CSCI 2134 Code Review Checklist[[1]](#footnote-1)

|  |  |  |  |
| --- | --- | --- | --- |
| Participants: | Lynda Ofume – B00738568 | | Taylor MacIntyre – B00752864 |
| Kiera Flint – B00727706 | |  |
| Date: | January 30, 2020 | Project: | Lab\_2 |
| Files: | AngryBot.java | | |

**Rating**: (**A**) Occasional occurrence (**B**) Frequent occurrence (**C**) Pervasive (really bad)

|  |  |  |
| --- | --- | --- |
| **Hygiene and understandability** | Rating | Locations if present (File/Line #) |
| * Commented-out code fragments | A | No occurrences- AngryBot.java |
| * Magic numbers (instead of constants) | B | Line #54,59 – AngryBot.java |
| * Improper or inconsistent naming convention | A | No occurrences- AngryBot.java |
| **Formatting (adheres to code guidelines)** | Rating | Locations if present (File/Line #) |
| * Inconsistent indentation | A | No occurrences- AngryBot.java |
| * Inconsistent horizontal spacing: between operators, keywords | A | No occurrences- AngryBot.java |
| * Inconsistent vertical spacing between methods, blocks, classes, etc | A | Lines #28-30 - AngryBot.java |
| **Comments** | Rating | Locations if present (File/Line #) |
| * Needless or redundant comments | A | Line #43- AngryBot.java |
| * No method headers to document parameters and functional dependencies | A | No occurrences- AngryBot.java |
| * Inconsistent in format and level of detail | A | No occurrences- AngryBot.java |
| **Error Handling** | Rating | Locations if present (File/Line #) |
| * Confusing or incomplete error messages | n/a | n/a- AngryBot.java |
| * Unhandled boundary and edge cases (null, 0, negative) | A | No occurrences- AngryBot.java |
| * Unvalidated use of parameters or inputs | C | Line #45,59,62,71- AngryBot.java |
| **Code Decisions** | Rating | Locations if present (File/Line #) |
| * Redundant code present | A | No occurrences- AngryBot.java |
| * Inappropriate accessibility (public, private, etc.) | A | No occurrences- AngryBot.java |
| * Unnecessary or redundant classes or objects | A | No occurrences- AngryBot.java |
| * Variables not in lowest scope | A | No occurrences- AngryBot.java |
| **Logic** | Rating | Locations if present (File/Line #) |
| * Out of bounds array indexes | A | No occurrences- AngryBot.java |
| * Incorrect conditions in conditional statements and loops | B | Line #48- AngryBot.java |
| * Loops may not terminate | A | No occurrences- AngryBot.java |
| * Division by zero possible | n/a | n/a- AngryBot.java |

# Comments:

Briefly list the top three issues with the codebase being reviewed and describe what remediations you would recommend.

|  |
| --- |
| * The array District is never declared: This could be revolved by declaring the array in the Super Class Timbot.java. * The IF statement on line #48, the conditional is less than 2, but to resolve the issue it would have to be greater than 2. * The constant number of 2000, was not declared but could be resolved by creating a constant variable for 2000. |

1. Based on <https://courses.cs.washington.edu/courses/cse403/12wi/sections/12wi_code_review_checklist.pdf> [↑](#footnote-ref-1)