Agile Methodology Steps & Phases: Complete Explanation [2021]

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Manifesto for Agile Software Development

We are uncovering better ways of developing
software by doing it and helping others do it.
Through this work we have come to value:

Individuals and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

That is, while there is value in the items on
the right, we value the items on the left more.

process for new requirements and feasibility adjustments.

Waterfall Vs Rapid Application Development Models

Rapid application development (RAD) is a methodology that focuses on - as the name indicates - developing rapidly through frequent iterations and continuous feedback. As the demand for new software and features skyrockets in our modern tech era, RAD has become an increasingly popular development method in business globally.

Rapid application development (RAD) is a methodology that focuses on developing applications rapidly through frequent iterations and continuous feedback. As the increasingly competitive software market

7.0.1. Pros:

7.0.2. Cons:

8. We will take you through some of the add-on values that you can enjoy when using XP:

8.1. Communication

8.2. Simplicity:

8.3. Feedback

8.4. Motivation

8.4.1. Pros:

8.4.2. Cons:

9. Feature Driven Development:

9.0.1. Pros:

9.0.2. Cons:

10. Joint Application Development Methodology:

10.0.1. Pros:

10.0.2. Cons:

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1. Project Initiation

The first stage in the life cycle of agile software development. Often referred to as the inception or envision phase, this initial stage is about discussing the project vision and the ROI justification. This is a high-level feasibility discussion and does not delve into the specific details.

During this step, you should identify team members and determine the time and work resources are required to complete the project. Taking stock of resources is crucial to determining economic feasibility for project approval.
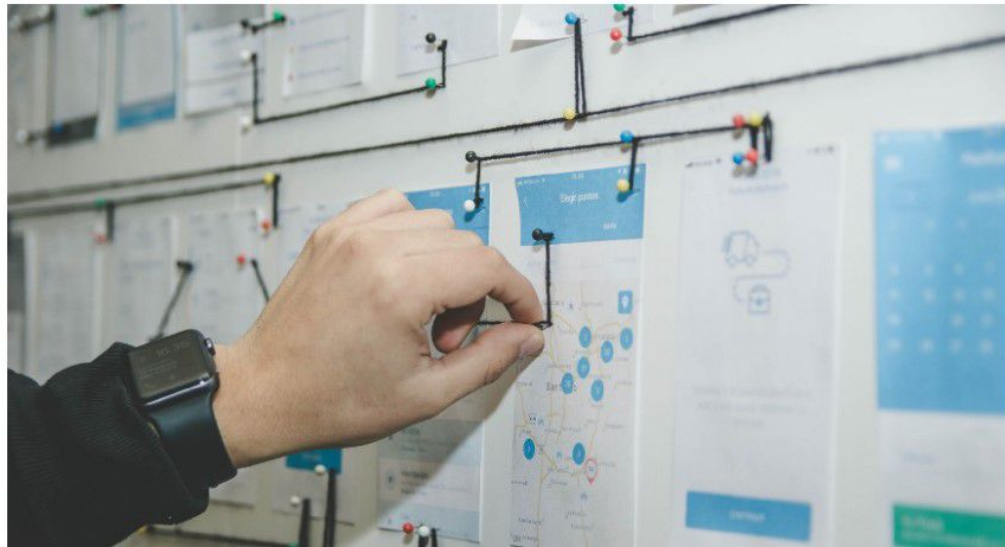
2. Planning

This speculative phase is when the Agile lifecycle really takes shape for the team. Release planning is where the team gets together with their sponsor or product owner and identifies exactly what they are looking for. They

5 Stages of the Agile System Development Life Cycle

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History of Agile Development

Before agile development was popular, the Waterfall method was the most popular one. The Waterfall methodology was prevalent before a few decades. But the generation of software developers in the late 90s was dissatisfied with this methodology. They wanted a more flexible approach.

The Waterfall approach is rigid, and the Agile methodology is flexible. In 2001, 17 software developers created the Agile Manifesto. They wanted to develop an alternative to heavyweight, document-driven software development processes. The four fundamental values of Agile development are as follows:

- You should prioritize people and their interactions over the tools and processes
- You should prioritize working software over detailed documentation
- You should prioritize collaboration of customers over the negotiation of contracts
- You should prioritize your responsiveness to change over your ability to stick to a

You might wonder, "What is Agile Methodology?". We'll explain that in detail in this guide. So, let's get started.

What is Agile Methodology – Explained

As the name suggests, the agile methodology focuses on releasing products often and adapting to changes. According to the Oxford Dictionary, the term 'agility' refers to the ability to move quickly or swiftly. Agile methodology has become quite popular in the last few years because of its effectiveness and result-oriented approach.

It's a project management philosophy that focuses on such software development that relies on feedback and incremental changes. How you understand the environment around you and what kind of uncertainties you face, these are essential parts of this approach.

Agile development focuses on the team rather than the product. The solutions in this approach depend on your team's collaboration and cross-functions. An agile team is a self-organizing one.

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