

Greg Cernera

Professor Arias

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Agile development refers to a set of methods used in the process of software development which allows for the ability to promptly plan, create, and alter the program. Both the Waterfall method and the Agile method share similar principles and steps in order to reach project completion; however, each method executes the development process in a different way. Instead of the Waterfall method, which performs each task one by one in a linear fashion, the Agile method groups multiple tasks together and performs “sprints” across a specified time duration. This type of approach requires continuous evaluation from both the customer and project team in order to stay on track. This may, however, be troublesome if the customer is not available to be completely involved in the process, which is why the Waterfall method only involves the customer during the beginning and ending phases. That being said, the Waterfall method only continues to the next step once the present phase has been entirely completed. If the team mistakenly forgot a requirement for an already passed step and are forced to return to that previous phase, backtracking will cost both time and money that the company may not be able to compensate. Agile development counteracts this possibility by having the team work in short bursts and by performing frequent evaluations to ensure total completion. Although, this method is also prone to many mistakes considering deadlines have to continually be met in order for the project’s advancement. Each type of development has its advantages and disadvantages, but the

programmers developing the project must use their judgement to decide the most efficient system that will produce the best end result.