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Software Development Process

The agile model and the waterfall model are two forms of

development plans for code. The waterfall method is the more traditional

method in which each step of the development happens sequentially. This is

opposed to the agile method in which each step happens at the same time as

one another. The pros of the more traditional waterfall method are a more

straightforward development lifecycle, a more measured approach, work can

be completed for other projects while waiting for your stage in the new plan,

and software can be designed with full knowledge of the final scope and

usage of the finished product. On the other hand agile coding allows for

customers to make decisions and changes throughout the development

process, customer feels more involved in the process, agile allows for a basic

version of working software, which can be updated down the line, and

development is more user focused. The downsides however can be a bit

much for either type. With waterfall development it is more difficult to show

the customer what the final product will look like, as well as this final

product possibly dissatisfying the customer. Agile takes more time to implement over the waterfall method, only works well when all of the team members are dedicated to the project, the projects lack of definite goals can drag out the process and increase workloads, and overall is more difficult to implement in a larger or more corporate environment. Overall the tried-and-true waterfall method seems to be better for a larger company, while the agile method seems to be much better for a smaller development team or one that wants to be more customer-centric.