Sentiment Analysis NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Functions (pass by value vs reference)
* Function files (.h & .cpp)
* Vector (of struct)
* Looping, Branching, Print formatting
* File input & File output
* String manipulation & ASCII Character verification

|  |  |  |  |
| --- | --- | --- | --- |
| **OBJECTIVE** | **DESCRIPTION** | **RESULTS EXPECTED** | **POINTS\*** |
| **0. Pseudocode** | Pseudocode provided is clear, easy to follow and allows the program to follow program logic |  | **/20** |
| **1. Accuracy** | User is prompted to enter input file |  | **/5** |
|  | Error in provided if input file cannot be opened |  | **/5** |
|  | P/N/Q menu is displayed properly. It is followed with the proper message to the user |  | **/10** |
|  | review1.txt  review2.txt  review3.txt  review4.txt  (NOTE: only 2 of these 4 files will be verified) | Display Initial File   * Input file is displayed & output is limited to 80 characters * original sentiment value is correct   Display Updated File   * Output file is loaded with the edited input & displayed on the screen * output to screen displays substitutions made to the file * Updated sentiment value is accurate | **/20**  **/20**  **/40**  **/20**  **/20** |
|  | User is prompted to continue if desired |  | **/10** |
| **2. Style** | Code is well organized  & easy to read | * Related code is put together * Indentions are properly used to improve readability * Variable names are meaningful | **/10** |
|  | Proper functions and function files are used | * .h and .cpp files are appropriately setup * pre & post comments for functions are included | **/10** |
|  | Code is well commented | * Heading information includes Name, Date & Program name * Brief explanations before blocks of related code | **/10** |
| **Bonus Feature(s)** | Punctuation following substituted words is included |  | **+20** |
| **TOTAL** | ADDITIONAL COMMENTS: |  | **/200** |

**POINTS\***

Points assigned are partially subjective, but you can expect points assigned as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 0 | 1 | 2 - 3 | 4 | 5 (5 point scale) |
| 0 | 1-5 | 6 – 7 | 8-9 | 10 (10 point scale) |
| 0 | 1-10 | 12-14 | 15-19 | 20 (20 point scale) |
| No evidence of meeting this requirement | Evidence of requirement, but working at a substandard level  (code is present, but does not compile, for example) | Evidence of requirement, partially working  (code is present, some values work, but other values cause an abend for example) | Requirement is predominantly met, but has some small issues  (code is present and runs, but output is not completely correct, for example) | Requirement is fully met and functioning |