A screenshot of a computer program

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This continuous error was popping up on my ipynb file on Jupyter and I was unable to find the fix for it. I have added indentation to the @app.callback line and I have also removed it in many different ways. The same error continues to pop up and it has been hindering the progress of my project. I have reviewed the remainder of my project so that it would align with the requirements and the specifications of the rubric as much as I could without the possibility of seeing my progress. With this, I still continue to make my report for expected functionalities of my program.

The dashboard of this project has a title, image from Grazioso Salvare, buttons for filtering, a table for data, and graphs. We used a MongoDB database to store information and to retrieve data about the animals from the shelter in Austin, Texas. The use of the callbacks are intended to update the tables according the filtering options that are selected. There are additional callbacks that are used in order to update the graphs and charts based on the selected data as well.

Some of the tools that are used in the program are JupyterDash, Dash Leaflet, Plotly Express, MongoClient, and Base64. The use of MongoDB allows for additional flexibility in adding and removing data and allows for scalability in case the database needs to continue to grow. MongoDB also allows us to store the many attributes that the animal shelter needs to store about information from the animals.

The Dash framework use is intended to build visual data by the use of a dashboard and its components. This is important since we included the use of data tables and charts to display information about the animal shelter in the dashboard. This interacts with Python in order to make interactive components available to use in the dashboard.

Some of the steps that were taken to complete this project include: Creating a user and connecting to MongoDB database by using the MongoClient. I then developed an animalshelter.py file that implemented the CRUD operations (create, read, update, and delete operations) to connect the MondoDB database using the animalshelter.py file. Next was the creation of the dashboard layout in order to use the integrated components and image that was provided from Grazioso Salvare. The following step was the implementation of the callback features in order to add functionality to the filtering process on the dashboard. Lastly was the implementation of the callback features for the graphs and data tables based on the selection of data.

I previously stated my great challenge of getting through the errors of the indentation of the callbacks and not finding a solution. Another thing that I did have to overcome were some of the errors that I had from previous modules. I believe that my code was falling behind little by little every module and in the end, I was unable to accurately work on this project without the visualization of the intended dashboard that I was working on.

Overall, the ideas and implementations that were needed from this project were pretty clear to me, but the execution was quite questionable. I felt like the resources that were provided were quite minimal on effectiveness for what I was having troubles with. In the end, I can only hope that a review on my project will be able to help me understand the errors that I have throughout my project so that I can have a visual of the work that I have done through py, ipynb, and MongoDB files.