**Requirements Test for Software Developers**

**May be completed in any language.**(Although C# or C++ are preferred)

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 execution of unit tests should run automatically on check-in via a CI services like <http://www.appveyor.com>
* Code should meet appropriate SOLID programing principles <https://en.wikipedia.org/wiki/SOLID_(object-oriented_design)>
* Assessment of coding is based on the role being applied for

**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 score should be descending order
* Sorting names should be ascending order