Enhancement 2 Narrative

CS 499: Computer Science Capstone

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The final enhancement I made was continued from enhancement 3 due to circumstance so it may seem out of order. The original artifact had filters that would call to the mongo database each time you chose a filter. This was not efficient as it required back end calls each time. In addition it only had three basic filters and no search function which made it so a user had to slowly go through the data to find a specific breed they may have wanted. I showed my ability to make more efficient code by switching the filters to front end services instead of repulling from the database each time. I also showed my ability to create a search function that could pull through the data to further shorten a users list based on the breed they search for.

This final enhancement took an entire day to set right. I had completed the first part during enhnacement 1 actually by making the filter services front end to make them more efficient. The second part which was to make a search function was more difficult. I had to realize that I was biting off more than I could chew trying to impliment my new idea of a live search function. Given my timeframe at the end I decided to drop the idea as it kept failing at new points. My final feature ended up being a basic search text input that could be activated using enter or a buttom to filter based on breed on top of the selected filter. After this enhancement helped me reach the course outcome of designing a computing solution using algorithmic priniciples while managing trade-offs invloved in design choices. With all the enhancements and the code review I believe I have met all the course outcomes.