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### Waterfall vs Agile

The Waterfall model was the first Software Development Cycle to be created. Therefore, it is not able to interact as quickly as those more recently developed. The steps have to follow a linear pattern, going from one phase to the next. The subsequent step cannot happen if the previous phase has not been completed. This makes it difficult to go back and change things in earlier steps. This model is very simple to use because it is a step by step cycle. It works best for smaller projects for this reason as well. In the Agile development code can be tested as it is being created and therefore happens continuously. It does not rely on the previous step being completed to continue with the following phases and therefore can make changes on the spot. This ideology is more recently developed and therefore results in a better code. It is also better because a majority of focus in this process is on organization and collaboration. Everyone is working on projects and crossing over to figure out issues with other team members. Although the Agile work is organized the process in itself is less organized as the Waterfall because it is not broken down into specific sections.