**Code Review Checklist**

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| Student | Javier Hernando Mesa Losada | Date | 23/04/2017 |
| Program | PSP 2.1 | Program # | 7 |
| Instructor | Mario Riveros | Language | Java |

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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. | X |  |  |  |
| Includes | Verify that the includes are complete. | X |  |  |  |
| Default package | Check that all classes and interfaces are not in default package | X |  |  |  |
| Header | Verify that the classes and interfaces are conform to the header format.  /\*\*  \* <class\_name>.java  \* <program\_name>  \* Copyright (c) <owner\_company>  \*/  package ...  import ...  /\*\*  \* <class\_name>  \*  \* **@**author <author\_name>  \* **@**version<versión\_number>  \* **@**since <creation\_date>  \*/ | X |  |  |  |
| Indentation | Verify that each line of code is indented correctly with 4 spaces. Each line should be no longer than 80 characters. | X |  |  |  |
| Comments | Check that the methods are documented with the Javadoc. | X |  |  |  |
| Naming | Verify that the names of the packages, classes, methods, constants and variables comply with the coding standard naming. | X |  |  |  |
| Initialization | Check that variables and parameters are appropriately initialized in:  - Loops  - Methods parameters | X |  |  |  |
| Blank lines | Verify that blank lines separate:  - Method declarations  Not separate:  - Variable declarations  - Constant declarations | X |  |  |  |
| Blank spaces | Check that blank spaces separates appropriately declarations with Java reserved word. | X |  |  |  |
| Standards | Ensure the code conforms to the Java coding standard. |  |  |  |  |
| File Open & Close | Verify that all files are  -Declared  - Opened  - Closed |  |  |  |  |
| Output format | Check the output format  - Line stepping is proper  - Spacing is proper |  |  |  |  |
| Logic operators | Verify the proper use of ==, =, ||, and so on.  Check every logic function for (). |  |  |  |  |