Requirements Test for Software Developers

May be completed in C# or C++ language

Write a console app that:

- Takes as a parameter a string that represents a text file containing a list of names, and their scores
- Orders the names by their score. If scores are the same, order by their last name followed by first name
- Creates a new text file called <input-file-name>-graded.txt with the list of sorted score and names.
- Takes a CSV input file with the format of **First Name, Surname, Score**
- Output file format is CSV with the format of **Surname, First Name, Score**

Example, if the input file (students.txt) contains:

TED, BUNDY, 88
ALLAN, SMITH , 85
MADISON , KING, 83
FRANCIS, SMITH, 85

Then the output file (students-graded.txt) would be:

BUNDY, TED, 88
SMITH, ALLAN, 85
SMITH, FRANCIS, 85
KING, MADISON, 83

Assessment

- Your solution should meet the above requirements.
- Unit tests should exist.
- The solution should be hosted on services like https://github.com
- Compile and unit tests should run automatically on check-in via a CI service like http://www.appveyor.com
- Code should meet appropriate SOLID programing principles https://en.wikipedia.org/wiki/SOLID_(object-oriented_design)

Submission

- URL link to publicly viewable code repository, or provide details to access code
- URL link to results or screen shot of unit tests running with results

Assumptions

- Application should be able to handle relative and full paths file inputs
- Output file should be in the same folder as the input file
- Text ordering should be case-insensitive
- The application name should be grade-scores.exe
- Exceptions should be handle appropriately, (Candidate to defined what is appropriate)
- Only output to the console when complied in a debug mode.
- Tests should be concise and appropriate
- Sorting source should be descending order
- Sorting names should be ascending order