## About the Project/ Grazioso Salvare

This project creates interactive tables and graphs that facilitate the findings of rescue dogs.  
Graphical user interface, application, table

Description automatically generated

## Motivation

Grazioso Salvare identifies dogs that are good candidates for search-and-rescue training. When trained,

these dogs are able to find and help to rescue humans or other animals, often in life-threatening

conditions.

This project aims to help Grazioso Salvare facilitate their process to find rescue dogs. Using Mongo database as the backend, pymongo to create a controller and dash to create interactive dashboards.

## Getting Started

* Begin by downloading a local copy of this repo and ensuring you have installed your Mongo DB.
* Setup Mongo DB connection:  
  - Replace user and password with your Mongo DB credentials

- Replace port number  
Graphical user interface, text, application

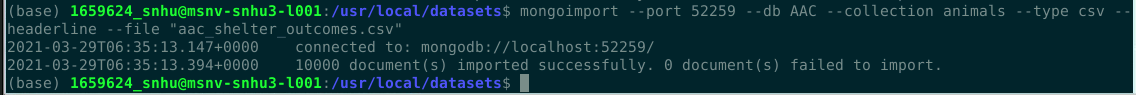
Description automatically generated

* Initiate Mongo DB: */usr/local/bin/mongod\_ctl start*

## Installation

* Install Python3 (This will allow your device to compile and run the project)
* Install Mongo DB (NoSQL Database known for its speed)
* Install Py Mongo (Python library that facilitates interaction with MongoDB)

## Usage

* Import AAC dataset  
  
* Create an administrator account in the mongo shell  
  Text

  Description automatically generated
* Create a new user account called “aacuser”  
  Text

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### Code Example

### Create Method (inserts a Mongo document) *Graphical user interface, text Description automatically generated*

### Read Method (Queries a record in the database) *Graphical user interface, text, application Description automatically generated*

### Update Method (Updates a document in the database) *Text Description automatically generated*

### Delete Method (Deletes a document in the database) *Text Description automatically generated*

### Dashboard Branding A picture containing icon Description automatically generated

### Interactive Dataset Graphical user interface, table Description automatically generated Text Description automatically generated

### Interactive Data table (Table is updated when buttons are clicked) Table Description automatically generated Text Description automatically generated

### Interactive Map Map Description automatically generated Text Description automatically generated

### Tests

* Clicking the Water Rescue dogs button will update all tablesTable

  Description automatically generated  
  Map

  Description automatically generated
* Clicking the Disaster Rescue dogs button will update all tables   
  Table

  Description automatically generated  
  Graphical user interface, text, application, chat or text message

  Description automatically generated
* Clicking the Mountain Rescue dogs button will update all tables   
  Table

  Description automatically generated with medium confidence  
    
  Diagram, map

  Description automatically generated
* Clicking the Reset button will update all tables   
  Table

  Description automatically generated  
  A picture containing application

  Description automatically generated

## Project Challenges

The most challenging part of this project was getting a second chart to render. Unfortunately, I was not able to get it to work. I tried bar graphs and pie graphs and could not get it to work. I believe the issue lies with the dataframe data selection.

## Contact

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