# CS 340 README Template

## About the Project/Project Title

*The application will allow a user to access a database of animals. This will allow the user to create, read, update, and delete (CRUD) animals from this database.*

## Motivation

*The program is designed to validate the skill of the coder in working with and manipulating a database.*

## Getting Started

*The access this program, you must:*

1. *Open and enter MongoDB*
2. *Import the appropriate CSV files (‘acc\_shelter\_outcomes.csc’)*
3. *Create an index to parse the data stored in this database*
4. *Create an Admin account, as well as a accuser account*
5. *Install python and run programs from notebook*

## Installation

*The current version of Python is needed for both the .py and the .ipynd files to run*

*MongoDB is needed to access the database*

## Usage

### Code Example

In order to add animals to the database, you would use:

*Print(animals.create(“STRING\_TYPE”))*

This function will add the animals then return a Boolean to indicate either success or error.

The retrieval of information can be completed with:

*query = animals.getRecord({“name”: “NAME”)}*

The parameters can be adjusted based on your particular need.

### Tests

Code was tested with the use of invalid statement:

*Print(animals.create(0.0))*

This created an invalid argument while it tries to create an invalid data type.

### Screenshots

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

## Contact

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