

Problem 4: Quality Attributes

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1 Quality Attributes

Following are the efforts that has been made in achieving the quality attributes:

1.1 Correctness

- ‘Standard’ programming style for the source code has been followed.
- Related test cases have been added on the assigned functions.

1.2 Efficient

- Program takes less time to execute.
- Unnecessary variables, methods and the statements have been removed.

1.3 Maintainability

- Programming style has been made identical throughout the team to remove ambiguity.
- Necessary comments have been added where required.

1.4 Robustness

- Proper error handling has been done for the wrong user inputs.
- Use of Try...Catch block for handling java exceptions.

1.5 Usable

- Simple textual interface has been added for user input and output.
- Proper error messages have been given for the wrong inputs.
- Proper display of an output has been done for the right inputs.