Peer-graded Assignment: Commenting

Review by Sep 9, 11:59 PM PDT

Reviews 1 left to complete

Comments Assignment

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PROMPT

1. Select a open-source project of your own choosing that is of interest to you.
2. Find the source code of this project.
3. Select any one file (which can be found and reviewed via URL).
4. Provide the project's name, the purpose of the file, and the link.

Project's Name:

Arrays Implementation Practice

Purpose:

Implement a dynamic array in C++ as practice for coding course.

Link:

https://github.com/shree1999/Data-Structures-and-Algorithms/blob/master/Arrays-Implementation/arrays/main.cpp

RUBRIC

Is the source file online and easily accessible?

- 0 pts
  No
- 15 pts
  Yes

PROMPT

For the same file, does it follow a code style standard? If it does not, point out three examples why it does not. If it does have a standard, is it formal standard? If so, name it. If the standard is not formal, what elements are present that make you think there is a standard?

It follows the following code standards:

- Comments at top of file - Outline purpose and key functionality of each method
- Bubble naming convention (e.g. totalNumbers) - Facilitate readability of categories of naming (e.g. variables and methods)
- Open braces in line, closed braces own line - Consistent structure to blocks of code, which improves readability

RUBRIC

Correctly identifies if it follows a standard or not.

If there is no standard followed, are there three examples given accurate and the examples show that no standard appears to be in use?

If there is a formal standard is identified, is it clear the code follows it?

If it does have a standard but it is not formal, are the examples given accurate and show that a standard is being followed?

- 0 pts
  No
- 1 pt
  Yes

PROMPT

For the same file, what could be improved? If nothing, explain three elements of the code style you agree with.

This file could be improved by clarifying the specific example that is being used for practice. This would facilitate understanding more precisely of what the code does for a new user. Additionally, comments should elaborate "why" certain code was used, not just "what" it is doing.

RUBRIC

Code style improvement (or agreement with code style used) discussion is present

- 0 pts
  No
- 1 pt
  Yes

Code style improvement (or agreement with code style used) discussion is clear

- 0 pts
  No
- 1 pt
  Yes

Code style improvement (or agreement with code style used) discussion is reasonable

- 0 pts
  No
- 1 pt
  Yes

Code style improvement (or agreement with code style used) discussion is well-written

- 0 pts
  No
- 1 pt
  Yes

PROMPT

Is the document well-documented? Justify your answer.

Yes, there are comments at the top of the file that outline the purpose and key functionality of each method. Additionally, there are comments that explain some of the code by line.

RUBRIC

Commenting discussion is present

- 0 pts
  No
- 1 pt
  Yes

Commenting discussion is clear

- 0 pts
  No
- 1 pt
  Yes

Commenting discussion is reasonable

- 0 pts
  No
- 1 pt
  Yes

Commenting discussion is well-written

- 0 pts
  No
- 1 pt
  Yes

PROMPT

Do the comments follow a common format, both in content and placement?

Yes, there are comments at the top of the page and comments after each line that start with a lowercase letter and explain what the code is doing.

RUBRIC

Commenting format discussion is present

- 0 pts
  No
- 1 pt
  Yes

Commenting format discussion is clear

- 0 pts
  No
- 1 pt
  Yes

Commenting format discussion is reasonable

- 0 pts
  No
- 1 pt
  Yes

Commenting format discussion is well-written

- 0 pts
  No
- 1 pt
  Yes

PROMPT

Is the code self-documenting? Identify two locations where it does this well, and explain why it is good self-documentation.

The best comments are (1) the explanation of each method at the top of the file and (2) the comment at Line 46 "// in this function we replace the number which is already present in that index." These comments document "what" each method does, but could be improved by explaining "why" this method is being used.

RUBRIC

Example #1: Is it a good example of self-documentation?

- 0 pts
  No
- 1 pt
  Yes

Example #1: Good self-documentation discussion is present

- 0 pts
  No
- 1 pt
  Yes

Example #1: Good self-documentation discussion is clear

- 0 pts
  No
- 1 pt
  Yes

Example #1: Good self-documentation discussion is reasonable

- 0 pts
  No
- 1 pt
  Yes

Example #1: Good self-documentation discussion is well-written

- 0 pts
  No
- 1 pt
  Yes

Example #2: Is it a good example of self-documentation?

- 0 pts
  No
- 1 pt
  Yes

Example #2: Good self-documentation discussion is present

- 0 pts
  No
- 1 pt
  Yes

Example #2: Good self-documentation discussion is clear

- 0 pts No
- 1 pt Yes

Example #2: Good self-documentation discussion is reasonable

- 0 pts No
- 1 pt Yes

Example #2: Good self-documentation discussion is well-written

- 0 pts No
- 1 pt Yes

PROMPT

Is the code not self-documenting? Identify two locations where it does this poorly, and explain why it is bad self-documentation.

(1) The comment at the top of the file describing the overall functionality could be improved to explain exactly the example that is being executed. (2) The comment at Line 19 "//creating array pointer" is not useful because it is clear from the code itself "what" is being done. It would be more useful to explain "why / how" this variable will be used.

RUBRIC

Example #1: Is it a bad example of self-documentation?

- 0 pts No
- 1 pt Yes

Example #1: Bad self-documentation discussion is present

- 0 pts No
- 1 pt Yes

Example #1: Bad self-documentation discussion is clear

- 0 pts No
- 1 pt Yes

Example #1: Bad self-documentation discussion is reasonable

- 0 pts No
- 1 pt Yes

Example #1: Bad self-documentation discussion is well-written

- 0 pts No
- 1 pt Yes

Example #2: Is it a bad example of self-documentation?

- 0 pts No
- 1 pt Yes

Example #2: Bad self-documentation discussion is present

- 0 pts No
- 1 pt Yes

Example #2: Bad self-documentation discussion is clear

- 0 pts No
- 1 pt Yes

Example #2: Bad self-documentation discussion is reasonable

- 0 pts No
- 1 pt Yes

Example #2: Bad self-documentation discussion is well-written

- 0 pts No
- 1 pt Yes

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Comments

Comments left for the learner are visible only to that learner and the person who left the comment.

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