Jerry Barboza

CS 340

Module 7

Project 2: README

**Explanation of the purpose of the CRUD Python module:**

***CRUD*** *enables the functionality of* ***create****,* ***read****,* ***update****,**and* ***delete*** *data from a CSV file. The C stands for create, where we can add new entries into our CSV file. The R in CRUD stands for read where we can retrieve, search, or view existing entries. The U in CRUD stands for update where we can update or edit existing entries. Finally, the D stands for delete where we can delete, deactivate, or remove existing entries.*

**Dashboard: Four Buttons: Water Rescue, Mountain, Disaster, Reset**

**Table

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**Graphical user interface, application

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**Explanation of how the module should be used:**

Since MongoDB is a cross-platform document-oriented with high speed, availability, and scalability, and supports hierarchical data structure and Dictionaries in Python, it is a great tool to use with Python specially when dealing with Big Data.

We first must start MongoDB from command by typing:

*mongod*

Now to connect MongoDB to Python we must import it by executing the following command:

*from pymongo import MongoClient*

We then add the following line of python code to connect the MongoClient on the localhost, xxxxx being your 5 digit number for your localhost

*self.client = MongoClient('mongodb://%s:%s@localhost:xxxxx' % (username, password))*

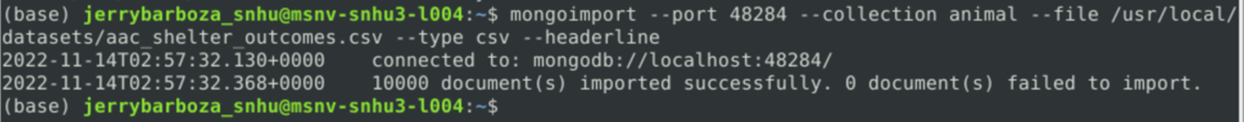
The following is an image of the CRUD in the py. code where it allows us to create, read, update and delete:

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**Functionality and Steps Taken:**

STEP 1:



STEP 2:

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<https://www.geeksforgeeks.org/mongodb-and-python/>