

Compare Waterfall Model to Agile Development

Waterfall Model and Agile Development are both development steps for software developer to develop their program. Waterfall Model is considered traditional and classical steps for software development. It proceeds from one step to another to develop the program. Agile Development is newly introduced in the beginning of the century. It gathered people that have connection to the program to be development and discuss the process of development. Both software development steps have unique approach to develop the software. These unique make each compatible in different environment.

Waterfall Model require software developer to follow linear and sequential method of development. Each stage was complete to move on to the next stage. Starting with defining requirement, analysis the requirement, design the program, implement the program, test the program, and move the program into production. This form of development allows the entire development process to follow strict schedule of the company and bring program in production on time. However, it is hard for reflect and revision in the middle of the entire process. If the process is now in testing and team want to add more to the requirement, then the team will start from the beginning, requirement stage, to reconstruct the development process of the program.

In the other hand, Agile Development allows revision and reflection on the entire development process since it gather people from development and business to involved and inform of the process. This form of development enables the company to be design for better suit of the market's need. However, just as communication and collaboration enable better result vise versus, it can cause the delay and degrade of the result. Since agile development gather idea and comment from people of development, business and another field to formalize the program, there could a time where people of different field are not having the same understand. For example,

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people from the business may not understand the technical difficulty to give additional role of the program.

Waterfall Model and Agile Development are useful development process for software based on the position of the development team and of the company. If the company want to development process of the software to follow the schedule, then Waterfall Model would be suitable. But if the company want to have as better sale in the market as possible, then Agile Development would be better choice. Choose the development process depending on the goal of the company.