# CS 340 README Template

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## About the Project/Project Title

This project provides Grazioso Salvare, an animal-training company, information about dogs at various animal shelter locations in order to identify and categorize available dogs for life-saving training purposes.

## Motivation

Grazioso Salvare trains dogs for search and rescue operations. They have partnered with a non-profit organization in Texas to provide information about local animal shelters. I have imported the database and built an index to navigate it properly, while also using CRUD operations to create, read, update, and delete entries.

## Getting Started

To start, follow the steps below:

* Ensure Mongo is downloaded on your local hardware. I am using Linux and Mongo has been provided.
* Open a terminal and start a Mongo session
  + Access by typing “mongosh”
* Import the database labeled “AAC”
* Use the database with keywords “use AAC”
* To navigate, use the findOne() function in Mongo
* Animals can be searched with ID number, breed, type, and name

## Installation

Install Mongo for database use and navigation. Also, ensure a Python reader/writer is installed.

## Usage

Below are screenshots of the project working.

### Code Example

*A screenshot of a computer

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*A screenshot of a computer code

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The above screenshots display the Python code for Creating and Reading data for the database.

### Tests*A screenshot of a computer Description automatically generated*

A screenshot of a computer

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An octopus is not a dog. It was entered to display functionality of the project. In the Mongo terminal, we can see that after being created and read, the data was inserted into the database correctly.

A computer screen shot of a computer program

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A screenshot of a computer

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Above is an example of the explain function that can be used.

## Roadmap/Features (Optional)

*Provide an open issues list of proposed features (and known issues). If you have ideas for releases in the future, it is a good idea to list them in the README. What makes your project stand out?  
  
Note:* This README will be updated for Updates and Deletion soon.

## Contact

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