**Code Review Checklist**

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| Student | Juan Alberto Gutierrez Canto | Date | 16/07/2016 |
| Program | List sort | Program # | 8A |
| Instructor | Jorge Rafael Aguilar Cisneros | Language | C++ |

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| Purpose | To guide you in conducting an effective code review |
| General | * Review the entire program for each checklist category; do not attempt to review for more than one category at a time! * As you complete each review step, check off that item in the box at the right. * Complete the checklist for one program or program unit before reviewing the next. |

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| Complete | Verify that the code covers all of the design. | MB | B | R | M |
| Includes | Verify that the includes are complete. | X |  |  |  |
| Initialization | Check variable and parameter initialization.   * at program initiation * at start of every loop * at class/function/procedure entry | X  X  X |  |  |  |
| Calls | Check function call formats.   * pointers * parameters * use of ‘&’ | X  X  X |  |  |  |
| Names | Check name spelling and use.   * Is it consistent? * Is it within the declared scope? * Do all structures and classes use ‘.’ reference? |  | X  X  X |  |  |
| Strings | Check that all strings are   * identified by pointers * terminated by NULL | X  X |  |  |  |
| Pointers | Check that all   * pointers are initialized NULL * pointers are deleted only after new * new pointers are always deleted after use | X  X  X |  |  |  |
| Output Format | Check the output format.   * Line stepping is proper. * Spacing is proper. | X  X |  |  |  |
| () Pairs | Ensure that () are proper and matched. |  |  |  |  |
| Logic Operators | * Verify the proper use of ==, =, ||, and so on. * Check every logic function for (). | X  X |  |  |  |
| Line-by-line check | Check every line of code for   * instruction syntax * proper punctuation |  |  | X  X |  |
| Standards | Ensure that the code conforms to the coding standards. |  |  |  |  |
| File Open and Close | Verify that all files are   * properly declared * opened * closed | X |  | X  X |  |