# CS 340 README Rebecca Ferjo

## About the Project/Project Title

As an employee with Global Rain, a leading software company, we are asked to Build a software program that allows for users to search and filter for animals in the animal base of the Austin Animal Center. This project will use prior data information that was from other animal shelters to come up with categories and identify which dog belonged where.

## Motivation

This application challenges me within writing for a database and being able to manipulate the data based off what’s being asked from the user that is searching information for the Austin Animal center.

## Getting Started

1. *Start with importing the CSV file aac\_shelter\_outcome.csv into Mongo.*
2. *Set up an admin and user account to be able to access the database*
3. *Develop a PY file to create and read the database.*
4. *Proceed with creating a CRUD class.*
5. *Create a Python script that imports the CRUD; CRUD operations allow for the MongoDB server to interact with other servers by allowing for it to create, read, update and delete the documents.*
6. *Developed a database queries the match certain required filter functionality like which reqscue type or a preference on dog breed*
7. *Created an interactive option that allows for the selection to show data based off the filtering functions you chose.*
8. *Create a chart that can display data information in response to any updates on any of the animals*

## Installation

*Using MongoDB to access the AAC database*

*Latest Python Verison*

*Jupyter Notebook*

*Grazioso Salvare Logo(provided)*

*Austin Animal Center Outcomes Spreadsheet(provided)*

## Contact

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