Extreme Programming

Marie Reitzer Mélissa Untz Quentin Loeb Steve de Rose Mouhamadou Faye

Definition¹

Extreme Programming (XP) is an agile software development framework that aims to produce higher quality software, and higher quality of life for the development team. XP is the most specific of the agile frameworks regarding appropriate engineering practices for software development.

Definition¹

Extreme Programming (XP) is an agile software development framework that aims to produce higher quality software, and higher quality of life for the development team. XP is the most specific of the agile frameworks regarding appropriate engineering practices for software development.

Values²

XP is based on five core values:

Communication

Definition¹

Extreme Programming (XP) is an agile software development framework that aims to produce higher quality software, and higher quality of life for the development team. XP is the most specific of the agile frameworks regarding appropriate engineering practices for software development.

Values²

- Communication
- Simplicity

Definition¹

Extreme Programming (XP) is an agile software development framework that aims to produce higher quality software, and higher quality of life for the development team. XP is the most specific of the agile frameworks regarding appropriate engineering practices for software development.

Values²

- Communication
- Simplicity
- Feedback

Definition¹

Extreme Programming (XP) is an agile software development framework that aims to produce higher quality software, and higher quality of life for the development team. XP is the most specific of the agile frameworks regarding appropriate engineering practices for software development.

Values²

XP is based on five core values:

- Communication
- Simplicity
- Feedback

Courage

Definition¹

Extreme Programming (XP) is an agile software development framework that aims to produce higher quality software, and higher quality of life for the development team. XP is the most specific of the agile frameworks regarding appropriate engineering practices for software development.

Values²

- Communication
- Simplicity
- Feedback

- Courage
- Respect

Definition¹

Extreme Programming (XP) is an agile software development framework that aims to produce higher quality software, and higher quality of life for the development team. XP is the most specific of the agile frameworks regarding appropriate engineering practices for software development.

Values²

- Communication
- Simplicity
- Feedback

- Courage
- Respect

Extreme programming has 12 practices, grouped into four areas.³

Fine-scale Feedback

- Pair programming⁴
- Planning game
- Test-driven development
- Whole team

Extreme programming has 12 practices, grouped into four areas.³

Fine-scale Feedback

- Pair programming⁴
- Planning game
- Test-driven development
- Whole team

Continuous process

- Continuous integration
- Refactoring or design improvement⁴
- Small releases

Extreme programming has 12 practices, grouped into four areas.³

Fine-scale Feedback

- Pair programming⁴
- Planning game
- Test-driven development
- Whole team

Continuous process

- Continuous integration
- Refactoring or design improvement⁴
- Small releases

Shared understanding

- Coding standards
- Collective code ownership⁴
- Simple design⁴
- System metaphor

Extreme programming has 12 practices, grouped into four areas.³

Fine-scale Feedback

- Pair programming⁴
- Planning game
- Test-driven development
- Whole team

Continuous process

- Continuous integration
- Refactoring or design improvement⁴
- Small releases

Shared understanding

- Coding standards
- Collective code ownership⁴
- Simple design⁴
- System metaphor

Programmer welfare

Sustainable pace

Conditions for success

T

he XP methodology requires

- A client fully invested in the project
- Small teams (pairs)
- Infrastructure with open space³
- Easily and quickly accessible feedback
- Acceptance of change by all teams

- Alliance A. What is Extreme Programming (XP)? URL: https://www.agilealliance.org/glossary/xp/.
- 2. Galiana D. Qu'est-ce que la méthode eXtreme Programming ? URL: https://www.planzone.fr/blog/quest-ce-que-la-methodologie-extreme-programming.
- Wikipedia. Extreme programming. URL: https://en.wikipedia.org/wiki/Extreme_programming.
- 4. Copeland L. Extreme Programming. https://www.computerworld.com/article/2585634/extreme-programming.html.