CSCI 2134 Robustness and Conciseness Code Review Checklist

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| Reviewers: |  | |  |
|  | |  |
| Date: |  | Project: |  |
| Files: |  | | |

**Rating**: (**A**) Inconsistent with goals, but no effect on operations (**B**) Minor effect if not addressed (**C**)Major effect if not addressed (really bad)

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| **Input Validation** | Rating | Locations if present (File/Line #) |
| * Missing input validation on user input |  |  |
| * Missing parameter validation |  |  |
| * Missing file or database input validation |  |  |
| * Missing check on input size |  |  |
| * Missing check on input data ranges |  |  |
| **Error Handling** | Rating | Locations if present (File/Line #) |
| * Method can fail but doesn’t notify caller |  |  |
| * Method returns non-descriptive error information |  |  |
| * Ignored return code or exception |  |  |
| * Empty catch block |  |  |
| **Offensive Programming** | Rating | Locations if present (File/Line #) |
| * Error condition would be better handled with an assertion |  |  |
| * Special case code that could be handled by the regular algorithm |  |  |
| **Code Replication** | Rating | Locations if present (File/Line #) |
| * Similar code cases in one method |  |  |
| * Similar code to handle cases across methods |  |  |
| * Expression in conditional repeated in the same expression |  |  |
| * Method or code block too long or too complex |  |  |
| * Changing one aspect of operations would appear to need many inter-related modifications |  |  |
| * Classes are overly-dependent on one another |  |  |
| **Efficiency** | Rating | Locations if present (File/Line #) |
| * Inefficient conditional or loop condition |  |  |
| * Needlessly inefficient logic |  |  |

# Assumptions or general observations:

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# Comments:

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