# CS 340 Project 2 README

## About the Project/Project Title

This project allows you to search for rescue animals in nearby shelters and animal centers. It uses a MongoDB backend with a database provided with many of the local animals. A CRUD module is also included with its own README that explains some of the middle glue functionality. Currently our website uses the DASH framework to start a web server in python and generate a website with a table, pie chart, and a geolocation chart.

## Motivation

We wanted to help provide Grazioso Salvare with an interactive website that will show them the rescue animals that will help them the best.

## Getting Started

To get started you will need to run the jupyter file included and this will start the web server. Once started the program will authenticate with the database containing the animal information. It will load this into interactive modules on the website.

## Installation

Python3 needs to be installed prior to running. I should do a pip3 freeze > requirements.txt and get all the requirements included.

## Usage

## Beginning with our front page with have Grazioso Salvare’s logo. It currently has an anchor to [www.snhu.edu](http://www.snhu.edu), but it brings me to a local page within this web server.. rather than an external link.A picture containing text, font, plot, line Description automatically generated

This is the data we see when we use the water rescue button to find dogs that are best suited for water rescue missions.A screenshot of a computer dashboard

Description automatically generated with low confidence

We see a smaller selection of animals when we search for mountain rescue dogs.

A screenshot of a computer

Description automatically generated with medium confidence

Even less dogs are equipped for searching in disaster situations.

A screenshot of a computer

Description automatically generated with medium confidence

Here we can reset the dashboard to the beginning and see the original data.

A screenshot of a computer

Description automatically generated with medium confidence

Here we are now able to see the other modules. The map now updates with the location of the selected animal.

A map with a blue pin on it

Description automatically generated with low confidence

We can see here after clicking on a new animal, that the map updates with the new location.

A screenshot of a map

Description automatically generated with medium confidence

## Roadmap/Features (Optional)

We will soon be creating a better user interface.

## Contact

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