# CS 340 README Template

## About the Project/Project Title

*The project is for the Grazioso Salvare Project who specializes and trains search-and-rescue dogs.*

## Motivation

*This project exists as this will allow Grazioso Salvare and their team to get information from local shelters to identify dogs who would greatly improve their team of search and rescue dogs.*

## Getting Started

*The user would need to have an account set up with a username and password, which will then allow them access to view the animals in the registers.*

## Installation

*This will be available for download on GitHub at the end of this project and uses MongoDB, PyMongo, and Jupyter Notebook.*

## Usage

*This tool will be able to search a database of local animals and will be able to add information about them, delete their file if they are no longer available, and create new documents to add additional animals, it also will be able to update criteria about the animals in the event of a status change. We have used the CRUD method to ensure we capture all the needs of the program and have used Python for its intuitiveness and ability to import MongoDB for ease or use.*

*There was quite a few challenges in that I found out that jupyter notebook doesn’t hold onto tabs when exporting a python file. I discovered this by opening the python file in another program and saved it from there. I also referenced many materials in the internet to get the code where it is today. I watched a lot of youtube and had copilot explain how to create and use certain sections of code. I also utilized the tutoring to gain some insight on problems in my code.*

### Code Example

*def create\_document(self, data):*

*if data is not None:*

*result = self.database.animals.insert\_one(data) # data should be dictionary*

*return true*

*else:*

*raise Exception("Nothing to save, because data parameter is empty")*

*return false*

### Tests

*These tests are designed to execute the functionality of the application by checking that each will return the correct information based on what was given.*

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### Supporting Screenshots

A screenshot of a computer screen

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**A screenshot of a computer program

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**A screenshot of a computer screen

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*A screenshot of a computer

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*A screenshot of a map

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## Contact

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