Code Review Scoring

Minimum Requirements

Your submission will score 0 points if it does not meet the following requirements.

- The submitted file must consist of a single file.
- The submitted file must be a PDF document.
- The submitted file must be named **P2 Code Review.pdf**.
- The submitted file must contain your team name and number on the first page.
- The submitted file must be original work completed solely by students on the submitting team.
- The submitted file CANNOT be a duplicate of the code review for other teams at your school or within your organization!

Scoring Breakdown

Introduction Section

1. Submission Requirements	Does not meet the minimum submission requirements. 0 points	The submitted document meets all minimum requirements and uses standard punctuation and grammar. 2 points
2. Introduction Section	No title. 0 points	Your document begins with a clearly labeled Introduction. 2 points
3. This introduction briefly states the overall purpose of the code being reviewed.	No text. 0 points	Overall purpose stated. 2 points
4. The introduction identifies who wrote the code and who performed the review.	No one is identified. 0 points	Identifies who wrote the code and who performed the review. 2 points
5. The section includes text comparing this drivetrain to another drivetrain design.	No date. 0 points	States the date of the review. 2 points

Best Practices Checklist

6. Best Practices Checklist	No title. 0 points	Your document contains a clearly labeled Best Practices Checklist. 2points
7. Checklist verifies the reviewed code uses functions to organize code.	Not included. 0 points	Included. 2 points

8. Checklist verifies the reviewed code includes comments documenting each function's purpose.	Not included. 0 points	Included. 2 points
9. Checklist verifies the reviewed code includes comments documenting each function's arguments and return values.	Not included. 0 points	Included. 2 points
10. Checklist verifies variable names in the reviewed code are descriptive and convey their use in the program.	Not included. 0 points	Included. 2 points
11. Checklist verifies the reviewed code generally avoids the use of unnamed numeric constants other than 0, 1, or 2.	Not included. 0 points	Included. 2 points
12. Checklist verifies the reviewed code is appropriately formatted to show flow of control.	Not included. 0 points	Included. 2 points
13. Checklist verifies comments do not contain blocks of old code that is no longer in use.	Not included. 0 points	Included. 2 points
14. Brief discussion of any checklist criteria that the reviewed code doesn't meet. If code meets all requirements, discussion about items to recheck and why.	Not included. 0 points	Included. 6 points

Code Analysis Section - Reliability

15. Code Analysis Section - Reliability	No title. 0 points	Code Analysis Section includes a section labeled Reliability. 2 points
16. This subsection includes a discussion of error detection and recovery logic in the reviewed code.	No text. 0 points	Discussion of error detection and recovery logic in the reviewed code. 9 points
17. This subsection includes a discussion of how the reliability of this code be improved.	No text. 0 points	Discussion of how the reliability of this code be improved. 9 points

Code Analysis Section - Maintainability

18. Code Analysis Section - Maintainability	No title. 0 points	Code Analysis Section includes a section labeled Maintainability. 2 points

19. This subsection discusses whether the reviewed code is easy to understand, modify, and reuse.	No text. 0 points	Discusses whether the reviewed code is easy to understand, modify, and reuse. 9 points
20. This subsection includes suggestions for how the maintainability of this code could be improved.	No text. 0 points	Includes suggestions for how the maintainability of this code be improved. 9 points

Code Analysis Section - Effectiveness

21. Code Analysis Section - Effectiveness	No title. 0 points	Code Analysis Section includes a section labeled Effectiveness. 2 points
22. This subsection discusses whether the code effectively and correctly performs its assigned task.	No text. 0 points	Discusses whether the code effectively and correctly performs its assigned task. 9 points
23. This subsection includes suggestions for how the effectiveness of this code could be improved.	No text. 0 points	Includes suggestions for how the effectiveness of this code be improved. 9 points
24. Your document includes an excerpt from the code being reviewed to support your analysis in at least one of the General Code Analysis Sections.	No text. 0 points	Includes an excerpt from the code being reviewed. 4 points
25. Your document includes example source code or pseudocode showing how your suggestion for improvement could be carried out in at least one of the General Code Analysis Sections.	No text. 0 points	Includes example source code or pseudocode. 4 points