU CS-499

Part One:

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

I can use an ePortfolio to showcase projects I've worked on and contributed to, whether through school, work/internships, open source projects, or my own personal side projects.

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

I can maximize my potential by selecting the right platform and selecting projects that showcase a wide range of skills including soft skills. I can mitigate risk by earning certifications and not utilizing certain projects without permission.

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

The downside of posting intellectual or proprietary property online is that I would expose myself to legal trouble. Even worse, considering my interest in the defense industry, sharing of proprietary software or documentation online could pose a national security risk. The risks of not building skills through things like certifications would be things like pushing bad updates to live projects, such as with the recent CrowdStrike bug.

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

I don’t think I will feel like I have achieved any course goals until I pass the course. However, I do feel that I am making significant progress with my planned enhancements and that they are building and showcasing my skills as a computer science practitioner.

Part Two:

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

- Software design and engineering

I feel that this caregory is more or less ready. The enhancements so far are functioning as I envisioned and have been thoroughly documented. All that is left is to submit the milestone and await instructor feedback.

- Algorithms and data structures

I have the pseudocode written that outlines the logic flow for the planned enhancement and will begin coding tomorrow. Automating the movement of the intelligent agent should be easy enough, but what I am uncertain of is how to implement the color checking function as my plan involves using glReadPixels, which is something I’ve never used before. I’m hoping that I can get it to work with textured objects, but if not I will have to revert to basic untextured objects and just read the rgb.

- Databases

This enhancement is in a sort of limbo. The feedback for the planned enhancements stated that my plans were insufficient because it didn’t seem very useful. I further explained the reasoning behind my plans in last week’s code review and why I felt they are useful, but the feedback for

that assignment didn't address it. I will likely have to reach out soon in order to clarify whether the plans are sufficient after all or decide if I must select another project.

Status Checkpoint for All Categories

Checkpoint	Software Design and Engineering	Algorithms and Data Structures	Databases
Name of Artifact Used	**Artifact Name:** Interactive 3D Scene **Origin:** CS 330 Computer Graphics and Visualization	**Artifact Name:** Interactive 3D Scene **Origin:** CS 330 Computer Graphics and Visualization	**Artifact Name:** Interactive 3D Scene **Origin:** CS 330 Computer Graphics and Visualization
Status of Initial Enhancement	Enhancements completed	Enhancements started	Still in planning phase
Submission Status	Submitted – awaiting feedback	Pending	Pending
Status of Final Enhancement	Pending	Pending	Pending
Uploaded to ePortfolio	Pending	Pending	Pending
Status of Finalized ePortfolio	Pending	Pending	Pending