

Extreme Programming

Presented By

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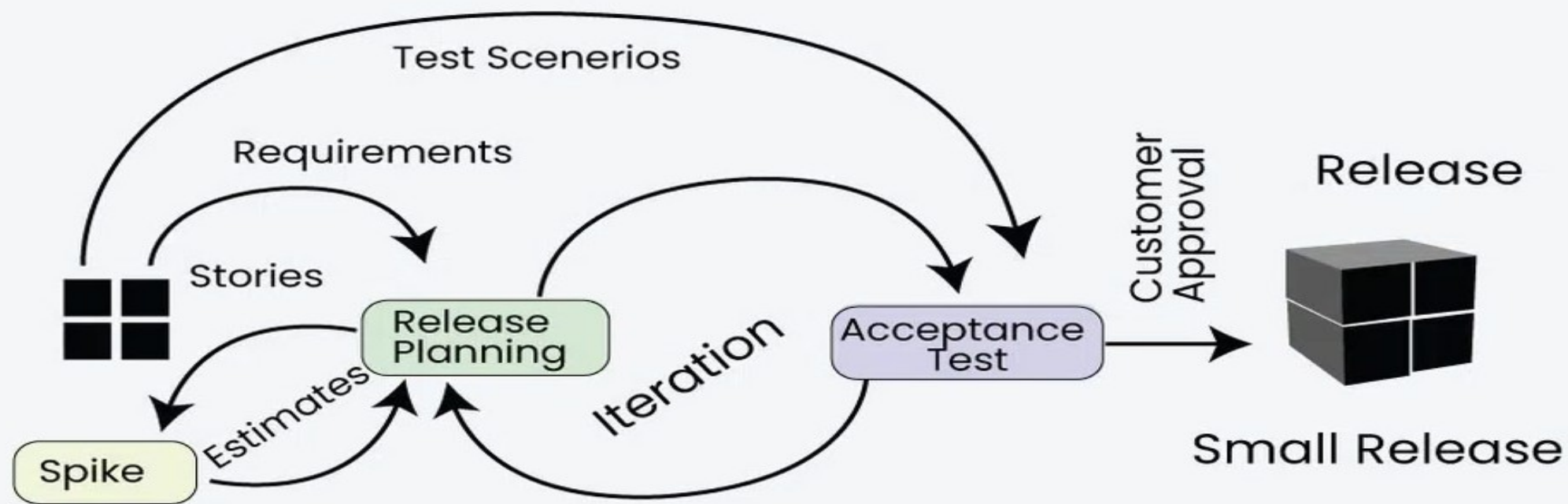
Overview

- What is Extreme Programming (XP)
- Objectives
- Core Principle of XP
- Practices in XP
- Application of XP
- Life Cycle of XP
- Values of XP
- Advantages of XP
- Challenges of XP
- Conclusion

What is Extreme Programming(XP)

Extreme Programming (XP) is a software development methodology that emphasizes flexibility, adaptability, and high-quality software. It is developed by Kent Beck in the 1990s. Its purpose is designed to improve software quality and responsiveness to changing customer requirements.

What is Extreme Programming? (XP)



Objectives

- Improve Software Quality
- Increase Developer Productivity
- Adapt to Changing Requirements
- Enhance Customer Satisfaction
- Reduce Project Risks
- Simplify Software Development

Core Principles of XP

- Focus on simplicity: Only build what is necessary.
- Communication: Encourage constant communication among team members.
- Feedback: Frequent feedback loops.
- Courage: Take risks and adapt quickly.
- Respect: Trust and respect each team member's role.

