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2-1 Journal:

What Makes a Productive Code Review?

A code review is a systematic examination of source code(s) by developers or a team member,

To ensure the quality, identifying bugs, improve maintainability, and or promote the best coding practices.

A Code Review is a safe way to get a separate set of eyes to look for any errors within your body of work.

Code review is considered a very important practice for Computer Science Professionals for several reasons. Bug detection and Quality Assurance, where code review helps identify and fix bugs, errors, and any potential security vulnerabilities early on in the development process, contributes to a higher-quality and a more reliable software product. Knowledge Sharing. Through the process of code review, team members share knowledge, inside and different prospectives on the code in question. This collaborative approach helps to foster a culture of learning and continuous improvement within the team.

A code review typically happens during the developmental process, after a developer has completed a set of changes and is ready to integrate them into that main codebase. The exact timing process can very based on the development workflow and the version control system being used. For code review the best practices are crucial for ensuring effective and efficient collaboration within a development team, some of the best practices are to set a clear objective, keep reviews small and focused and more importantly automate wherever possible. Using automated tools for static code analysis to catch common issues, such as style violations, potential bugs, and security vulnerabilities, helps to free up reviewers for more complex aspects.

* Optional: Are there any practices that may be currently uncommon that you believe would make code reviews more effective?

After reading more on code review, yes there are some less common practices that have to potential of being more effective such as but not limited to Rotating of Reviewers, Anonymous Code Review, the use of Metrics and Analytics, a Continuous Feedback Loop and Incorporated code review of sprint planning.