

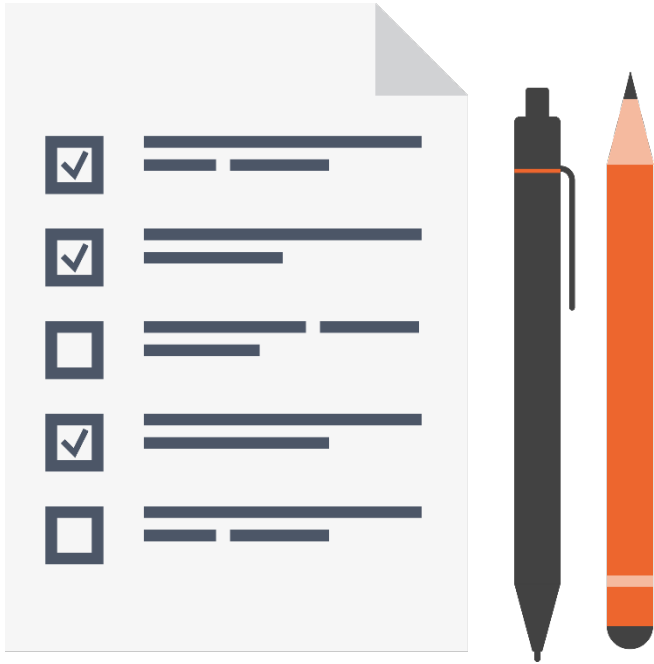
What Is Agile All About?



Stephen Haunts

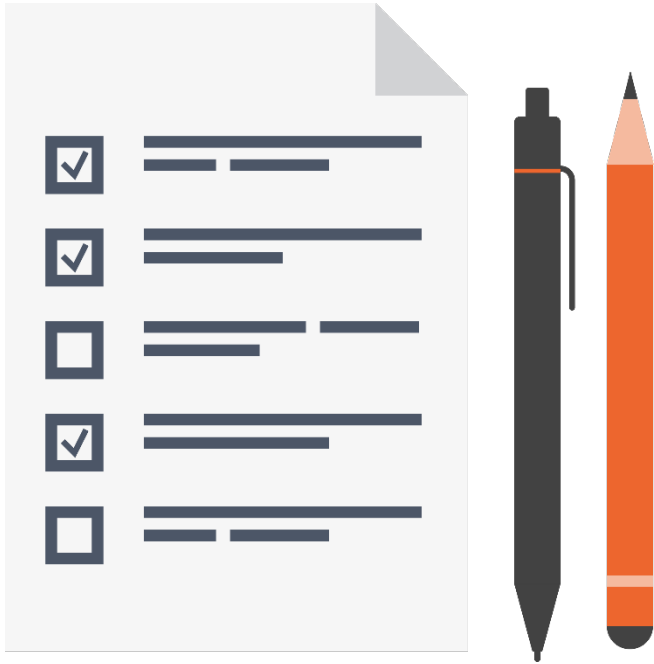
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Overview



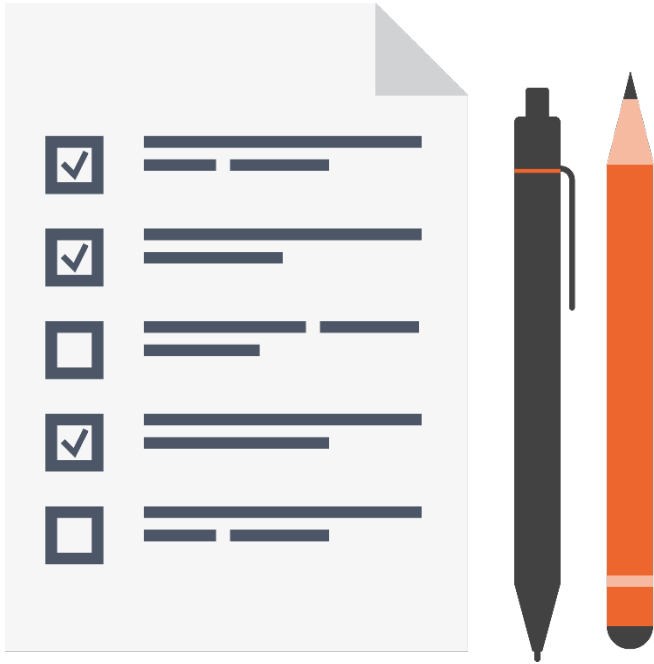
- What is agile?

