

Nick Petrilli

Professor Arias

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Short Essay - Agile Development

There are multiple different software development processes, most common being the Waterfall Model. The Waterfall Model breaks the software development life cycle into a structured step by step process. First, it is essential to figure out the requirements for the assignment, followed by a system analysis. System design is also needed prior to the implementation step. This is the actual programming part, where the program is written. Next comes testing to make sure there are no problems with the program and that it runs successfully. Finally, the last steps are production and maintenance to ensure the program continuously works.

On the other hand, Agile Development isn't as structured. It relies on a more adaptive viewpoint, where changes are constantly being made throughout multiple teams working collaboratively. Team members aren't given concrete tasks because everyone works together and they continuously make changes on the fly. Compared to the Waterfall Method, Agile Development essentially combines each step for a quicker and a more efficient process. Finally, Agile Development allows customers to be heard more than the Waterfall Model because they work more closely with an adaptive environment rather than one strict plan which has the possibility to fulfill the customer's needs.