CS-499 Module Two

Journal 2.1

Productive Code Review

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Part 1

* What is code review?

Code review is an examination of computer and application source code which is performed

systematically and frequently. Code review is performed to locate any errors in the code such as

bugs and code incompatibilities. Code should be reviewed by the developer or any other

developer in the team. When the code is written initially, it is more like a draft of paper and

needs feedback and correction and the good practice is to have peers review the code or as team

so if the software developer missed anything other developers could find them.

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

We are all humans, and we make mistakes and sometimes we are not able to see the mistake in

the code we wrote and when someone else reviews the code, it could be easier to locate the error

and fix it and also increases productivity and team collaboration. Another advantage of it is when

the team reviews a code and get familiar with it, they can work on the code if the initial

developer is not available and that eliminates a delay in the development.

* What are some code review best practices that you read in the resources that are crucial to

include in code review? Include when a code review should occur in development process

with a rationale as to why.

The best practice for code review is to review it at the end of each sprint (2 weeks) before

merging the code to the main branch and unit test it for any bugs and issues and this way all

the problems with the code will be resolved before it merges to the main code.

Part 2

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

ScreenPal is a very useful and simple screen recording which I have used before and also Mac

has its own screen recording as well and I have been using both of them for my code review and

take screen shots and video recording of the code snippets.

* 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.

My approach for my code review is break the code down to small snippets of codes and review

and test each part separately to ensure the design, application and database are connecting and

working properly and continue that process throughout the code review and development.