



# Agile Principles & Manifesto

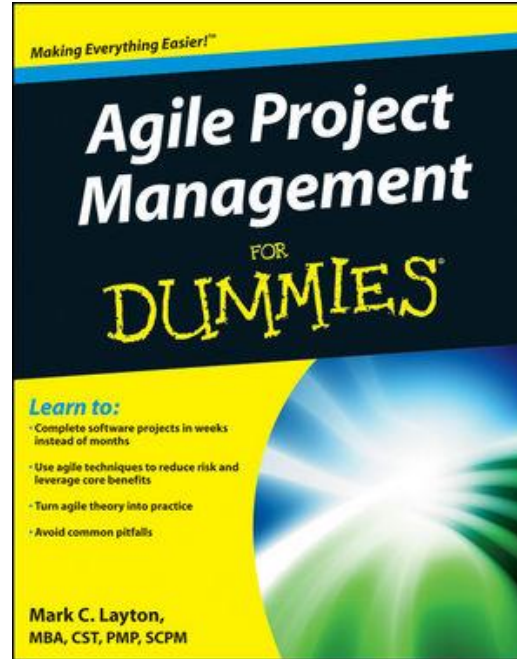
- Prof K G Krishna

# Text/Reference Books

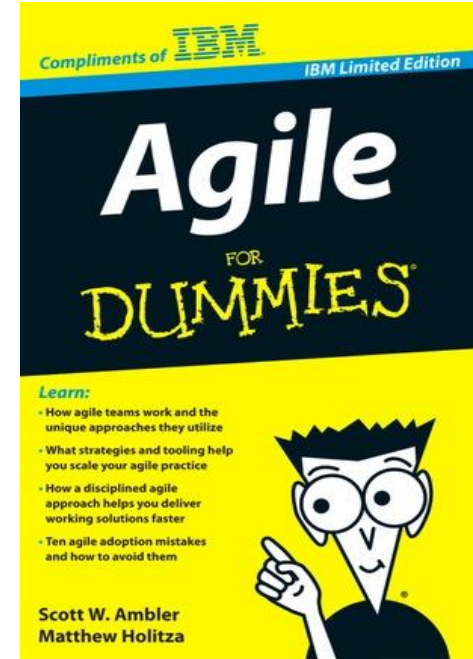
T1



T2



Compliments  
of IBM

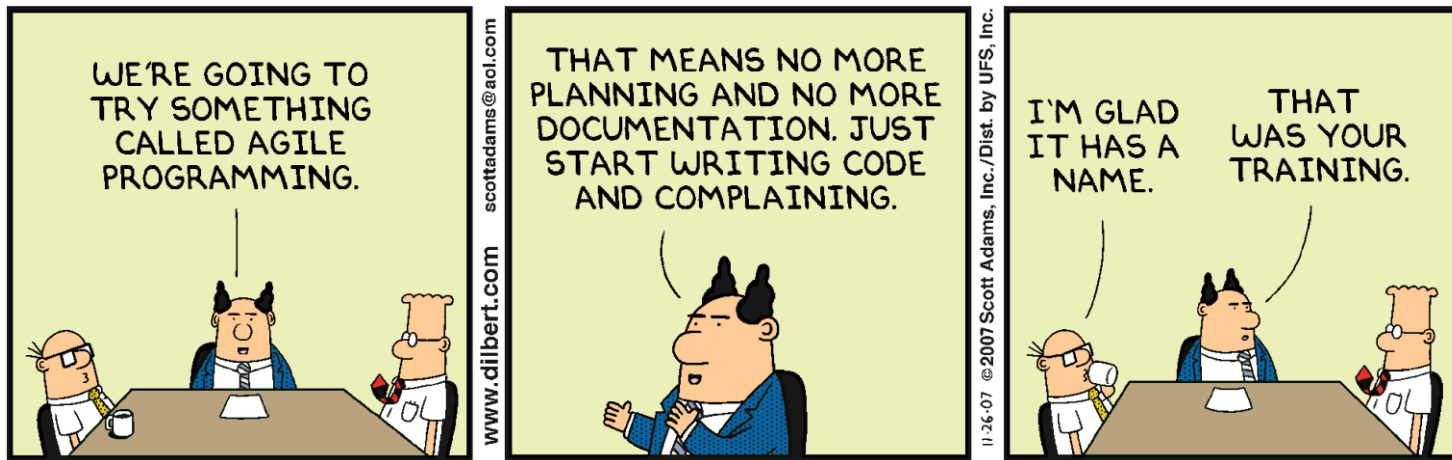


→ As this field is evolutionary, the student is advised to stay tuned to the current and emerging practices by referring to their own organization's documentation as well as Net sources

