Jillian Ortiz

SNHU

CS499

04/06/2025

Milestone Four Narrative

For this milestone, I chose to focus on the Animal Shelter project from CS340, which provided an invaluable opportunity to enhance my understanding of databases. I will showcase my ability to design efficient and normalized database schemas, demonstrating my grasp of normalization principles to eliminate redundancy and uphold data integrity.

Additionally, I have gained familiarity with NoSQL databases like MongoDB, exploring their unique data models, use cases, and the distinctions that set them apart from traditional relational databases.

Throughout this journey, I successfully created a database from a CSV file and transformed it into a JSON database, executing complex queries and updating data with confidence. Although I faced challenges in getting an API fully operational for the database, I view this experience as a significant achievement—particularly since I had never created a database from scratch on my own before. In previous classes, databases were provided, so the process of building a complete and functional database using the appropriate software marks a major milestone in my personal and professional growth.