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Project 2 README  
CS340 – Client / Server  
10/24/2025

This project allows the user to select from a set of pre-defined ‘Rescue Type’ filters based on the following criteria: A table with text on it

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If no filters have been applied, or existing filters are cleared by selecting type ‘All’ for each category, the dashboard will update to display all animals currently in the database with 10 results per page.  
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As an alternative, the user may opt to filter by Animal Type, Breed, and / or current status.

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To begin working on this project, you'll need to install and set up Python, MongoDB, Plotly, and Dash, along with their required components. Start by installing Python from the official website (https://www.python.org/ftp/python/pymanager/python-manager-25.0.msix) and ensure it's added to your system PATH. Next, download and install MongoDB Community Server from [https://www.mongodb.com/try/download/community], and follow the instructions for your operating system to set up the database server.

Once Python and MongoDB are installed, open your terminal or command prompt and run pip install plotly dash pymongo to install the necessary Python libraries for data visualization and database interaction. Make sure MongoDB is running before you launch your Dash app, as it will need to access the database. Refer to the official documentation for each component for any additional configuration steps specific to your development environment.  
  
Following these steps, ensure that the database is correctly set up using the database name shelters and collection name animals.