AGILE PRINCIPLES

AGILE PHILOSOPHY: SOFTWARE IS DYNAMIC

- These principles support the belief in Agile that software is dynamic. In other words, in Agile, software cannot be simply defined once and then created off that singular definition—it is constantly evolving.

WELCOME CHANGING REQUIREMENTS

- In concurrence with this philosophy, clients often change their minds about product functionality. This can happen even in the middle of development. In Agile software development, however, changing requirements should be welcomed and expected.

■ The ability to welcome changing requirements can make the difference between the success or failure of a project.

- Development teams should understand that although requirements are created with full intentions of following through, requirements also inevitably change.

- 12 Principles of Agile.

PRINCIPLE 01

Early and Continuous Delivery

Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.

PRINCIPLE 02

Working Prototypes as Progress

Working software is the primary measure of progress.

PRINCIPLE 03

Technical Excellence & Good Design

Continuous attention to technical excellence and good design enhances agility.

PRINCIPLE 04

Focus on Simplicity

Simplicity, the art of maximizing the amount of work not done, is essential.

PRINCIPLE 05

Self Organizing Teams

The best architectures, requirements, and designs emerge from teams.

PRINCIPLE 06

Encourage Face to Face Interaction

The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.

PRINCIPLE 07

Deliver Frequently

Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.

PRINCIPLE 08

Welcome Changing Requirements

Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.

PRINCIPLE 09

Sustainable Development

Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.

PRINCIPLE 10

Build Projects around Motivated People

Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.

PRINCIPLE 11

Daily Collaboration

Business people and developers must work together daily throughout the project.

PRINCIPLE 12

Reflect on Team Behaviour

At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.

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