# CS 340 README Template

## Project Two: Animal Shelter Dashboard

The purpose of this application is to authenticate users and allow those users to create, read, update, and delete data within a database that tracks animals in an animal shelter. The information that is stored in the database includes the animal ID, breed, name, color, as well as other information that helps to keep track of the animals as they go and come from the shelter. It also has functions such as a bar graph, and interactive mad.

## Motivation

This database contains a great deal of information critical in keeping track of animals that are at the shelter, and thus the operations of it. With this app, staff at the shelter can more easily read and modify the data as needed.

## Getting Started

To get a local copy up and running, follow these simple example steps:

* Start MongoDB in the Linux terminal
* Make sure that Python and PyMongo driver are installed.
* Import the file aac\_shelter\_outcomes.csv
* Create an account to access the database
* Download animalShelter.py
* Download ProjectTwoDashboard.ipynb and run

## Installation

Mongo can be downloaded from [www.mongodb.com](http://www.mongodb.com)

Python can be downloaded from [www.python.org](http://www.python.org)

PyMongo can be downloaded from [www.pypi.org](http://www.pypi.org)

## Usage

This screenshot depict Dash running:

A screenshot of a computer screen

Description automatically generated with low confidence

This screenshot depicts the working Radio buttons:

A screenshot of a computer

Description automatically generated

This screenshot depicts the map and graph:

A screenshot of a computer

Description automatically generated with medium confidence

## Issues:

## I did run into some issues trying to get the data to display. Up until the last minute I could only get the dashboard to run without any data. The issue was the way I had the Read method set up in animalShelter.py. After fixing that the dashboard runs great without issue. This was a very challenging project, and took a lot of time and brain power to figure out

## Contact

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