# CS 255 System Design Document Template

Chuke Rupert

CS340-X6148

13 August 2023

**Name**

Grazioso Salvare DB Control

**Description**

Database control interface for the searching/sorting of animals eligible for training/use as rescue animals in the Grazioso Salvare Organization. This program presents as a web application (is accessible via any common web browser) once launched by the server or other device with access to the AAC database.

**Badges**

No badges/metadata requested.

**Visuals**

Initial app state and datatable:

![A white sheet with black text

Description automatically generated]()

Map of current selection and chart representation of table:

![A close-up of a map

Description automatically generated]()

**Installation**

Install the Milestone4.py file and controller notebook/python file in the same directory (preferably with logo image .png file). Launching and running the controller notebook file will generate the web application and make it accessible via the generated link.

**Usage**

Rescue Animal Identification:

Rescue animals can be identified by type (disaster, mountain, etc) in the data table using the dropdown menu above the data table.

Data-table functions:

Columns can be sorted in low-high or high-low order using the arrow buttons above each column in the filter cell. Sorts can be combined with the first sort applied taking priority (queue order).

Documents can be filtered to only include matching text using the filter cell at the top of each column in the data table.

Individual rows can be selected to highlight a specific animal and displaying it’s location on the map below the data table.

Map Functions:

Map displays the location of the currently selected animal. The location can be hovered to show the breed and name of the highlighted animal.

Normal map movement and zoom functions available for clarity.

Pie Chart Functions:

Not interactive, but updates to reflect the current contents of the data table.

**Support**

For immediate support, call the Global Rain directory at 111-222-3456 and mention the project name.

To submit a support request/bug report, email Graz001@GlobalRain.net

**Contributing**

Contributions limited to Global Rain developers only. Submit bug reports/suggestions as stated above.

**Authors and acknowledgment**

Global Rain developers

-Chuke Rupert

**License**

Unlicensed

**Project status**

Submitted for approval