

Revisión de Diseño de Alta-Alumnos

23/03/2017

0.2

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**Control De Versiones**

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| Nombre Del Archivo | Versión | Fecha de modificación | Autor | Comentarios |
| Csoft-Revisión\_Diseño-080317.docx | 1.0 | 06/03/2017 | JAGB |  |
| Csoft-Revisión\_Diseño\_Alta-Alumnos-080317.docx | 0.2 | 23/03/2017 | JAGB | Modificación del nombre y formato del documento |
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**PSP2 Design Review Checklist**

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| Student | Jesus Alberto Goiz Barrales | Date | 08/03/2017 |
| Program | Alta-Alumno | Program # | Alta-Alumno |
| Instructor | PEBM | Language | C |

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| **Purpose** | To guide you in conducting an effective design 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 design covers all of the applicable requirements.   * All specified outputs are produced. * All needed inputs are furnished. * All required includes are stated. |  | Revisado, Se Hicieron correcciones ( JAGB). |
| External Limits | Where the design assumes or relies upon external limits, determine if behavior is correct at nominal values, at limits, and beyond limits. |  | Revisado |
| Logic | * Verify that program sequencing is proper.   Stacks, lists, and so on are in the proper order.  Recursion unwinds properly.   * Verify that all loops are properly initiated, incremented, and terminated. * Examine each conditional statement and verify all cases. |  | Revisado |
| Internal Limits | Where the design assumes or relies upon internal limits, determine if behavior is correct at nominal values, at limits, and beyond limits. |  | Revisado |
| Special Cases | * Check all special cases. * Ensure proper operation with empty, full, minimum, maximum, negative, and cero values for all variables. * Protect against out-of-limits, overflow, and underflow conditions. * Ensure “impossible” conditions are absolutely impossible. * Handle all possible incorrect or error conditions. |  |  |
| Functional Use | * Verify that all functions, procedures, or methods are fully understood and properly used. * Verify that all externally referenced abstractions are precisely defined. |  |  |
| System Considerations | * Verify that the program does not cause system limits to be exceeded. * Verify that all security-sensitive data are from trusted sources. * Verify that all safety conditions conform to the safety specifications. |  |  |
| Names | Verify that   * all special names are clear, defined, and authenticated * the scopes of all variables and parameters are self-evident or defined * all named items are used within their declared scopes |  |  |
| Standards | Ensure that the design conforms to all applicable design standards. |  |  |