CS2303: Systems Programming Concepts

C-term, 2018: Assignment 3 Grading Form

Student Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grader’s initials \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For each section, your points depend on whatever is appropriate for that section: For example: whether the program runs without crashing, whether the comments are complete and understandable, etc.

**Notice: if the program can not be compiled or run successfully, a “0” will be assigned directly.**

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| **Feature** | **Max**  **Points** | **Points**  **Earned** | **Comments** |
| Program compiles and runs without warnings | 5 |  |  |
| Proper indentation in source files to show structure | 5 |  |  |
| Complete internal comments | 10 |  |  |
| Proper Doxygen-compatible header comments for every function | 10 |  |  |
| Meaningful function and variable names | 5 |  |  |
| Well-written “readme” file | 5 |  |  |
| Correct make file | 3 |  |  |
| Correct Doxyfile | 2 |  |  |
| Replacement strlen() | 5 |  |  |
| Replacement strcpy() | 5 |  |  |
| Replacement strcat() implemented and demonstrated | 5 |  |  |
| Replacement strncat() implemented and demonstrated | 5 |  |  |
| Replacement strncpy() implemented and demonstrated | 5 |  |  |
| Replacement strndup() implemented and demonstrated | 5 |  |  |
| Function to create struct | 3 |  |  |
| Function to print struct | 2 |  |  |
| Function to create random string implemented | 5 |  |  |
| Function to create random struct implemented | 5 |  |  |
| Function to create array of pointers to random structs implemented and demonstrated | 5 |  |  |
| Function to print array of pointers to structs implemented and demonstrated | 5 |  |  |
| Shallow copy function implemented and demonstrated | 5 |  |  |
| Function to free array of pointers to structs implemented and used | 5 |  |  |
| **Extra credit: Deep copy function** | 20 |  |  |
| Late | -20 daily |  |  |
| **Total** | **110** |  |  |