**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 additional queries is a breeze
* Highly extensible functionality due to a modular program design
* Debugging output via the command line to diagnose issues.
* Scrollable table window that displays results much faster than competitors
* Lightweight and easy-to-navigate application
* Application loads almost instantly
* Ability to execute custom queries

**Current limitations**

* No authentication or authorization systems in place
* Requires Python 3 to function
* Users have direct access to the 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.
* Execution of custom queries typed by the user