**Module Three Narrative**

Alyssa Lomas

Department of Computer Science, Southern New Hampshire University

CS 499: Computer Science Capstone

Professor Akhil Gudivada

September 16, 2025

**Module Three Narrative**

1. Briefly describe the artifact. What is it? When was it created?

This artifact is originally from when I was enrolled in my SNHU CS 250 course and is written using the programming language, Java. When my code is run, it creates a webpage that shows five different vacation locations. I took this course well at the beginning of my computer science journey.

1. Justify the inclusion of the artifact in your ePortfolio. Why did you select this item? What specific components of the artifact showcase your skills and abilities in software development? How did the artifact improved?

I wanted to include this artifact in my ePortfolio because I aspire to work with websites in the future, and by including this artifact I believe this will show the progress I have made. I also believe that by adjusting this artifact through my enhancement plan, I am demonstrating some important skills and showing my flexibility when it comes to creating websites. Specifically, I am showing my skills in translation and being knowledgeable when it comes to taking a basic Java webpage and turning it into a more complex HTML website equipped with a CSS sheet. I am also demonstrating my skills in being competent in Java, HTML, and CSS when it comes to creating a webpage or website, and I can design the frontend of a website where I will later connect it with my future enhancement plan of adding a data structure where the user can see the elements I have added and have the option to add one themselves. My original artifact was vastly improved because it expanded the capability of my original project, and it allowed me to specifically take one page that was static and not user friendly, and I was able to transform it into a website that has five different webpages, a satisfying design, and most importantly it is user oriented. I also believed it was important to acknowledge that businesses or companies prefer to have websites that entice users to navigate through different pages rather than give them a boring single webpage that barely has any functionality besides one or two features, and I wanted to incorporate this mentality throughout my entire enhancement plan journey.

1. Did you meet the course outcomes you planned to meet with this enhancement in Module One? Do you have any updates to your outcome-coverage plans?

By enhancing this artifact, I was able to meet the course outcomes that I planned to meet in my enhancement plan from Module One. One of the course outcomes I was able to meet was the course outcome that talks about using well-founded and innovative techniques, skills, and tools for the purpose of implementing computer solutions. I believe by expanding the scope of my original artifact, I was able to show I have the technique to translate this Java webpage to a HTML website, the skills to implement design and functionality through my experience with HTML and CSS development, and I have used different tools such as Sublime Text to redevelop my website. I also met the two other outcomes that regarded collaborative and communication strategies by including a paper in my ePortfolio, where I talk about working in a team environment and my skills in communicating to not only my peers but also individuals without previous experience in computer science.

1. Reflect on the process of enhancing and modifying the artifact. What did you learn as you were creating it and improving it? What challenges did you face?

The process of enhancing my artifact was tedious because I wanted to make sure I had everything I wanted to implement and make sure it aligned with my enhancement plan. I enjoyed creating a whole new website and I appreciated ensuring it captured my original artifact so that I could successfully translate the Java webpage into a HTML website with CSS. This enhancement really forced me to hone in on my knowledge of creating a website, namely using website creation tools. I also had to ensure I perfected the technical requirements to ensure the aesthetic of the website was pleasing and the functionality was seamless. By modifying the original artifact, it allowed me to appreciate the effort it takes to create the frontend portion of website creation and I am looking forward to adding backend capabilities to finish my complete full stack development project. One challenge I faced while completing this enhancement was when I had to redesign the Java webpage into a HTML website because I wanted to make sure I enhanced my original artifact as well as make it reflect my capabilities in website design. I knew I had to translate the webpage into a completely new way and that was intimidating at first, however, after a few trial-and-error attempts I believe I achieved what I had planned for.