CS 340 Client/Server Development

7-1 Project Two Submission

README TEMPLATE

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**Concerning the Project/Title of the Project**

The goal of project two is to construct a dashboard that allows a person (particularly, Grazioso Salvare) to search for and adopt dogs in the Austin, Texas region.

There are three main features on the dashboard:

1. A data table including all the pet's information

2. A pie chart that shows the different breeds of pets inside the table.

3. A map indicating the pet's location

Furthermore, it employs a radio button as a filtering to easily find the pet kinds that fulfill the Grazioso Salvare care animal standards.

**Purpose**

The purpose of the project is to simplify the process of searching a database and giving relevant information to customers directly.

**Section 1: Setting up mongoDB**

You'll need python and pymongo installed for this activity. I'm using Python 3.10.1, but any version later than 3.9 should suffice.

The initial step is to load the necessary AAC data into MongoDB. To do so, follow the instructions below:

Graphical user interface, text

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The following step is to set up Admin and User rights, as seen in the screenshots below:

1. **Admin**Graphical user interface, text

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Text

Description automatically generated

1. **aacuser**

Graphical user interface, text

Description automatically generated

**Section 2: Installing**

To get started, go to your home directory, and download the necessary files:

1. ProjectTwoDashboard.ipynb
2. MongoDBCRUD.py

**Section 3: Relevance**

1. To use, go to the top of the page and pick the relevant radio button.

2. Select a radio button beside a row you wish to display to update the map.

**Graphical user interface, text, application

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**Graphical user interface, text, application

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**Graphical user interface, application

Description automatically generated**

**Example of a Code**

1. **Graph**

Displays all data as a pie chart split down by breed, rather than just what is clearly provided in the table.

Graphical user interface, text, application

Description automatically generated

1. **Map**

Displays the location of the specified row.

Graphical user interface, text, application

Description automatically generated

1. **Radio Button**

Sets the default to reset and toggle switches between choices.

Text

Description automatically generated with medium confidence

1. **Table**

Displays all values queried

Text

Description automatically generated

Graphical user interface, text

Description automatically generated