Introduction to Agile Software Development

UFR

de mathématique et d'informatique

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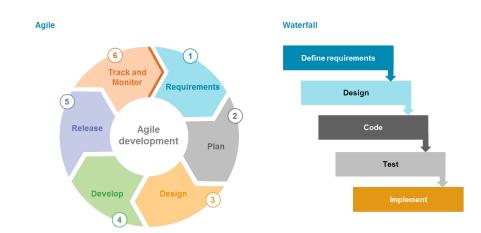
What is Agile methodology?

The Agile methodology is a project management approach that involves:

- · breaking the project into phases
- · emphasizes continuous collaboration and improvement

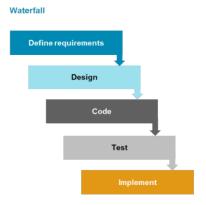
Teams follow a cycle of:

- · planning
- executing
- evaluating

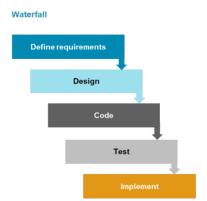


Waterfall Define requirements Design Code Test

 Emphasizes detailed upfront planning

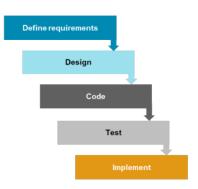


- Emphasizes detailed upfront planning
- Progress is measured by meeting project milestones



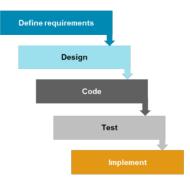
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- Progress is measured by meeting project milestones
- Rigidity can lead to difficulties in responding to changes

Waterfall

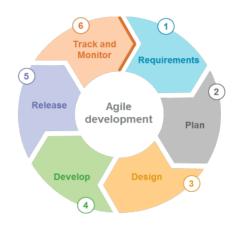


- Emphasizes detailed upfront planning
- Progress is measured by meeting project milestones
- Rigidity can lead to difficulties in responding to changes
- Suitable for projects with well-defined requirements

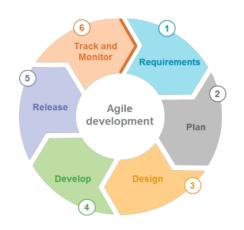




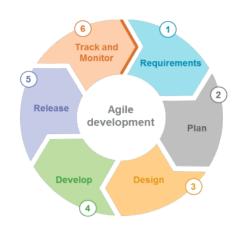




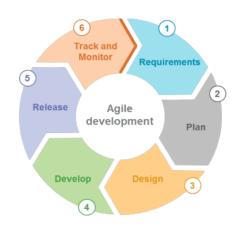
Iterative and incremental development



- Iterative and incremental development
- Customer feedback is incorporated throughout the process



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- Embraces flexibility and customer collaboration



- Iterative and incremental development
- Customer feedback is incorporated throughout the process
- Embraces flexibility and customer collaboration
- Adaptive approach to changing requirements

General Agile guideline

Marie

The Agile Timeline

Antoine

Pros and Cons of the Agile Method

Antoine

Conclusion

Remain flexible, stay agile!

References

- https://www.youtube.com/watch?v=goJu-DFGJoo
- https://www.youtube.com/watch?v=1evfn3qTYGM
- https://project-management.com/agile-project-management/