**2-1 JOURNAL**

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**PART ONE:**

* What is code review?

Code review is an opportunity for developers to examine each other’s code to identify potential issues and improve overall quality of the shared code. It provides a chance for developers to learn new emerging technologies and share knowledge with one another. This process fosters collaboration between team members and creates an ongoing platform for exchanging ideas and offering feedback.

* Why is it an important practice for computer science professionals?

Code review is important for numerous reasons. It often improves software quality through feedback from multiple developers and can reduce the likelihood of potential security vulnerabilities.

* What are some code review best practices that you read about in the resources that are crucial to include in a code review? Include when a code review should occur in the development process with a rationale as to why?

After reviewing this week’s reading and resources, several best practices stood out as crucial for inclusion in a code review. One key practice is promoting a positive culture and maintaining a non-judgmental environment during reviews. The focus should always be on improving the code, not critiquing the developer, which creates a safe space for open collaboration and helps foster a strong team relationship. Another key practice is using a checklist. This can ensure consistency in the review process and helps catch common issues that might otherwise be missed. Additionally, it is essential to conduct code reviews after the code is written but before it is deployed. This will allow potential issues to be identified early on, making them easier to address. It also promotes continuous learning and improvement without slowing down the development process. These practices are vital for maintaining high code quality while encouraging a collaborative and constructive team environment.

**PART TWO:**

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

The software I have decided to use for recording is Cam Studio. Although I feel nervous because this will be my first time recording myself, I chose Cam Studio. due to its simplicity and ease of use. It allows me to capture the screen along with audio, which will help me walk through the code and explain the review process step-by-step. I plan to practice a few times before recording to gain confidence and ensure I cover all the necessary points clearly. The video was delayed because I needed to purchase an external microphone

* Describe your approach to creating an outline or writing a script for your code review for each of the three categories that you will be reviewing based on the rubric as well as the code review checklist.

I will begin with an introduction to the project and outline the main goals of my SHOP HEALTHY! App. I plan to highlight the app’s key features including its focus on helping users make informed decisions about their grocery shopping. Next, I will showcase the first screen- the login screen- along with the enhancements I’ve implemented. Following this, I will explain the original code and discuss the specific errors I encountered during the development. Lastly, I will test the database queries to ensure they function properly and examine how the app handles search functionality to verify that it returns the desired results.