# CS 340 README Austin Animal Shelter

**About the Project/Project Title:**

The “Austin Animal Center Outcomes (ACCO)” program is a program that is used to easily track and maintain all animal records that come in and out of ACCO!

**Motivation:**

With demand ever growing at ACCO, we needed to develop an easy-to-use system that allowed us to quickly find, create, update, and delete animal records that are within our database.

**Getting Started:**

1. To get fully started with this database, you will first need the credentials to our MongoDB database which can be accessed in our systems terminal.

2. After gaining access to your account, you will need to have access to our python notebooks in order to perform your “create”, “find”, “update”, and “delete” methods.

3. Once your notebook is set up, you will be able to enter your queries and create records to update the database!

**Installation:**

If you don’t already have it installed on your machine, please install the latest version of Python so you can properly run the files.

**Usage:**

**Code Example**

Below you will find an example of what you need to do to find a record once the database is accessed:

**Find Method:**

query = animals.read({"breed": "Boxer"})

for animal in query:

   print(animal)

**Tests**

​When testing, there are edge cases used to handle invalid statements such as a raised Exception due to a parameter being empty. You can also verify that a record was added with the “read” method that was designed. After creating your record, you can run animals.read({“name”:”Justin”}) for example.

A screenshot of a computer program

Description automatically generated

**Errors:**

I ran into errors when loading the data itself which interrupted the rest of the program. For some reason, even without criteria, the errors still persisted.

## Contact

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