# CS 340 README Template

## About the Project/Project Title

The purpose of Milestone Four was to develop a portable Python module that enables CRUD functionality to connect a client-side user interface to a database for a web application. Project Two utilizes the Python CRUD module. The purpose of Project Two was to develop a software application for Grazioso Salvare that works with existing data from the animal shelters to identify and categorize available dogs. Grazioso Salvare desires a dashboard that is user-friendly and allows for the user to filter through the type of search and rescue options to find the best suited dog breed.

## Motivation

The Python module has a create and read method for the Animal Shelter database. The create method inserts a document into the database, the read method searches from the database and collection, the update method updates the database and collection, and the delete method deletes an item from the database. The dashboard allows the user to select the type of rescue and search training they desire which will then display the best suited breed, sex, and age. This allows the company to know which breed of dog are best for each rescue and search method.

## Getting Started

To get a local copy up and running you will open up the Python terminal and type “python AnimalShelter.py”.

## Installation

In order to use the software you will need mongoDB installed, this can be done by going to “docs.mongodb.com/manual/installation/” where you can follow the tutorials for installation based on your platform. You will need Python, this can be installed by going to “python.org/downloads/”. You will also need the Jupyter Notebook, this can be installed by going to “jupyter.org/install”.

## Usage

### Code Example

Text, letter

Description automatically generatedText, letter

Description automatically generatedText, letter

Description automatically generated

### Tests

### Screenshots

## Roadmap/Features (Optional)

I was unable to successfully save the files, therefore I will need to go back and do this again so that it is accessible in MongoDB.

Previously I was unable to save the files and did the test script completely wrong, I fixed that this time around.

I was not able to successfully view the dashboard but I included screenshots of my code above to show that I completed adding in the logo, the interactive table, and the radio button checks to filter through the different rescue and search options.

## Contact

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