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**CS-340-11221-M01 Client/Server Development 2024**

**6-1 Milestone: Dashboard Data Visualizations**

**Southern New Hampshire University**

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1. Open the ModuleSixMilestone-Template.ipynb file, which contains the starter code for the Grazioso Salvare dashboard. Upload this file into Apporto and open it using the Jupyter Notebook application. Be sure to review all the starter code provided. Pay special attention to the import commands and the comments describing what each code section does.

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2. Update the code to create an interactive data table on the dashboard that shows an unfiltered view of the Austin Animal Center Outcomes data set. To populate the data onto your table, you will use your previous CRUD Python module, from Project One, to run a “retrieve all” query and import the data from MongoDB. This data retrieval will access the “model” portion of your MVC pattern: the MongoDB database. Be sure to hardcode in the username and password for the “aacuser” account.

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3. Add a geolocation chart that displays data from the interactive data table to your existing dashboard.

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4. Finally, run the IPYNB file and take a screenshot of your dashboard as proof of this execution. Your screenshot should include 1) the interactive data table populated with the Austin Animal Center Outcomes data from MongoDB and 2) your geolocation chart showing the location of the first dog in the table. Additionally, your unique identifier (created in the Module Five assignment) should also appear in the screenshot.

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