



# Waterfall vs. Agile

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# Waterfall

## PROS

- ❑ Clearly define Scope as the approach is well defined before starting of any process.
- ❑ Detail execution of the project for being completed before continuing to the next process.
- ❑ Flexible for small projects which provide high quality product considering completed.
- ❑ Predefined steps are followed which are validate already for the authentication and working model.

## CONS

- ❑ Rigid for the model as incapable dealing of uncertainty in both the requirements and the solution
- ❑ Not dynamic ( not frequently changes)  
Though, it can deal with change through a formal change-management process, the result is not effective and costly, and is not intended to deal with many small changes
- ❑ Lack in flexibility projects where the functionality can't be delivered in pieces
- ❑ Longer delivery time(as compared to agile)  
When the deliverable is offline software that can't be updated easily, it's important to try to deliver a fully developed project

# Agile

## PROS

- ❑ Fast & Flexible as it follows the iterative model or technique with each phase allowing forward and backward movement as necessary
- ❑ Embracing uncertainty as dealing with conditions of high uncertainty
- ❑ Cheaper and delivered quickly.
- ❑ Less Defective products because Focused on end user outcomes and end results

## CONS

- ❑ Less predictable results due to the uncertainty and unclear nature of many of the project characteristics
- ❑ Lack of Documentation as it requires Minimal documenting and measured against the availability
- ❑ Dynamic process (Changes requirements)
- ❑ Lack in Scope because the approach is Undefined before starting