# CS 340 README Template

## About the Project/Project Title

*This application allows a user access to a database of animals to create, read, update, and delete (or CRUD) animals from the stored data.*

## Motivation

*This program was designed to test my skill working with databases and manipulating the data within.*

## Getting Started

*To get this program started you would first,  
1. Enter and Mongo and import the csv file aac\_shelter\_outvome.csv.*

*2. next one would want to create a simple and a complex index to parse the data stored within the document.*

*3. Now to authenticate a user would want to create both an Admin account and a aacuser account to access the database.*

*4. next a user would need to have access or install python and run the program out of a notebook.*

## Installation

*A current version of Python to run both the .py and the .ipynb files*

*MongoDB - to access the database.*

## Usage

*Use this space to show useful examples of how your project works and how it can be used. Be sure to include examples of your code, tests, and screenshots.*

### Code Example

*The code allows a user to test, add, and edit animals in a shelter. To test this a user would use. After starting mongo and loading the python files necessary to run the program a user could enter print(animals.create (STRING\_TYPE) to add animals with the program throwing a boolean if it is successfully added or an error if not added.*

### Tests

*This code was tested using an invalid statement of print(animals.create(0:0)) making an invalid argument as it tries to create an invalid data type.*

*To search for your added animal and ensure it was added one could use query = animals.read({”name”: “NAME”})*

### Screenshots

*Animal creation:*Graphical user interface, text

Description automatically generated

Invalid animal Creation:   
Graphical user interface, text, application, email

Description automatically generated

Searching for created pet “Rex”:

Text

Description automatically generated

## Contact

Your name: Ethan D.