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Lab 1

When learning about the life cycle development of a program, there are many methodologies that developers use to go about when making software. One of the most popular of the methods is the Waterfall method. The Waterfall methodology is a linear planning of the development life cycle, wherein the requirements are laid out by the requester, built upon by the developers, tested for quality assurance and general feedback, deployed, and then is maintained after release. The Agile methodology is a cyclical planning of the development life cycle wherein the software is defined by the requirements, but is broken down into boxes of time known as "sprints", from there, the same idea as above is applied in smaller, iterative blocks to complete the program.

The methodologies differ in that Waterfall is linear and Agile is iterative. Waterfall is easier to do in a larger company setting, while Agile is better in smaller companies. Waterfall is better in more fixed environments and requirements, whereas Agile is more flexible to changes during development.