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When creating any type of software, countless steps go into the process. The key step in this is the development process. In short, software development is the developing, writing, and maintaining the actual code. The code is what makes the software a reality, but you can't make it run without following every precise step of the process. The cycle of doing so is called the Waterfall method. Alas, there is another more efficient strategy known as Agile Development.

In detail Agile Development is when a group of software developers break down the process of into a large application into smaller chunks. This way you can set up and test and repeat until you know it works so you can eventually progress. The progress all depends on the collaboration of the self-organizing multi purpose teams. For example, say a team of four including myself are creating software for a music app, we all know what is going on and where everyone in the group is at progress wise. Say I write a piece of code and there's a huge error that I completely brush over, my teammates can look back before we move on as a team and fix the code before it is too late. This prevents having to start over or going all the way back.

To put it differently we have the Waterfall Method. Where everyone works separately and does each step by themselves. You start at the top and go all the way down. First are the system requirements, then you analyze the code, design the appearance, implement everything, test and debug everything, deploy, and finally the maintenance. For example, say you are

working on test and debugging but you messed up on design, you must go all the way back. The good part about that though is that it is sequential, so you know exactly where you messed up.

To compare the two would not be too easy. Although they do have some obvious ones to point out. The Waterfall Method is sequential, and The Agile Method is collaborative. This means that the Waterfall method is not good at debugging but at organizing it excels. On the side of the spectrum, the Agile Method is good at debugging thanks to the fact the team is all for one instead of one for all. So, overall depending on what you need you can pick what can satisfy what you need the most. They are both strong when solving problems, but the key is knowing when to use what.