**3-1 Milestone: Database Indexing and Authentication**

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1. Import CSV file, db “AAC” and collection name “animals” using mongoimport:

--headerline is only for CSV or TSV

mongoimport --port 39040 --db AAC --collection animals --type CSV --headerline --file ./aac\_shelter\_outcomes.csv

Graphical user interface, text, application

Description automatically generated

1. Create a Simple Index
   1. on the key “breed”.

> db.animals.createIndex({breed:1})

Text

Description automatically generated

* 1. example explain function

to get a list of all breeds (for explain function)

> db.animals.distinct(“breed”)

> db.animals.find({“breed”:“Siberian Husky”).explain(“allPlansExecution”)

Text

Description automatically generated

> db.animals.find({“breed”:”Siberian Husky”}).explain(“queryPlanner”)

Graphical user interface, text

Description automatically generated

> use admin

> db.createUser(

… {

… user: “adminAaron”,

… pwd: “PassWord”,

… roles: [ { role: “userAdminAnyDatabase, db: “admin”}, “readWriteAnyDatabase”]

… }

… )