**Code Review Checklist**

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| Student | Cristian Berrio & David Acevedo | Date | 28/09/2017 |
| Program | Calcular rangos relativos | Program # | 4 |
| Instructor | Juan Carlos Marín | Language | JavaScript |

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