# CS 340 README Animal Shelter Dashboard

## Animal Shelter Dashboard

*Grazioso Salvare is looking to take their software application to the next level by working with their existing data to identify and categorize available dogs. Grazioso Salvare has asked Global Rain to create a client-facing Dashboard for their users.*

## Motivation

*This project has been created so that the clients that Grazioso Salvare works with can see the available dogs that are trained to find and help rescue humans or other animals in life-threatening conditions.*

## Getting Started

*To get a local copy up and running, follow these simple example steps:*

*Open Mongo and import the CSV File: animal\_shelter\_outcome.csv.*

*Create a set of indexes.*

*Create an aacuser account to access the database.*

*Run the program out of Jupyter.*

## Installation

*The tools that you will need to use this application is:*

*Latest version of Python: https://www.python.org/downloads/*

*Jupyter:* *https://jupyter.org/*

*MongoDB:* *https://www.mongodb.com/*

*CSV File: animal\_shelter\_outcome.csv*

MongoDB was used as the model component of this development due to its flexible, schema-less design, allowing dynamic handling of diverse animal data without requiring rigid data structures. It integrates seamlessly with Python through the PyMongo library, enabling efficient CRUD operations and easy conversion of query results into pandas DataFrames for data manipulation.

## Usage

### Code Example

Initial State of Dashboard:

A screenshot of a computer

AI-generated content may be incorrect.

Water Rescue:

A screenshot of a computer

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Mountain Or Wilderness Rescue:

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Disaster or Individual Tracking:

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Reset:

A screenshot of a computer

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## Contact

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