Overview



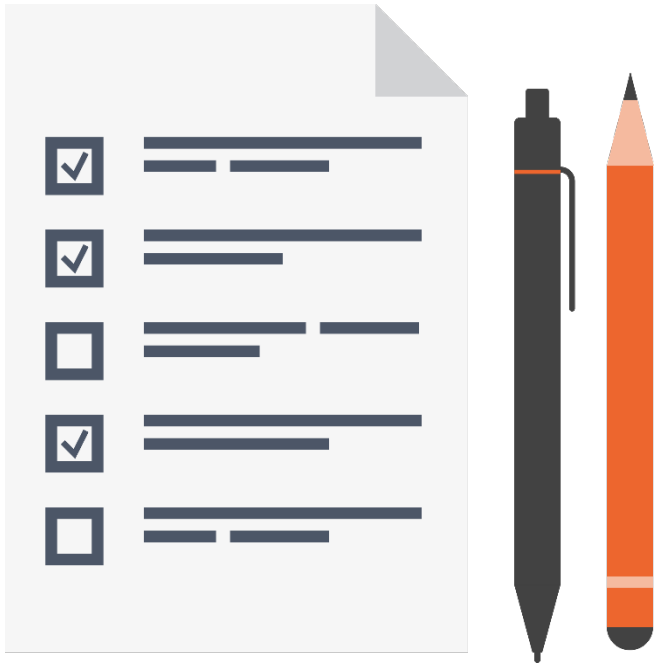
- What is agile?
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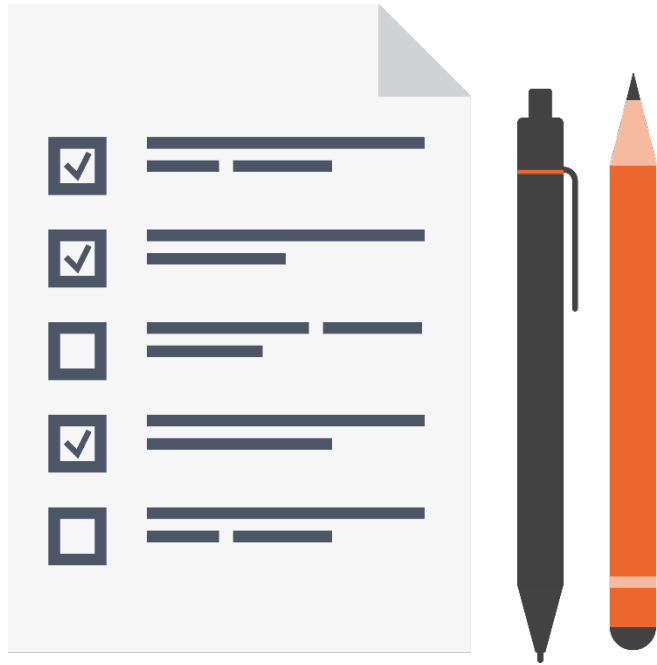
- What is agile?
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- Agile manifesto

