**DATABASE Interactions™**

***DI***

**FOR BALTIMORE CITY COMMUNITY COLLEGE**

*“An exciting data organization system at an exciting price.”*

**Target Business**

*Baltimore City Community College*

**Advantages**

* Adding new features and queries is easy to do and the application can easily have additional features added.
* Debugging output via the command line to diagnose issues.
* Scrollable Tkinter frame to display results much faster than competitors.
* Lightweight and simple to navigate application.
* Application loads almost instantly
* Supports custom queries

**Current limitations**

* No user privilege system
* No password required to utilize application
* Needs a Python library to function
* User has direct access to database

**Implemented Functionality**

* List the names of the courses offered by a specific program.
* List what courses are offered in a specific department during a specific semester.
* List the first and last names of staff that teach a course in a specific program.
* List the first and last names of staff that are also an advisor.
* List the first and last names of students who has a specific staff member as an advisor.
* Retrieve how many students withdrew/dropped a specific course during a specific semester.
* Generate a list of professors who have taught at Baltimore City Community College for more than or equal to five years as of a specific semester.
* List all of the first and last names of students enrolled in a specific program who are female.
* Find the name of the student who has a specific ID no.
* List the grade records all of the courses during a specific semester for a particular student.
* Ability to do your own custom query.