Garrett Waag

SNHU

CS499

Artifact Narrative

This project was a database made in MongoDB accompanied by a dashboard to see the database and select specific rescue types as well as see the location of the shelter they were at. It was created in CS340. I selected this artifact to showcase my skills because it fit all 3 of the criteria(Software design and engineering, algorithms and data structure, databases). The biggest improvement I made was the inclusion of a new dashboard for administrators. The new dashboard added create, update, and delete functionality. The only aspect I planned to add that did not make it into this artifact yet is a login for security purposes. I am having troubles with my installation of dash and a missing file that I am currently researching.

During the original creation of this artifact through this enhancement I have learned to be a better programmer overall. It has expanded my knowledge of python and showed me how to use Jupyter Notebooks for development. I have also gained a better understanding of databases and how to manage them. Through my research to fix bugs and solve issues while enhancing this artifact I have also learn many other topics.