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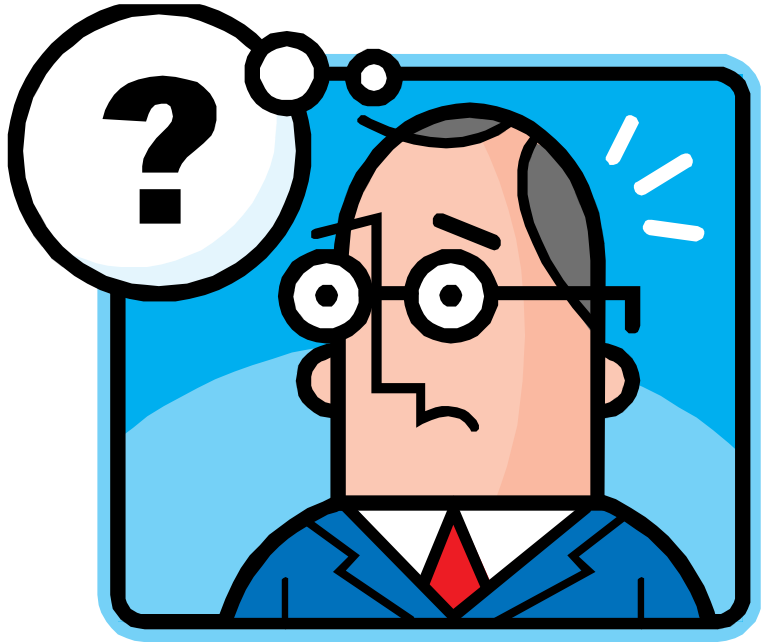
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- Agile manifesto
- Agile methodologies overview

Overview



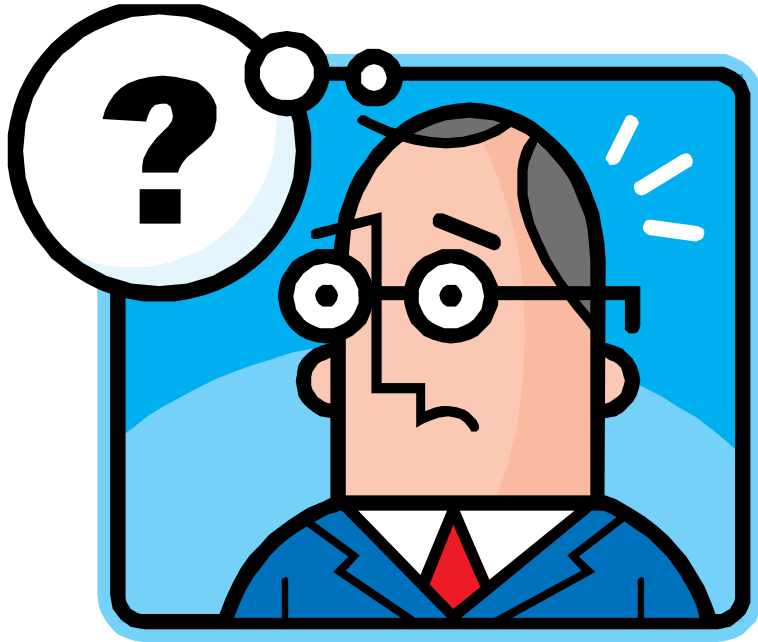
- What is agile?
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- Agile methodologies overview
- Roles in an agile team

What Is Agile?



