Pros and cons of IT methodologies

Thank you for downloading! This checklist is an addition to the article **“Web development methodologies and approaches”**: here we will briefly tell you about the advantages and disadvantages of the most common methodologies that we described in the article.

Waterfall (“traditional”) methodology

Scope, time, and budget are fixed. Tasks are done one by one in a strict order.

- ✓ Simple and easy to understand and use;
- ✓ Works well for smaller projects where requirements are very well understood.

- ✗ Poor model for long and ongoing projects;
- ✗ High amounts of risk and uncertainty;
- ✗ The model doesn’t cater to requirements changing during the development cycle.

Lean IT approach

Lean central Idea is to give the consumer a higher benefit by using smaller resources.
Lean main goal - creating maximum customer value by eliminating waste.

- ✗ More of a philosophy than an applicable methodology.

Agile approach

This approach preaches no fixed scope or budget, and time is boxed into 2-weeks sprints (except for Kanban). Below we will remind you of essential Agile methodologies and describe their shared advantages and disadvantages.

Scrum methodology

Scrum realizes Agile principles in life: flexible scope and budget with time-limited sprints.

- Timeboxed iterations;
- Items must be broken down so they can be completed within 1 sprint;
- A Scrum board is being reset between sprints;
- The optimal Scrum team size is 3-9 members.

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Kanban methodology

Kanban is built on three ideas:

- Visualization of the workflow;
- Limiting the amount of the work in progress for the sake of efficiency;
- The tasks from the backlog go strictly one after another.

✓ An agile company is very flexible, quickly adapts to changes, iterates less while implementing faster, and can seize new opportunities as they appear;

✓ High level of interaction between project team members.

✗ The very high degree of customer involvement, while great for the project, may present problems for some customers who simply may not have the time or interest for this type of participation;

✗ Risk of endless product changes.

Have second thoughts about the methodology for your project?
Contact ADCI Solutions for a free consultation at **hello@adcillc.com.**