Alex Casanova

CS-499 Module 2 – Code Reviews

* + What is code review?
* Code review is the process of working with another person (or team of people) to find issues with code, determine any non-functional or non-standard code, and apply a coding team’s best practices to code that has been developed.
  + Why is it an important practice for computer science professionals?
* Code reviews are important to computer science professionals for several important reasons. The ability to have others look over your code leaves room for a team to have important input on the work of others, and vice versa. Having a strong team focused on collaboration can ensure that code is of a high quality, with fewer errors, improved efficiency, and cohesion with the work of other team members.
  + When and how does it occur?
* In my research, I ran into a few conflicting answers to this question. Some people claim that code reviews should be done when blacks of code are completed and ready to be submitted. Others – those I would tend to agree with more – say that code reviews should be done more frequently – even after the development of a few lines of code. Better projects tend to result from more frequent, more relevant code reviews – the development of a small module, for example, may need a single code review upon completion, but a larger segment of code could entail multiple code reviews to ensure that it all runs smoothly, performs efficiently, and meets the team’s design standards.
* Code reviews are often submitted into a pool of code reviews, where dedicated reviewers look over the code and provide feedback, with recommended changes and comments regarding the code and its effects.
  + What are some code review best practices that you would advocate?
* I would advocate for the communication and team collaboration that code reviews provide. Personally, I would advocate for more frequent code reviews, especially for new developers or large teams. This ensures that the quality of the work stays consistent throughout the development process.