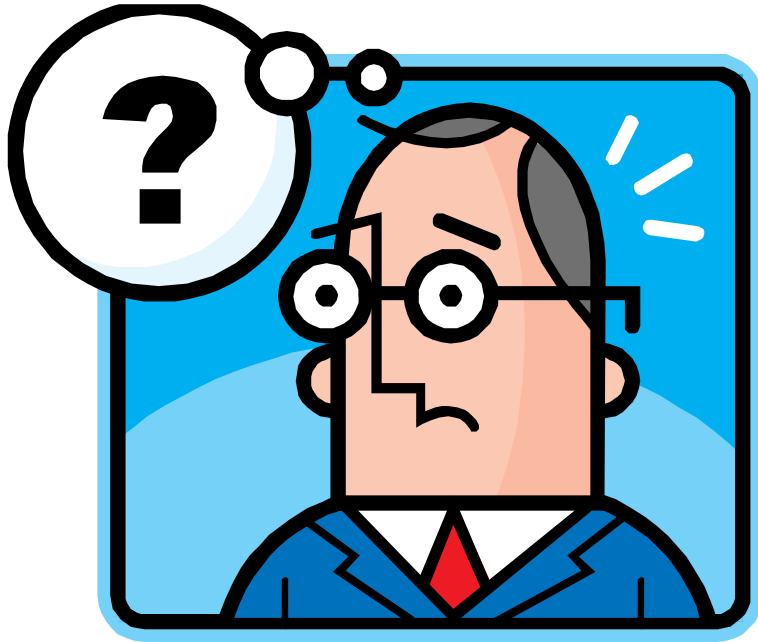
- Software evolves over time

What Is Agile?



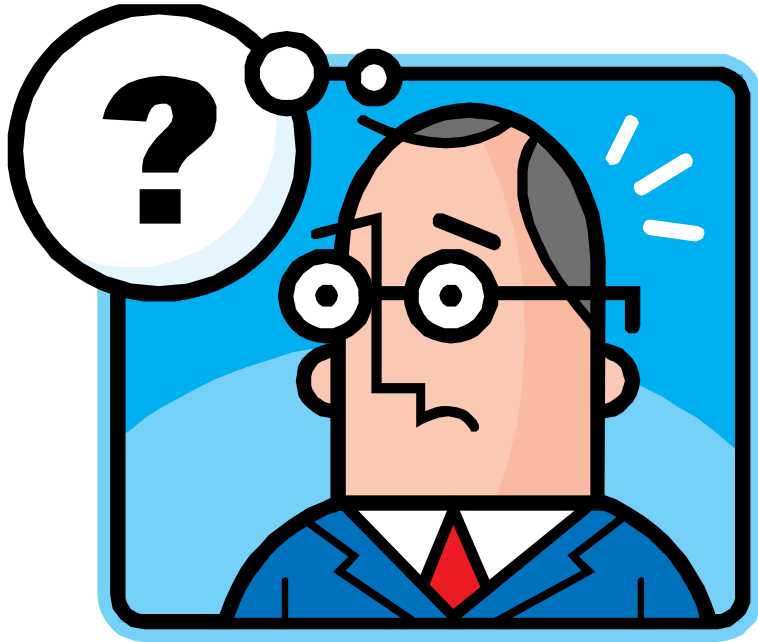
- Software evolves over time
- Adaptive planning, evolutionary development, early delivery

What Is Agile?



- Software evolves over time
- Adaptive planning, evolutionary development, early delivery
- Deliver value to the business sooner

What Is Agile?



- Software evolves over time
- Adaptive planning, evolutionary development, early delivery
- Deliver value to the business sooner
- Flexible response to change.

What Is Agile?

