

You shall submit a zipped, **and only zipped**, archive of your homework directory, hw5. The directory shall contain, at a minimum, the files `hw5/src/gradebook.cc` and `hw5/inc/gradebook.h`. Name the archive submission file `hw5.zip`

I will use my own makefile to compile and link to your `hw5/src/gradebook.cc` and `hw5/inc/gradebook.h` files. You must submit, at least, these two files.

Now that you have implemented the C++ version of a class you might have implemented in CSCE 146, you will utilize one of the language-specific features of C++. Operator overloading is necessary in C++ to utilize templates; templates are equivalent to generics in Java.

The GradeBook object provides a means to manage sets of grades. In this version of GradeBook, you will provide operator overloads. Read the given header file documentation for instructions on how the methods should behave.

I have provided you a basic test app which you can use to ensure that your code is, at least partially, correct. I would suggest a more rigorous testing scheme to ensure that your methods handle missing data.

You will receive 0.5 points for each passed test (see test-all) as illustrated in the test files, for a maximum of two points. There will be an additional point for compiling against all the tests. In addition, you will receive up to two points for correct style for a total of 5 points. This assignment will be weighted at three points.

Late assignments will lose 10% per day late, with no assignment begin accepted after 3 days (at 100% reduction in points).