2-1 Journal

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CS-499: Computer Science Capstone

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June 2nd, 2025

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Part 1: Code Review **Fundamentals**

What is code review? Code review is when programmers check each other's work to find mistakes, make the code better, make sure it follows the rules, and help team members learn from each other.

Why is it important for computer science professionals**?** Looking at code together helps teams spot problems quickly, keep their work consistent, make future changes easier, teach each other new skills, and avoid creating messy code that's hard to fix later.

What are some code review best practices? Good ways to review code include checking small pieces at a time, making sure the code is easy to read with good names and organization, confirming tests exist, looking for security problems, and keeping the same style throughout. The best time to review is when a feature is done but before adding it to the main project, since fixing mistakes early saves time and money.

Part 2: WeightTracker App Review Preparation

What software have you chosen to use to record your code review?

I will use OBS Studio to record my screen and audio while conducting the code review, as it provides reliable recording capabilities for both code demonstration and verbal commentary.

Describe your approach to creating an outline/script for your code review**:**

My review will follow three categories from the rubric:

1. **Functionality:** Verify core features, testing input validation and edge cases, and checking for proper error handling.

2. **Readability:** Evaluate naming conventions and code structure, check for consistent formatting and indentation, and assess adequacy of comments and documentation.

3. **Efficiency:** Analyze algorithm complexity, review database query optimization, and check for memory leaks or resource waste.

I will use the code review checklist to systematically evaluate each category, ensuring comprehensive coverage while providing constructive feedback.