# CS 340 README Animal Shelter

## Project Two: Animal Shelter

This is an application that was meant for individuals to access a database for animals. We needed to search the database and create filters so the user could see what animals were where and what the ages were and all such things. We needed to have a dashboard that could do all these things as well as geolocation maps, charts, and rescue for said animals as well.

## Motivation

This application was here to test my knowledge about databases and configuring the data but even at my work where I am a database analyst, I don’t code an ENTIRE database. You use MySQL, Microsoft Access, and other applications like that, which have little coding involved. Python is easy to compile, code, and such but the Jupyter Notebook connection caused me more harm than good unfortunately.

## 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 you authenticate a user (which would be yourself in this case) and that would allow you to create both an Admin account and an aacuser account to access the database.*

*4. Then you would need to have access or install python and run the program out of a notebook or any other application out there.*

*5. Finally type in the address of the dash and connect.*

## Installation

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

*I’m sure there’s other applications out there but these ones are the most used ones.*

## 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

Running Dash:A picture containing graphical user interface

Description automatically generated

Working Radio buttons:

Table

Description automatically generated

Changing options and switches Geolocation:  
Graphical user interface, application

Description automatically generated

**Errors:**

I ran into a lot of errors throughout these modules, the connection between MongoDB, Juypter, and my own internet connection caused A LOT of issues. I had the correct code, and correct lines, but it kept giving me time out errors even though the ports were all correct. I think SNHU needs a better virtual lab because I barely could get any work done.

## Contact

Your name: Ethan Harrell