



Northeastern University

CS5200 Project Application Code (maximum points: 40 Points)

Provide one file that contains a zip file of the application code used to build your system. Please provide a README file that contains the README section from the final report.

You must have connectivity from your front end to your database in order to receive any points for this task. The host languages supported are the latest versions are Java, Python and R. Approval of any other language must be given in feedback from the project proposal.

Please be sure to include all CRUD operations (create, read, update, delete), in particular the operations that have not been demonstrated during your project presentation. If the amount of application code is excessive, you may limit the code to the functions that interact with the database and just provide a sample of the user interaction code. However, you must get this approved by the staff before final submission.

1. A user should be able to create new tuples in the database. More points allotted for different types of entities created. (1-6 Points)
2. A user should be able to delete data tuples from the database. More points allotted for different tables supported for the delete operations. (1-6 Points)
3. A user should be able to read data from the database. More points allotted for different tables read. (1-6 Points)
4. A user should be able to update tuples in the database. More points allotted for more tables providing the update operation. (1- 6 Points)
5. Functionality provided by the project is a complete solution for the chosen data domain Completeness of operations provided to the user. (1-3 Points)
6. Modularization of code use of functions in the front end code as well as use of SQL user defined procedures, functions, triggers, and events) (1-3 points)
7. Error handling system (testing of arguments, user input, SQL error catch/try mechanism (1-5 points)
8. 3 to 5 interesting queries that can be used for analysis or visualization of the data (at the detailed level or summary data) (1-5 points)
9. BONUS POINTS: additional front end functionality such as website (1-5 points)
10. BONUS POINTS: overly complicated translations from user operations to database operation) (1-5 points)

The file should be named lastname_project.zip, where lastname is your last name.

