

Juan Sanchez

CS499

Professor Goggin

9/29/2024

CS499 4-1 Journal

Part One:

1. Have you changed your career plans? If so, what prompted this change? If not, why have you remained with your original plan?
 - a. I never really had a specific plan in mind when it came to pursuing a career in Computer Science. However, I do think that the possible avenues I can take regarding career choices have been brought to my attention and that I was unaware of how versatile this degree would be overall. While this isn't exactly a change of plans, the career I end up doing might be something that I did not expect at all when I first started pursuing my degree.
2. How has your thinking about your career evolved?
 - a. While I had initially thought of Computer Science as a degree to pursue in an attempt to get a Software Developer job, I have come to realize there are a multitude of other applications regarding Computer Science. In turn, becoming a stronger programmer for multiple topics as well as trying to master something that interests me the most will be the best approach to get a strong career started.

3. Have you completed any research about your choice of career? How has this impacted your thinking? Have you thought about seeking an advanced degree or certification after earning your undergraduate degree?
 - a. Currently, DevOps and DevSecOps positions interest me the most. However, I am not opposed to a career in either Software Development, Web Development, or Data Science if I had to choose another position. Researching all these different positions has led me to look for career choices more centered around problem solving as opposed to creative input as I feel problem solving is my strongest skill as a programmer.

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

- a. **Completed: *Demonstrate an ability to use well-founded and innovative techniques, skills, and tools in computing practices for the purpose of implementing computer solutions that deliver value and accomplish industry-specific goals.***
 - i. By converting my code over to Java as well as expanding the code to use inheritance, multiple methods for operations that use said inheritance, and input validation, I believe that I have demonstrated that I have achieved the goal.
- b. **Completed:** Design and evaluate computing solutions that solve a given problem using algorithmic principles and computer science practices and standards appropriate to its solution while managing the trade-offs involved in design choices.
 - i. By applying hashmaps, I find that my code has improved overall in terms of versatility and looks a lot less amateur than before.
- c. Demonstrate an ability to use well-founded and innovative techniques, skills, and tools in computing practices for the purpose of implementing computer solutions that deliver value and accomplish industry-specific goals.

Part Two:

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

Checkpoint	Software Design and Engineering	Algorithms and Data Structures	Databases
Name of Artifact Used	Final Project CS410 Reverse Software Engineering	Final Project CS410 Reverse Software Engineering	Final Project CS410 Reverse Software Engineering
Status of Initial Enhancement	Completed	Nearly complete, will finalize end of 9/29	In progress, TBD when completed Estimated 10/6
Submission Status	Submitted	To be submitted this week	Not yet submitted
Status of Final Enhancement	Completed, No help needed	In progress and nearly complete	In progress, Code in progress, but want to complete enhancement of algo/data structures first
Uploaded to ePortfolio	Uploaded Week 4	Uploading next week	Not yet, Must be completed first
Status of Finalized ePortfolio	In progress	To be completed	To be completed