# CS 340 README Template

**Project Two**

*Use this template to complete your README file. When completing the template, keep the headings as they are so that your document has a clear organization. Remove the italicized prompt text after you have completed each section for a polished final document.*

## About the Project/Project Title

*The purpose of this project is to allow users to access the Austin Animal Center (AAC) list of animals. The users can sort and filter through various rescue types. The rescue types are filtered through the preferred breed for the type of task the user needs to achieve.*

## Motivation

*The reason for this project is to enable users to quickly search for animals that need to be used for a particular rescue task.*

## Getting Started

*To recreate the project, follow the following procedures:*

1. *Import the “aac\_shelter\_outcomes.csv” file into MongoDB*
2. *Develop a Python module in a PY file to enable create and read functionality for the database.*
3. *Create a Python test script*
4. *Create Python code for a dashboard*
5. *Create Python code to add filter options in the dashboard to retrieve data from the database*
6. *Add Python code to add Grazioso Salvare logo*
7. *Add code for interactive widgets for the three rescue types and a reset button*

## Installation

*The tools needed for this project are MongoDB, Python 3.6, and Jupyter Notebook*

## 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

*The code allows users view and search animals from the addition of buttons and filters*

### Tests

*To test the code the user must insert some of the file parameters to lookup. (Screenshot Below)*

### Screenshots

Import ProjectTwoDashboard.ipynb

Graphical user interface, text, application, email

Description automatically generated

Import CRUD python Module

Graphical user interface, text, application

Description automatically generated

Creating logo and Rescue Types

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Creating radio buttons

Graphical user interface, text, application

Description automatically generated

Adding Geolocation

Graphical user interface, text, application

Description automatically generated

Producing Header

Graphical user interface, text, application, email

Description automatically generated

Producing Logo

Graphical user interface, application

Description automatically generated

Producing Radio Buttons

Graphical user interface, application

Description automatically generated

## Challenges

*The major challenge I had with this project is the data retrieval of the queries from the AAC database. I attempted multiple times to create the proper syntax in the python code and even created a new aacuser just in case there was any permissions issues. Overall I still unable to populate any of the data needed to filter and query the animals.   
  
Note: This section is optional for the purposes of this assignment. If you choose not to fill out this section, remove it from your final README file.*

## Contact

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