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Lab 1 – Agile Development vs Waterfall Method

When it comes to the software development process, the most popular method known as the waterfall method has been used in businesses for many years. No matter the size of the project, using this method always requires the same steps to achieve success. This method is followed is the steps of gathering the requirements and specifications, doing system analysis, system design, implementation, testing, deployment, and finally, maintenance. While the waterfall method provides the Computer Science and the IT community with a simple process in the software development process, it isn't practical for all parties. The issue is that each step in the process can't be looked at my multiple individuals, making it a very solo practice. This is not optimal for the best ideas to be brought out for a program to be made.

Agile development on the other hand surpasses the waterfall method in many ways. With agile programming, a group of developers are able to solve problems and other tasks. A group of programmers can collaborate to create even better ideas, unlike a single programmer using the waterfall method. Another great factor of agile development is that the customers can use the program early on to give feedback before the final version is released to the public. Each development type both have their pros and cons, but it really depends on the company, and the kind of project being worked on.