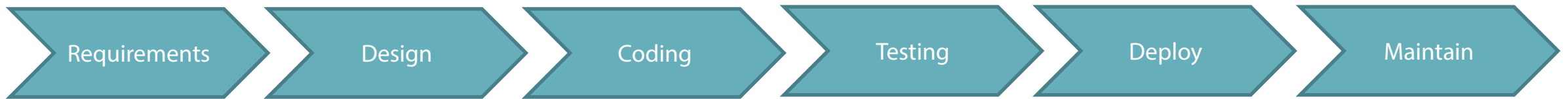


Project Timeline

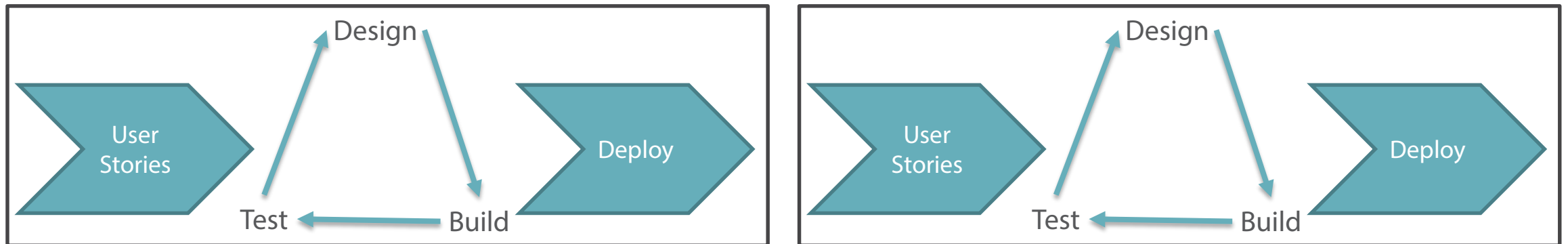


What Is Agile?

Traditional Waterfall



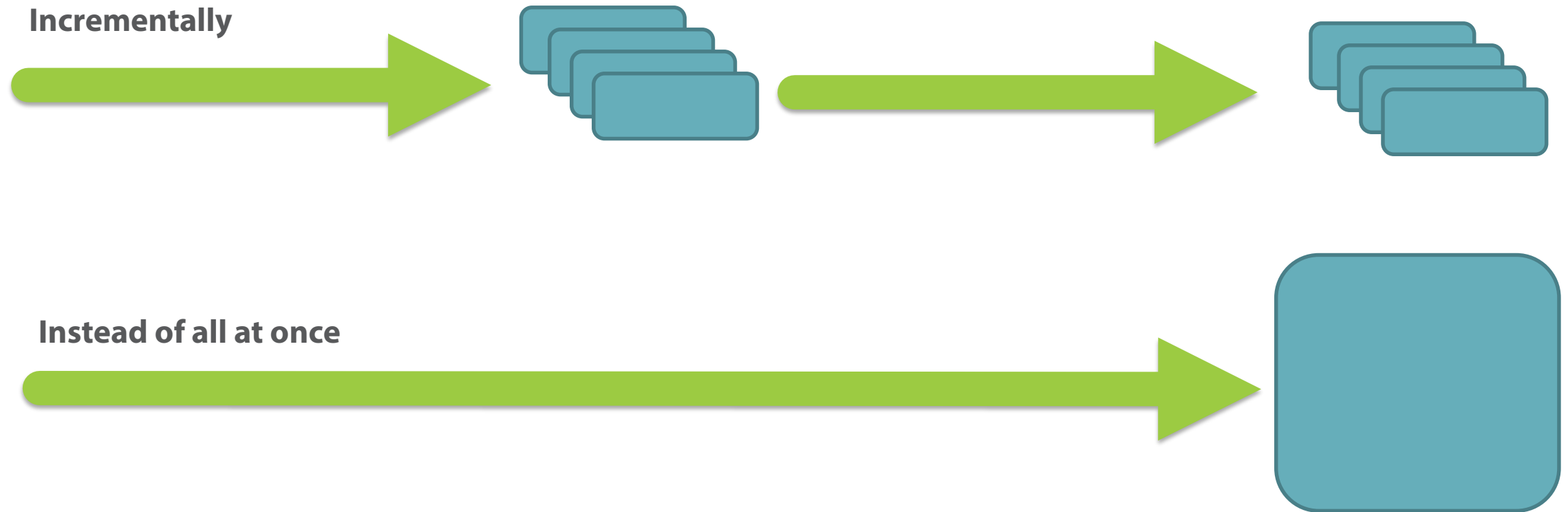
Agile Development



Project Timeline



What Is Agile?



History of Agile



- Many attempts to improve software development

History of Agile



- Many attempts to improve software development
- Small group of thought leaders met to met to discuss software process.

