Southern New Hampshire University

CS 340 Module 5 Read me Animal Shelter

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**CRUD Function Project’s details.**

In this project in module three and four in mongo db successfully imported all the AAC animal filesit allows to application allows a user access to a database of animals to create, read, update, and delete, CRUD animals from the stored data.

ACC file Mongo and import the csv file aac\_shelter\_outvome.csv.

Then create a separate username and password for specific user, to access the data base in jupyter notebook, once I have the access in notebook then it is quite easy to manipulate the date according to client requirements.

While doing practice in MongoDB , Jupyter notbook , python , this project its great experience to exercise all data aggregation and data mining in small scale of data sets , in module three and four products guides to create and read functions now in this module allowed to do full CRUD function manipulate the data AAC data sets through jupyter notebook impoting pymongo ,py client , then write pycript , current version of Python to run both the .py and the ipynb files to manipulate animal data sets write any CRUD functions in note book able to test this a user would use. After starting MONGO and loading the python files necessary to run the program a user could enter print animals. create use string type to add animals with the program throwing a boolean if it is successfully added or an error if not added.

**About the Project Create and Read in Python**

The project is to provide functionality in order to develop a web application that connects a client-side user interface to a database. This is a portable Python module that has Create and Read functionality and connectivity to Mongodb database.

**Motivation**

This project exists to glue a Mongodb database and a user interface together for Project One and it is also part of assignment Module 4 for CS-340 SNHU course.

**Getting Started**

To get a local copy up and running, follow these simple example steps:

In the module4.py file change username, password, port\_number and database\_name to your Mongodb credentials.

self.client = MongoClient('mongodb://**username**:**password**@localhost:**port\_number**/**database\_name**')

**Installation**

List of tools you will need to use this software:

* Python 3 information to download and install are at <https://www.python.org/>
* Jupter Notebook is used to test and run the test\_module4.ipynb download and install from <https://jupyter.org/>
* Mongodb is database software and can be downloaded and installed from <https://www.mongodb.com/>
* Pymongo is a tool to interacting with MongoDB database from Python <https://pypi.org/project/pymongo/>

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*A computer screen shot of a computer code

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Input -> argument to function will be a set of key/value pairs in the data type acceptable to the MongoDB driver insert API call.

Return -> “True” if successful insert, else “False”.

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Create function.

and authentication

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