CS 499

Professor Troy Hawk

Michael Thomas

1 June 2025

Career Choice and Artifact Update

Part 1:

* Have you changed your career plans? If so, what prompted this change? If not, why have you remained with your original plan?
  + It is still my goal to pursue video game design/development as a career; however, I have vastly increased my knowledge around the different fields available to computer scientists. I have a great love for gaming and have my entire life, but rather than trying to find a job at a larger game company, I instead want to practice indie/solo game development until I become more experienced. While working with a team would be easier and faster, I want to be able to complete all aspects of design first, so I can assist others with any questions they have once I work with a larger team.
* How has your thinking about your career evolved?
  + Thinking about my future career has become more promising throughout this degree, fully realizing how many opportunities I have. While many jobs are listed as software engineer or developer, there are many different facets to the position. I especially see this when searching for potential jobs, where the same title can have vastly different descriptions, requirements, and expectations. My only concern is finding the right position where I can continue to improve my abilities while working.
* 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?
  + I’ve done some research on game design and development, with some experience from previous courses at SNHU. This has made my idea of solo development more feasible, as I did not realize how expansive the tools for developing were. An advanced or higher-level degree is not of interest to me; however, I would like to continue school for a dedicated video game development degree.
* Which course outcomes have you achieved so far, and which ones remain?
  + With my completion of the first enhancement, I have achieved course outcomes 2, 3, and 4. This was demonstrated by my clean code organization, application of standardized software testing principles, and use of innovative software engineering practices. While I will expand on these outcomes with the upcoming assignments, I still need to implement outcomes 1 and 5, which revolve around secure development and support for diverse audiences. This will be completed with code commenting and ePortfolio publication, along with database implementation in an upcoming enhancement.

Part 2:

* Status Checkpoints for All Categories

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| --- | --- | --- | --- |
| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | **Origin:** CS 320 Software Testing, Automation, and Quality Assurance  **Name:** Appointment Service | **Origin:** CS 320 Software Testing, Automation, and Quality Assurance  **Name:** Contact Service | **Origin:** IT 145 Foundation in Application Development  **Name:** Grazioso Salvare |
| **Status of Initial Enhancement** | Completed, pending instructor review | In progress, on track for on time submission | Not yet started |
| **Submission Status** | Submitted, pending grade | Not yet submitted | Not yet submitted |
| **Status of Final Enhancement** | Not applicable, no feedback yet. | Not applicable, no feedback yet. | Not applicable, no feedback yet. |
| **Uploaded to ePortfolio** | Will be published once final enhancement is finished. | Will be published once final enhancement is finished. | Will be published once final enhancement is finished. |
| **Status of Finalized ePortfolio** | Planned but not yet completed. | Planned but not yet completed. | Planned but not yet completed. |