**PSP2 Design Review Checklist**

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| Student | Javier Hernando Mesa Losada | Date |  |
| Program |  | Program # |  |
| Instructor | Mario Riveros | Language | Java |

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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. | X |  |  |  |
| Abstraction | Verify that  -all requirements are contemplated in the design  - do not consider attributes as classes | X |  |  |  |
| Encapsulation | Verify that  - attributes are private  - methods are public | X |  |  |  |
| Functional Use | Check that  -there are no repeated functionalities in the classes  - the methods do something specific | X |  |  |  |
| 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 | X |  |  |  |
| 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. | X |  |  |  |
| Standards | Ensure that the design conforms to all applicable design standards. | X |  |  |  |