Chase Carter

CS-340

Professor Wilson

11/14/2024

3-1 Milestone: Database Indexing and Authentication

1. In Apporto, open the terminal window to access the Linux shell. Upload the Austin Animal Center (AAC) Outcomes data set into MongoDB by importing a CSV file using the appropriate MongoDB import tool.

A computer screen with white text

Description automatically generated

1. After importing your data set, open the mongo shell. Create a simple index on the key “breed.” Show an example query using this index, and use the explain function to verify that the index will be used.

A computer code on a black background

Description automatically generated

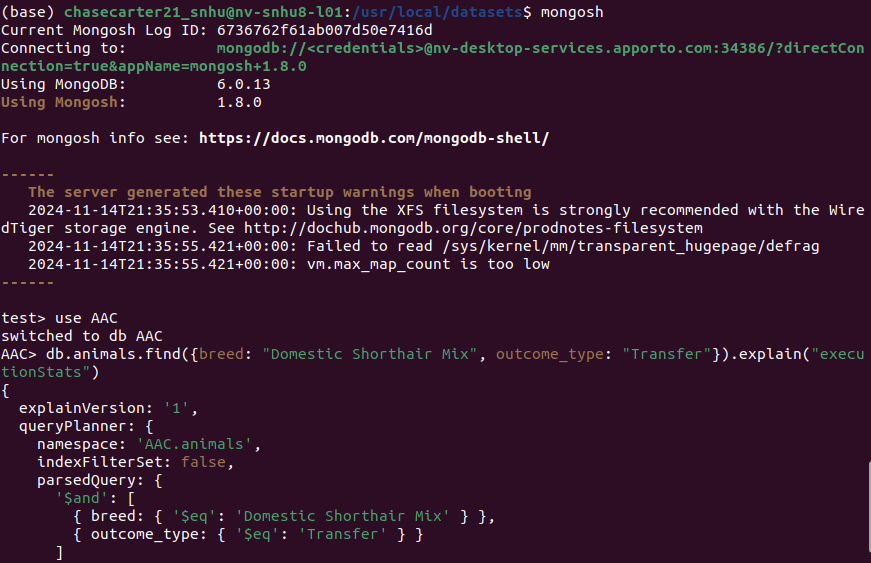
A computer screen shot of a program code

Description automatically generated

1. Create a compound index that will improve the performance of queries looking for breeds that have an “outcome\_type” of “Transfer.” Show an example query using this compound index, and use the explain function to confirm the index will be used.

A computer screen with colorful text

Description automatically generated



2.1 Create a new user account called “aacuser” for the database AAC in the mongo shell. Refer to steps 6–7 of the MongoDB Manual Enable Access Control tutorial for help with this task.

A computer screen shot of a computer code

Description automatically generated

2.2 