What Makes a Productive Code Review?

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**Code Review Practices and Approach**

Code review is a structured process where peers evaluate a developer’s work to ensure quality, security, and maintainability before integration into the main codebase. It is essential for computer science professionals as it not only reduces errors and security vulnerabilities but also improves code readability and fosters collaboration (SmartBear, n.d.; Cornell College, 2018). According to best practices, utilizing a standardized checklist, maintaining respectful feedback, and conducting reviews before merging code are critical elements. These practices address logic errors, enforce standards, and cultivate a supportive environment. Code reviews should ideally occur prior to major merges, leveraging collaborative feedback to maintain project quality and minimize costly post release fixes (Cornell College, 2018).

For my screencast, I chose ScreenPal for its simplicity and cross-platform compatibility. My code review will be organized by functionality, readability, and adherence to standards, drawing on my experiences developing and testing full stack projects. Outlining these sections and referencing a checklist will ensure the review is focused, constructive, and evidence based, meeting both academic and professional expectations for rigor and clarity.

**References**

Cornell College. (2018, July 10). Example 1 - Research paper rubric. Cornell College. <https://www.cornellcollege.edu/library/faculty/focusing-on-assignments/tools-for-assessment/research-paper-rubric.shtml>

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Southern New Hampshire University. (n.d.). CS499 code review checklist. <https://snhu-media.snhu.edu/files/course_repository/undergraduate/cs/cs499/cs499_code_review_checklist.pdf>