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## Software Development Process

In software engineering, a software development process is the process of dividing software development work into distinct phases to improve design, product management, and project management. It is also known as a software development life cycle. It is a multistage process that includes requirement specification, analysis, design, implementation, testing, deployment, and maintenance.

At any stage of the software development life cycle it may be necessary to go back to a previous stage to correct errors or deal with other issues that might prevent it from functioning properly. This is also referred to the Waterfall Model. Planning and designing is more straightforward and planned out and progress can be much more easily measured. Customers can be more dissatisfied with their products however, since customers can't see the product until it is almost finished.

The Agile Model is an iterative, team-based approach to development. This approach emphasizes the rapid delivery of an application in complete functional components. There is a more customer friendly approach to the agile model, where customers have frequent and early opportunities to see the work being delivered, and to make decisions and changes throughout the development project. A stronger sense of ownership is also present among customers since they get to work directly with the project team. Agile works best when members of the development team are completely

dedicated to the project and problems can occur from customers not very involved or interested.