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**CS 340 README**

**Project Two: Animal Shelter**

**About:**

This application should allow a user access to the Austin Animal Center or AAC database, and the ability to filter through the database. The dashboard utilizes the CRUD module that lets a user create, read, update and delete items. The user will use radio buttons to filter through the available animals, similarly there is a map and graph displayed based on the filtering options.

**Motivation:**

The motivation behind this project was to provide Grazioso Salvare with a client-facing web application dashboard through which users at Grazioso Salvare will access the database.

**Getting Started:**

I will provide some screenshots below to help convey some steps involved. Otherwise, the book “Mastering MongoDB 4.x : Expert Techniques to Run High-volume and Fault-tolerant Database Solutions Using MongoDB 4.x” and the website <https://www.mongodb.com/basics> have been instrumental to understanding and interacting with the database. I found the weekly walkthrough videos extremely helpful, a lot of the steps involved made it easier to contend with checking back on my previous work. Github repositories and stack overflow were very helpful, but weren’t always conveying the concepts I was working with.

**Installation:**

A current version of Python, Dash, and MongoDB; I would suggest Jupyter Notebook since it’s all contained and they work well together.

**Usage:**

The crud module is used to create, read, update, and delete items. The dashboard should allow a user to filter through the available rescue animals in a data table using radio buttons to check off the filter options.