History of Agile



- Many attempts to improve software development
- Small group of thought leaders met to met to discuss software process.
- The devised “agile software development”

Agile Manifesto



- 17 people met to find common ground about software development

Agile Manifesto



- 17 people met to find common ground about software development
- They formed “The Agile Alliance” and signed the agile manifesto.
<http://agilemanifesto.org/>

Agile Manifesto

We are uncovering better ways of developing software by doing it and helping others do it.

Through this work we have come to value:

Individuals and interactions over processes and tools

Working software over comprehensive documentation

Customer collaboration over contract negotiation

Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

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Individuals and interactions over
processes and tools

<http://agilemanifesto.org/>






Working software over comprehensive
documentation

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Customer collaboration over contract
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<http://agilemanifesto.org/>





Responding to change over following a plan

<http://agilemanifesto.org/>



Agile Manifesto Principles



- 12 principles behind the agile manifesto

Agile Manifesto Principles



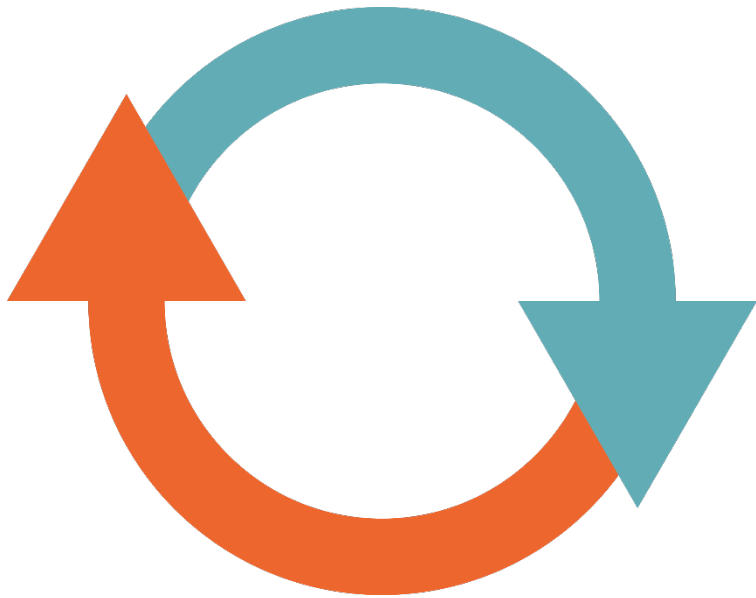
- 12 principles behind the agile manifesto
- Split into 3 groups

Agile Manifesto Principles



- 12 principles behind the agile manifesto
- Split into 3 groups
 - Regular delivery of software

Agile Manifesto Principles



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Agile Manifesto Principles



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 - Team communication
 - Excellence in design

Regular Delivery of Software


Agile Principles

“

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

<http://agilemanifesto.org/>

”



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

<http://agilemanifesto.org/>






Working software is the primary
measure of progress.

<http://agilemanifesto.org/>





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

<http://agilemanifesto.org/>



Team Communication


Agile Principles



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

<http://agilemanifesto.org/>





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

<http://agilemanifesto.org/>






The best architectures, requirements,
and designs emerge from self-
organizing teams.

<http://agilemanifesto.org/>






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

<http://agilemanifesto.org/>






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

<http://agilemanifesto.org/>



Excellence in Design

Agile Principles



Continuous attention to technical excellence and good design enhances agility.

<http://agilemanifesto.org/>




“

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

<http://agilemanifesto.org/>

”



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

<http://agilemanifesto.org/>



Agile Methodologies Overview



- Scrum

Agile Methodologies Overview



- Scrum
- Extreme programming (XP)

Agile Methodologies Overview



- Scrum
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- Crystal

Agile Methodologies Overview



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Agile Methodologies Overview



- Scrum
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- Dynamic systems development method (DSDM)
- Feature driven design (FDD)

Agile Methodologies Overview



- Lean software development

Agile Methodologies Overview



- Lean software development
- Kanban

Roles in an Agile Team



- Agile teams are software development teams first and members of a department second.

