# CS 340 Project Two README

## About the Project/Project Title

*Animal CRUD* Repository is a Python module that provides create, read, update and delete functionality to a MongoDB database that holds information regarding animals at *the Austin Animal Center (AAC).*

## Motivation

The motivation between this tool is to ease the process of document the animals that come in and out of the Austin Animal Center and visualize them with a dashboard.

## Getting Started

1. Provide the necessary configuration settings (username, password, port, host, database, and collection) and import the provided AAC csv file
2. Enter the Mongo shell
3. Configure the client using pymongo’s MongoDB driver
4. Query and read data using the and read method
5. Configure the necessary filters

## Installation

Compatible versions of the Python programming language is needed.

The third-party tools used in this project is:

**pymongo**: Driver to interact with a MongoDB database through Python code. Feautures like MongoClient and the bson ObjectID are exposed through this package.

* Installation: python -m pip install pymongo

**DASH:** Library that allows users to build dashboard interfaces using Python

**Pandas:** Python data manipulation library

## Usage/Code Example

## Roadmap/Features (Optional)

Future features will include:

* The ability to render more than one type of graph
* The ability to filter with more specific criteria

## Contact

Your name: Zinedine De Leon