Practices in Extreme Programming

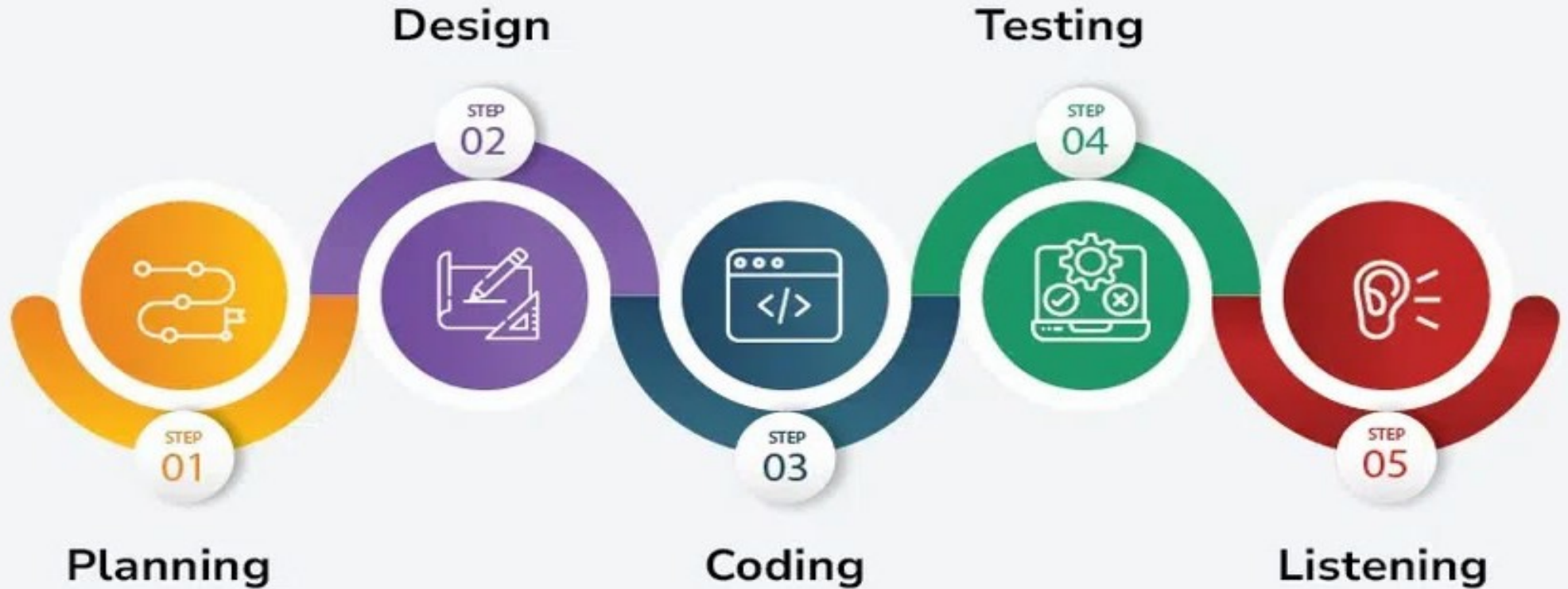
Good Practices
in Extreme
Programming



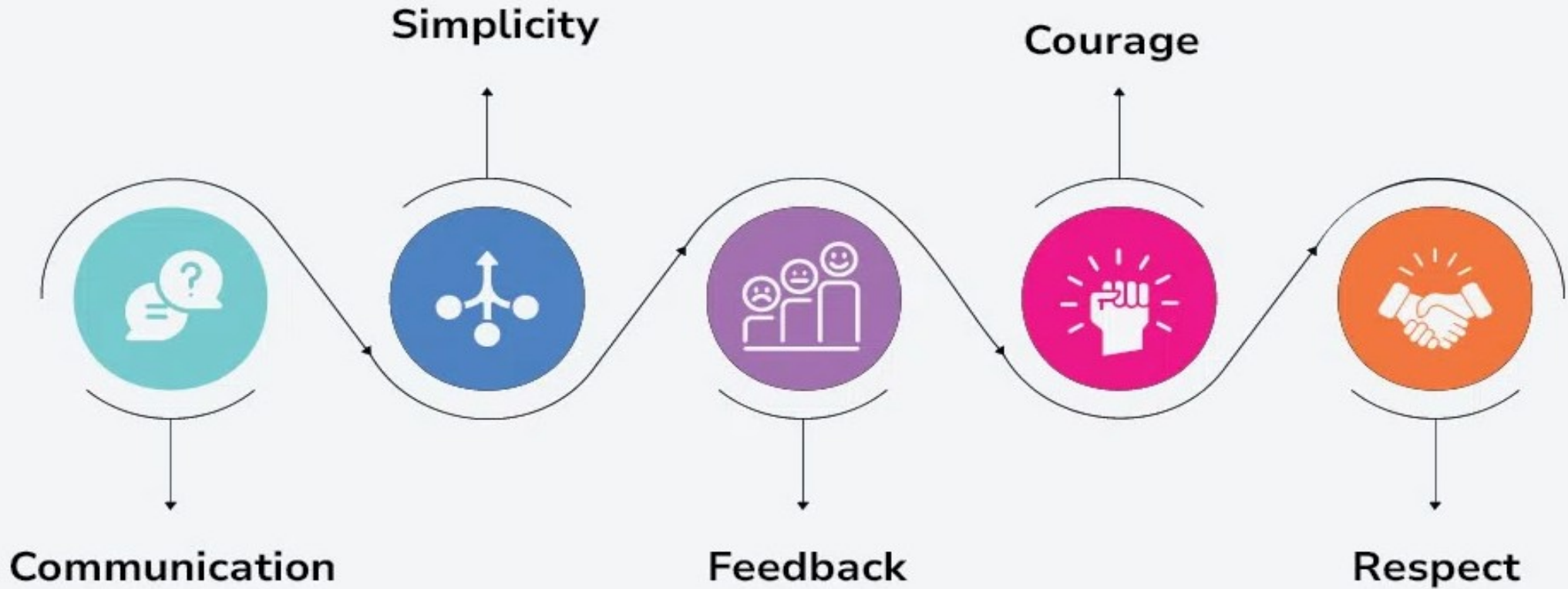
Application of Extreme Programming(XP)

- Small projects
- Web development projects
- Projects involving new technology or Research projects
- Collaborative projects
- Projects where quality is a high priority

Life Cycle of Extreme Programming(XP)



Values of Extreme Programming (XP)



Advantages of Extreme Programming (XP)

- Slipped schedules
- Misunderstanding the business and/or domain
- Canceled projects
- Staff turnover
- Costs incurred in changes
- Business changes etc.

Challenges of Extreme Programming

- High Discipline Required: Requires a committed team.
- Time-Consuming: Practices like pair programming can be time-intensive.
- Not Suitable for Large Teams: Works best in small to medium-sized teams.

Conclusion

Extreme Programming (XP) is a Software Development Methodology, using techniques like continuous testing, frequent releases, and pair programming, in which two programmers collaborate on the same code.

XP supports user involvement throughout the development process while prioritizing simplicity and communication.

Q & A
Thank You