# Topics

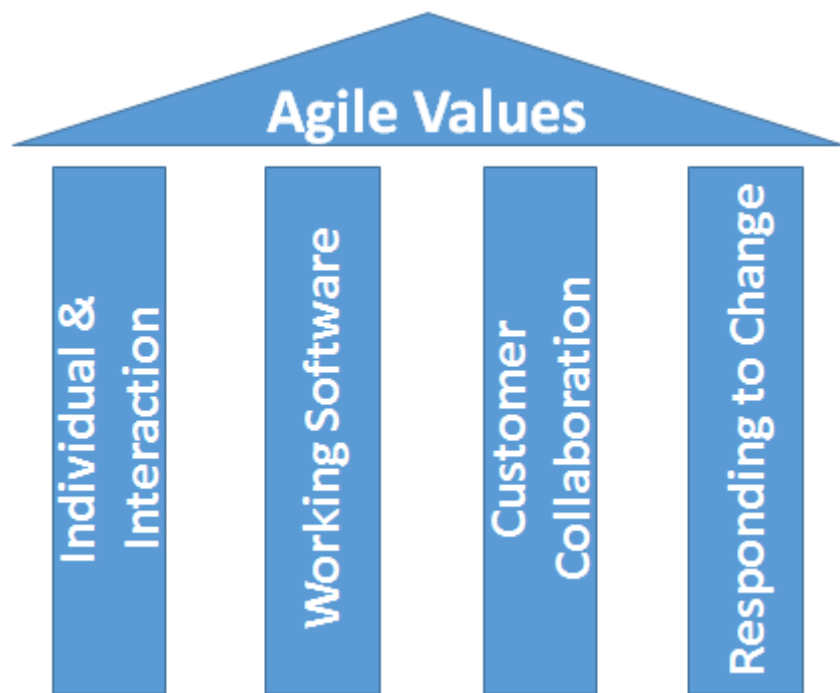
## Principles of Agile

- Agile Values
- Agile Manifesto



# Agile Core Values...

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# Agile Principles...

## Principles behind the Agile Manifesto

*We follow these principles:*

- ✓ Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.
- ✓ Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.
- ✓ Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.
- ✓ Business people and developers must work together daily throughout the project.
- ✓ Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.
- ✓ The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.
- ✓ Working software is the primary measure of progress.
- ✓ Agile processes promote sustainable development.
- ✓ The sponsors, developers, and users should be able to maintain a constant pace indefinitely.
- ✓ Continuous attention to technical excellence and good design enhances agility.
- ✓ Simplicity--the art of maximizing the amount of work not done--is essential.
- ✓ The best architectures, requirements, and designs emerge from self-organizing teams.
- ✓ At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.

# Agile Manifesto (2001)



Source courtesy: [agilemanifesto.org](http://agilemanifesto.org)

# Agile Manifesto (adapted to times)



Source: <https://www.ncsc.gov.uk/blog-post/securing-agile-delivery-collaboration-crucial>

## 9 Principles *Agile Project Manager*

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1. Deliver something useful to the client; check what they value
2. Cultivate committed stakeholders
3. Employ a leadership-collaboration style
4. Build competent, collaborative teams
5. Enable team decision making
6. Use short time-boxed iterations to quickly deliver features
7. Encourage adaptability
8. Champion technical excellence
9. Focus on delivery activities, not process-compliance activities

### The Agile Project Manager

- Devolve of both control and planning to the entire team, not the manager
- The manager does not create WBS, schedule, estimates or tell people what to do
- The manager does not define and assign detailed team roles and responsibilities



# The Human Touch in Agile

*“People are more important than any process. Good people with a good process will outperform good people with no process every time” – Grady Booch*

- Programming is an intense Human Activity - People matter much more than Machines
- Individuals and Interactions over Processes and Tools
- Sustainable Pace – Programmers to maintain a healthy social and family life
- Respect Diversity of Individual Contributions – Skill Transfer through *Pair Programming*
- Preference for Direct Face-to-Face Communication over Virtual Meetings or Remote Teams

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# Agile Principles & Manifesto - Summary

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- Programming as if People Matter Most
- Customer is at the Centre – The Key Stakeholder
- Adapt to the Reality: Requirements keep Changing till the End of the Project
- Continuous and Incremental Delivery with a series of Working Product Releases
- Involve All Stakeholders Early-on
- Focus on Delivery over Process-compliance
- Close-knit Communication and Collaboration among Teams
- Agile Project Manager is the Leader and Motivator – Not the Boss of Manager of People
- Collective and Collaborative Decision-making
- ...

# Thank You

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