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SNHU

CS499

03/23/2025

Milestone Three Narrative

The artifact I selected for this milestone is the Animal Shelter project from CS340, which provided an excellent opportunity to deepen my understanding of algorithms and data structures. This project allowed me to effectively break down complex challenges into manageable components and craft efficient solutions. I focused on thoroughly grasping the problem requirements, discerning the most suitable algorithmic approaches, and implementing them with precision.

Throughout this process, I showcased my proficiency with a variety of data structures, including arrays, linked lists, stacks, queues, trees, and graphs. Mastering the art of selecting and implementing the right data structure for specific problems is essential for optimizing performance, and I am eager to highlight my skills in doing just that. My implementation of algorithms in a programming language has resulted in code that is not only clean but also readable and maintainable.

I successfully enhanced the dashboard by integrating the necessary code to display sex and age data in the pie chart section. However, I am currently facing significant challenges related to the software environment. Specifically, I am struggling with the creation of a database required to effectively pull and display information in the dashboard. Previously, I utilized Jupyter Notebook in CS 340, but I no longer have access to that platform. I am working around this limitation by using PyCharm with Jupyter, yet I am encountering code errors regarding host and port configurations, which will demand further effort to resolve.