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Waterfall Model vs. Agile Development

Waterfall Model is when software development is separated into a sequence of pre-defined phases that are feasibility, planning, design, build, test, production and support. Agile development differs in that it follows a linear sequential approach while providing flexibility for changing project requirements. Both processes have pros and cons, but the key difference is that you're typically able to do more rigorous testing in Waterfall, but only at the beginning and end, so there isn't as much opportunity to implement recommendations from findings. In Agile development, you're able to test consistently, but you often have a much shorter timeline, so sometimes you need to reduce scope or alter traditional methodologies to adjust.