Roles in an Agile Team



- Agile teams are software development teams first and members of a department second.
- A team should have a product or domain expert.

Roles in an Agile Team



- Agile teams are software development teams first and members of a department second
- A team should have a product or domain expert
- A team has members with cross functional skills

Roles in an Agile Team



- A team should have some form of leadership role

Roles in an Agile Team



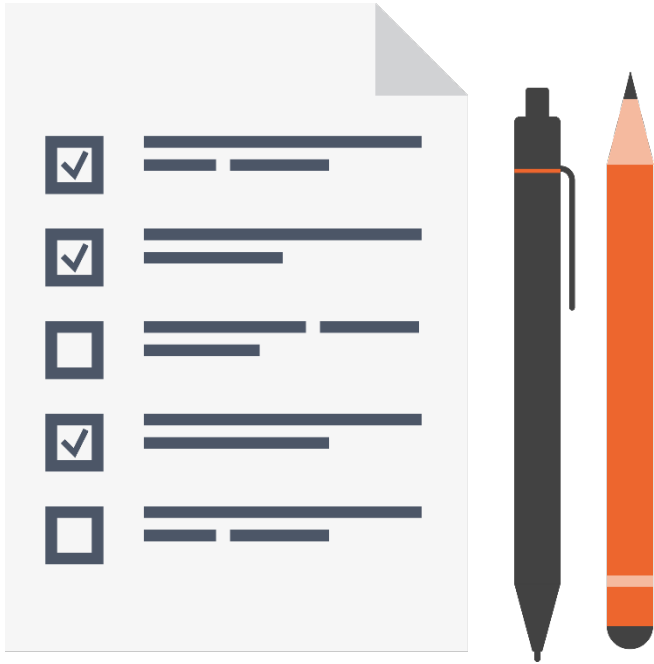
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- A team can benefit from an agile coach or mentor

