**CS257 Project Confession List Part 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Part 1 is worth 70 points and it is due on 10/22/21.** You must submit part 1 on Canvas with db.h, db.cpp, and this completed checklist. Remember that your program MUST be able to compile using the gcc compiler from a command line prompt line like “gcc -o ./db db.cpp” from Mac or Windows. Late submission will close on 10/24/21.

Here are the basic test scenarios which you should have performed. Put an "X" next to the each test scenario which your program did NOT handle successfully. Leave it blank ONLY if it is 100% successful. This list does NOT include all the tests which I will perform. Therefore you can still get points taken off even you pass all the tests in this list.

What is your OS (Mac or Windows or Linux) \_\_\_\_\_\_\_\_\_\_\_\_ 64-bit GCC Compiler? \_\_\_\_\_\_\_\_\_

Normal test scenarios - no error input, validate dbfile.bin size and table file contents after each step

01. \_\_\_ Create 1 table, “create table class(Student char(12) NOT NULL, Gender char(1), Exams int, Quiz int, Total int)”.

02. \_\_\_ Insert 10 rows of good data in random order base on Student\_Name (check data file content).

03. \_\_\_ Test simple select \* statement, “e.g. select \* from class”.

04. \_\_\_ Make sure select output is formatted with headings. Strings are left justified. Integers are right justified.

Error test scenarios - error condition must not cause any exception

05. \_\_\_ Check syntax and semantic errors in various INSERT statement combinations

06. \_\_\_ Catch “data type mismatch” errors on INSERT.

07. \_\_\_ Enforce NOT NULL condition on INSERT.

Additional confession/information about your project – Itemized anything from the above 7 items where you have or haven’t test successfully.