



Waterfall vs. Agile

Waterfall Model

This is one of the traditional models also known as the prescriptive models which is used for small scale projects due to its predefined process. It is the first SDLC model. The documentation and the source code is defined at the very start of the meeting during the only customer interaction.

It is still used but not on a large scale and has less budget.

The SDLC has phases of 1) Planning 2) Design 3) Coding 4) Testing 5) Deployment 6) Maintenance

PROS

- ☐ Not going to the next until the previous step is performed.
- ☐ Less time consuming
- ☐ Not many interruptions from the customer
- ☐ Testing at each stage for validation and verification.
- ☐ Best for small scale projects

CONS

- ☐ Less flexibility
- ☐ No guarantee of upto the mark project
- ☐ Documentation occupies a lot of time
- ☐ Small changes in the project can cost a lot to the team
- ☐ No value of customer feedback until the end of the project

Agile Model

It is a process model which is an upgrade of Waterfall model. Its basic principle is to prioritize customer feedback and is comparatively flexible than Waterfall model . It follows an iterative and incremental procedure. It involves a large group of people helping in the software development process.

PROS

- ☐ Flexible
- ☐ Customer feedback in every phase
- ☐ Documentation changes in every process
- ☐ Less costly than Waterfall model
- ☐ Less development time

CONS

- ☐ Time consuming
- ☐ Involves large group of people
- ☐ Customer intervention is a lot which slows down the process.
- ☐ Creates confusion because of no proper documentation and consistent changes.

