Milestone 2 Enhancement One Narrative

Cleveland Carbon

Friday, May 27, 2022

The artifact that I am enhancing is a web program that uses the mongo database to display rescue dogs that are housed in an animal shelter. A user can choose the type of rescue that is to be performed and the relevant dogs are shown. I choose this artifact because it has all the aspects of software design, algorithms, and database. The specific component that will showcase my skill is getting the map to display and getting the application to run. The artifact is improved by bringing the code up to date with the updating of the libraries that are deprecated. These updates allow the application to be secure and mitigate any attacks from known vulnerabilities. When trying to run the program, it would not run the plotly objects. One of the changes was to change the name of the app from JupyterDash to dash.dash. This changed the application to use Dash instead of JupyterDash which made the map and chart to display. The other enhancements were to clean up the code and provide better commenting.

The course objectives that I planned to meet with my enhancements are being met, not without challenges. I had to figure out how to load some of the libraries like pymongo and dash. I was getting some errors when the program was run about bson objects not finding the modules. The problem was that I had installed a version of bson whereas, pymongo already installed a version of it. I had to uninstall bson and pymongo, then reinstall pymongo alone.