# CS 340 README Template

## About the Project/Project Title

The project was created to search through a database of information to find certain names or how many of one type of breed or animal that is currently in the database. The database also can add, delete, or update information within the database. The project also allows you to view a map and interactive drop downs to view different information.

## Motivation

This project exists to help maintain the functionality of the shelter database to keep track of every animal that is within that collection.

## Getting Started

The first things you will need to do is download Animals.py and AnimalsTest.ipynb. These files are necessary to have the script connect with the Mongo client but also test that Animals.py can output correctly. After that you can use ProjectTwoAnderson.ipynb to make an interact map that geolocates to Austine, TX. It also makes an interactive program that allows you to view and track different things.

## Installation

Tools needed are:

* Mongo Client
* Animals.py
* AnimalsTest.ipynb
* ProjectTwoAnderson.ipynb

## Usage

### Code Example

# create method

def create(self, data):

try:

result = self.collection.insert\_one(data)

return True

except:

return False

# read method

def read(self, query):

try:

cursor = self.collection.find(query)

return cursor

### Tests

# define search criteria

search = {"animal\_id": "A634647"}

This code shows that by searching for the animal id A634647 it should find all the information about the animal linked with that id if there is any animal linked with that id. If there is no animal attached to the search ID than there will be no results that come back.

### Screenshots

A screenshot of a computer

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A screenshot of a computer

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## Roadmap/Features (Optional)

Would like to add the ability to search with more than just an id. Would like to add functions to search by more than one thing at a time such has “dog” and “age” to help show all animals matching those filters.

## Contact

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