**Create and Read in Python**

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CS 340 – Client/Server Development

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**Each page of this document contains a screenshot of each command that was executed…**

1. Uploaded AAC Outcomes dataset completed in Module 3 Milestone (Step 1):

A screenshot of a computer

Description automatically generated

Before the command was executed.

1. After the import command is executed (Step 1):

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1. Jupyter Notebook – import of CRUD Python Module and instantiation of AnimalShelter class:

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1. Creates a dictionary called data that will be used when executing the create functionality from the python module:

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1. Execution of the create method from the AnimalShelter class in the python module using the previously created dictionary “data”:

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The result True is returned upon successfully inserting a document into the specified MongoDB database and collection.

1. Second execution of the create method from the AnimalShelter class in the Python module using the previously created dictionary “data”:

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The try/catch block in the create method throws an exception because of a write\_concern for a duplicate key. False is returned by the thrown exception.

1. A third execution of the create method from the AnimalShelter class in the Python module with a None data type passed in:

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The create method raises an exception as expected.

1. Execution of the read method from the AnimalShelter class in the python module. If the data is found it is assigned to query and a for loop is used to iterate through query and display the data to the user:

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Description automatically generated

1. A second execution of the read method from the AnimalShelter class in the python module. This shows that when a query is made that does not match any documents in the specified MongoDB and collection, an empty list is returned and displayed to the user:

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Description automatically generated

1. A third execution of the read method from the AnimalShelter class in the Python module with a None data type passed in:

A screenshot of a computer

Description automatically generated

The read method raises an exception as expected.