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Project 2 ReadMe

CS-340

README

This application provides users with access to the CS 340 Austin Animal Center (AAC) database, enabling them to search and filter animal records. Users can apply filters to identify animals associated with Grazioso Salvare, the project's requester, for dashboard creation. Additionally, the project incorporates geolocation mapping, interactive features, and data visualization tools to assist in locating and utilizing animals for search and rescue operations.

To get started with this program, follow these steps:

1. Launch MongoDB and import the `aac\_shelter\_outcome.csv` file.

2. Create both a simple and a complex index to facilitate data parsing.

3. Set up user authentication by creating an Admin account and an `aacuser` account for database access.

4. Install Python if not already installed and run the program from a notebook.

5. Enter the dashboard address and connect to begin using the application.

The current version of python and juypter notebook is needed to run the .py file and the .ipynb file. You must have access to the Pymongo, Pandas, Leaflet libraries and the Dash to create the needed functions. You need mongodb to access the database that has the information you need to complete the project.