Roles in an Agile Team



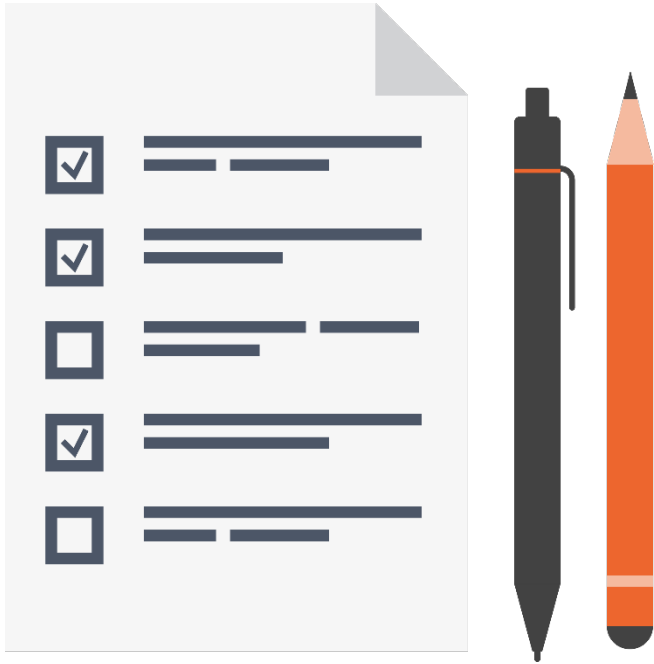
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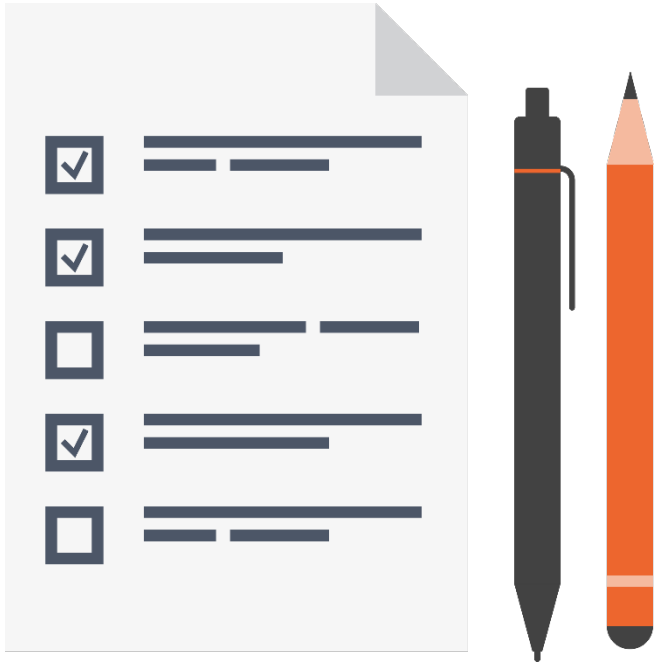
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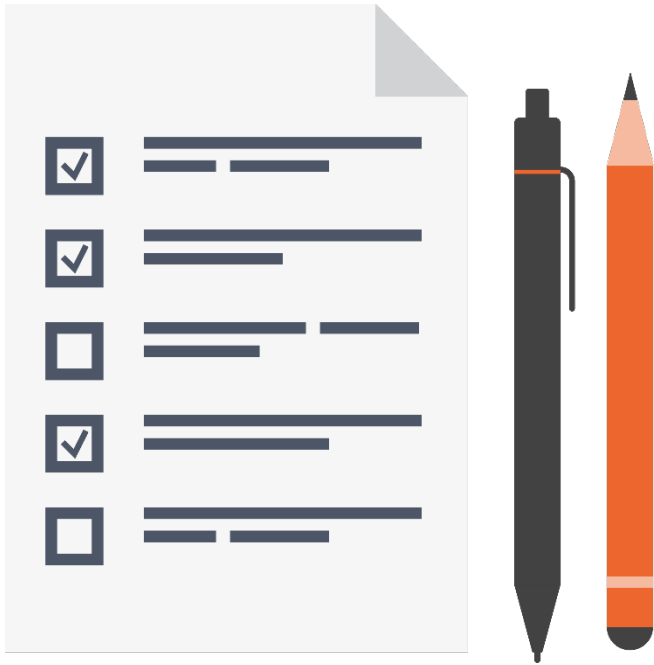
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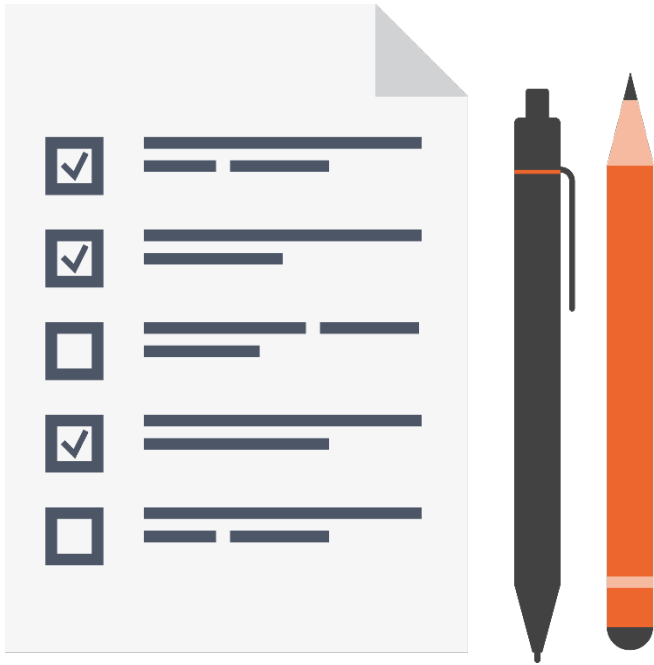
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