Project Two

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Client/Server Development

SNHU

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**About the Projects**

The purpose of this project is to accomplish the requirements set by the client regarding the functionality. The design was to create a full-stack applications that communicates with the backend, Animal Shelter database, with the front-end dashboard. Additionally, creating a user that allows Grazioso Salvare access to the database. The application uses pymongo package to interact with the database. The application interacts with a CRUD functionality script to access and alter information in the database. Additionally the dashboard allows for filtering and un-filter information stored in the database. This filtering allows to search for multiple types of training such as water rescue, mountain or wilderness rescue, and disaster or individual tracking.

**Motivation**

This makes it easier to filter and visualize the data retrieved from the Animal Shelter database to the front-end (interface).

Below are screenshots of the dashboard:

**Logo:**

Graphical user interface, text

Description automatically generated

**Data Table with filter:**Graphical user interface, text

Description automatically generated

**Data Pie Chart:**

Graphical user interface, text, application

Description automatically generated

**Geolocation:**

During this part of the functionality I was not able to complete as the resources provided to me had a broken link.

Graphical user interface, text

Description automatically generated

**Contact**

Name: Terry Bishop

**Reference**

Problem Solving with Python. (n.d.). Plotting with Matplotlib. [Bar Charts and Pie Charts - Problem Solving with Python](https://problemsolvingwithpython.com/06-Plotting-with-Matplotlib/06.06-Bar-Charts-and-Pie-Charts/)

Plotly. (n.d.) Dash DataTable. [Dash DataTable | Dash for Python Documentation | Plotly](https://dash.plotly.com/datatable)

Plotly. (n.d.) Dash Core Components. [Dash Core Components | Dash for Python Documentation | Plotly](https://dash.plotly.com/dash-core-components)