# CS 340 README Project 2

## About the Project/Project Title

The purpose of this project was to create a customized dashboard that would allow the client to view and interact with data from the database, not only by searching, but also drawing insights about the data in the dashboard. Our client desires to be able to use animal shelter databases from around the country in order to source rescue animals.

## Motivation

The reason this project is valuable is that users do not want to interact with the terminal view. It is impossible to view or glean anything meaningful out of this view. The benefit of the dashboard is that the it gives the user a pretty client-side application that they can use to explore the data. It offers a range of functions designed to help the client analyze and draw action-oriented insights from their data.

## Getting Started

Getting setup to do run this program is easy. First, the user will access the dashboard by logging in.

Next the user can click through and quickly filter for different animal types and view their geographic location, distribution of breeds, and filter to different types of rescue types.

## Usage

This program visualizes and allows the user to interact in a meaningful way with the Austin animal shelter database. It has 2 main use cases.

1. Dynamic filters
   1. This function allows the user to quickly answer different questions they may have. A few are listed below:
      1. What is the most common animal that is found in shelters?
      2. Where are the animals located?
2. Data Visualization
   1. A wide array of charts and graphs can be offered in this application which respond to the filters that the user clicks through.
      1. Pie charts help to show the proportion of animals across the country by type.
   2. Spatial data can be found with helpful maps. This will help the client understand where it can procure the animals it needs.

## Contact

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