

## Front end Code (40 Points)

Provide one file that contains a zip file of the code used to build your system. Please provide a README file that contains:

- Any project deviations from your progress report, such as a change in database, user interface and programming language etc.
- Expected directory paths for files

You must have connectivity from your front end to your database in order to receive any points for this task. Please be sure to include all CRUD operations, 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 interacts 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. User should be able to create new objects in the database. (7 Points)
2. User should be able to delete data from database. (7 Points)
3. User should be able to read data from database. (7 Points)
4. User should be able to update data in the database. (7 Points)
5. Completeness of operations provided to the user. ( 4 Points)
6. Modularization of system (use of SQL user defined Procedures, functions, triggers, and event ) (4 points)
7. Error handling system (testing of argument checking, user input, SQL error catch/try mechanism (4 points)
8. BONUS POINTS: additional front end functionality such as website from a 2 person group ( 1- 5 points), 1 person group (1-10 points)
9. BONUS POINTS: overly complicated translations from user operations to database operations (1-5 points)