


Code Review Process

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 Code reviews are methodical assessments of code designed to identify bugs, increase code quality, and help developers learn the source code.

Things To Consider

- Are there any obvious logic errors in the code?
- Looking at the requirements, are all cases fully implemented?
- Are the new automated tests sufficient for the new code? Do existing automated tests need to be rewritten to account for changes in the code?
- Does the new code conform to existing style guidelines?

Code Review Checklist

Category	Item	Check
1. Feature Requirement	1.1 Expected feature or functionality has been completed.	 / 
	1.2 No poorly implemented functions.	 / 
	1.3 Exceptions are appropriately handled.	 / 
2. Readability	2.1 The code is organised in its structure.	 / 
	2.2 The purpose of each block/function is clear and easy to understand.	 / 
	2.3 Appropriate comments are present in the code.	 / 
3. Maintainability	3.1 The code is easy to test and debug.	 / 
	3.2 Compatability and extendability are considered.	 / 
	3.3 Features or functionalities don't rely on deprecated libraries or functions.	 / 
4. Security Vulnerabilities	4.1 The code doesn't use tools or libraries with known security issues.	 / 
	4.2 User data is appropriately processed and stored if involved.	 / 
	4.3 No obvious vulnerabilities or known security problems.	 / 
5. Speed and performance	5.1 The code is efficient and applicable.	 / 
	5.2 No chunks of duplicated code.	 / 
	5.3 The feature or functionality will not impact the overall performance.	 / 
6. Code Documentation	6.1 Accurate and concise git commit descriptions.	 / 
	6.2 A brief explanation or description for the pull request is present.	 / 
	6.3 Documentation or user manual is prepared if necessary.	 / 
7. Coding Standards	7.1 Language naming conventions (e.g. variables, functions, comments) are followed.	 / 
	7.2 Follows the appropriate code layout.	 / 
	7.3 Code is checked with formatting tools for consistency.	 / 