# CS 340 README

*Use this template to complete your README file. When completing the template, keep the headings as they are so that your document has a clear organization. Remove the italicized prompt text after you have completed each section for a polished final document.*

## About the Project/Project Title

*The purpose of this project is for users to implement the fundamental operations of CRUD in python. This will quickly create, read, update, and remove details on an animal within a singular stored dataset.*

## Motivation

*This project exists for users to create and read information in a certain dataset when processing a query in the Mongo database easily and conveniently*

## Getting Started

*To get started the user would enter their Apporto environment and import the data sets into the MongoDB using the mongoimport command.*

A screenshot of a computer screen

Description automatically generated

*After importing the datasets, you will create users to a specified database and establish permissions for the users.*

A screenshot of a computer program

Description automatically generated

*Start a new terminal and login to the database with the user credentials. After importing and creating user accounts you should then test authenticating your user account to access the dataset.*

A screenshot of a computer program

Description automatically generated

## Installation

*The tools needed to use the software were the mongoDB terminal command line and Jupyter Notebook. The library used was Pymongo and object ID.*

## Usage

### Code Example

An animal\_shelter.py file was created to run the create and read commands on the python file.

Code to initialize connection.

A computer screen shot of a computer code

Description automatically generated

Code to create data and insert it into the collection database.

A close-up of a computer code

Description automatically generated

Code to read data within the database.



Code to update specified data within the database.

A close-up of a computer code

Description automatically generated

Code to delete specified data within the database.

*A close-up of a computer code

Description automatically generated*

### Tests

The testing\_app was executed within Jupyter Notebook by importing the Python function and when running the code this would test creating and reading some sample data from the database.

### Screenshots

Example Usage of CRUD

*A close-up of a white background

Description automatically generated*

*A screenshot of a computer

Description automatically generated*

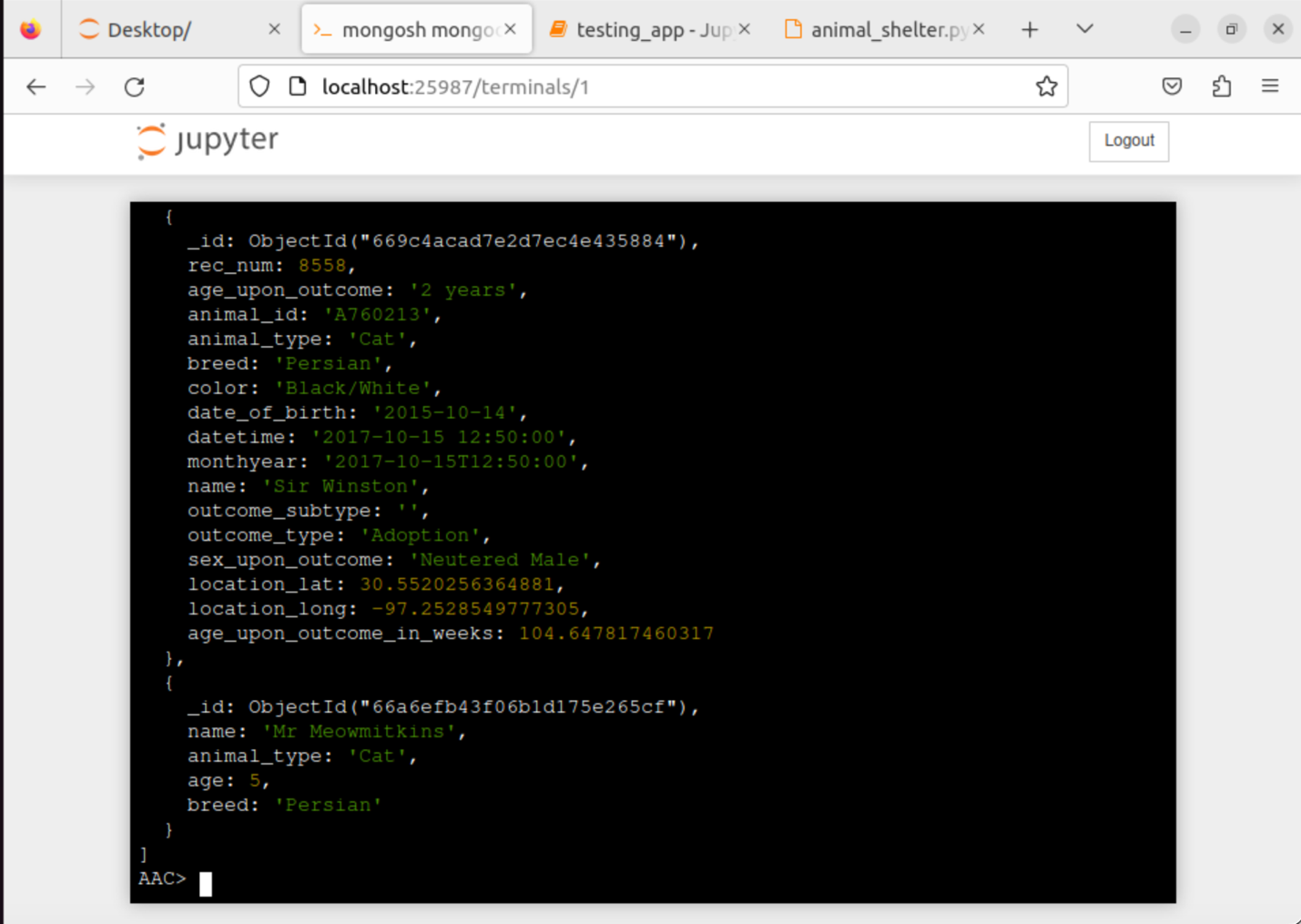
*Testing Results.*

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated



## Contact

Your name: Victoria Johnson