DI

DATABASE INTERACTIONS™

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