

The logo for Seilevel, featuring the word "Seilevel" in a bold, white, sans-serif font. The text is contained within a blue rectangular box that has a wavy bottom edge. The background of the slide is a gradient of blue, transitioning from a lighter shade on the left to a darker shade on the right.

Seilevel

requirements defined

Requirements at the Speed of Thought

APLN Houston

February 11, 2009

What are Requirements?

1. A condition or capability needed by a user to solve a problem or achieve an objective.
2. A condition or capability that must be met or possessed by a product or product component to satisfy a contract, standard, specification or other formally imposed documents.
3. A documented representation of a condition or capability as in (1) or (2).

What are Requirements?

Requirements are any description of what the users want or need.



The Villain



Requirements

Design

Coding

Verification

Maintenance

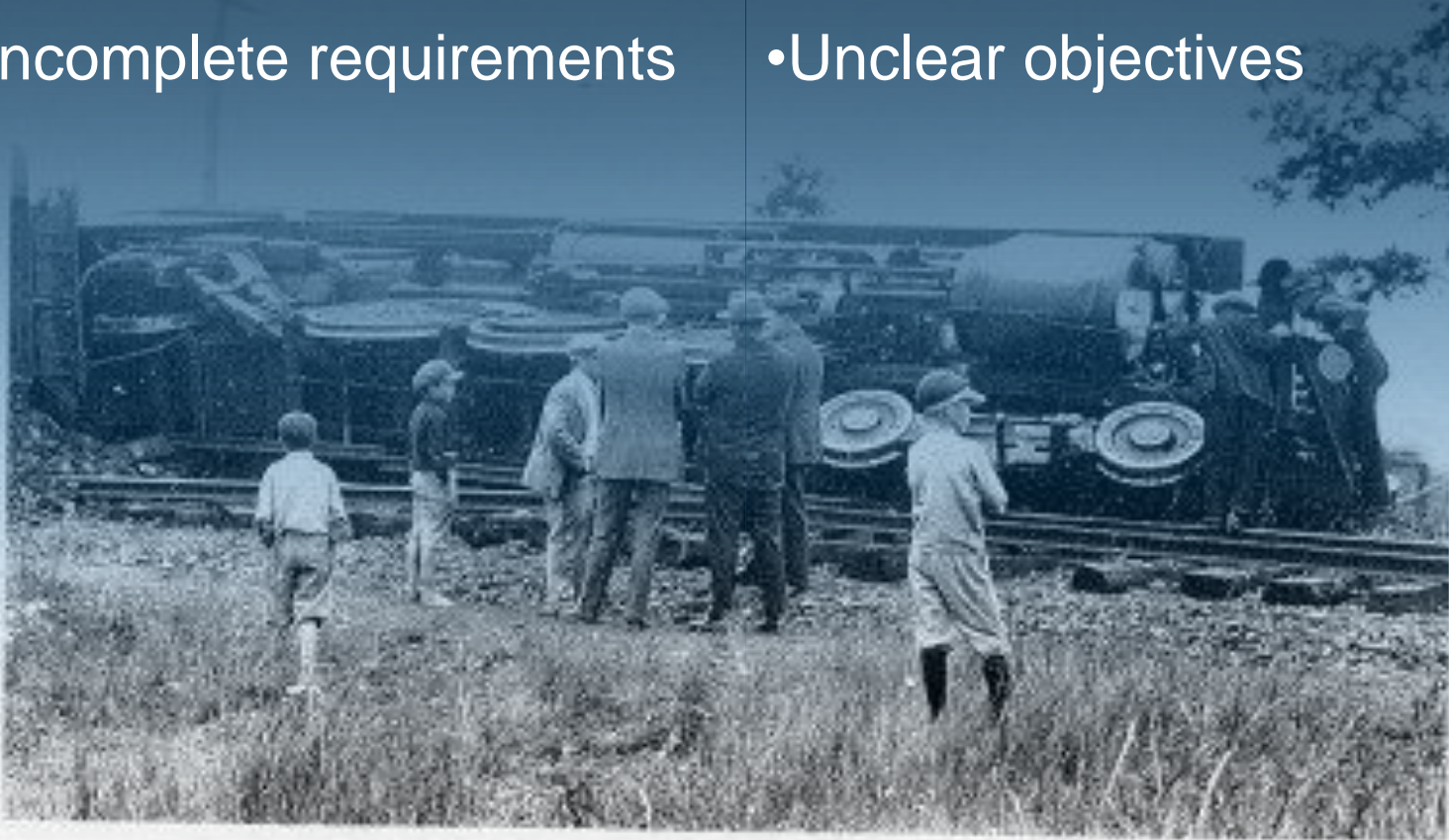
Building Walls



Artificial Barriers between Users and Developers.
The line in the sand that starts fights.

Why Do Projects Fail?

- Lack of user input
- Incomplete requirements
- Changing requirements
- Unclear objectives



A Better Way?



What if we got everyone together and just focused on building the right software?

What is Agile?

Individuals & Interactions

Processes & Tools

Working Software

Comprehensive Documentation

Customer Collaboration

Contract Negotiation

Responding to Change

Following a Plan

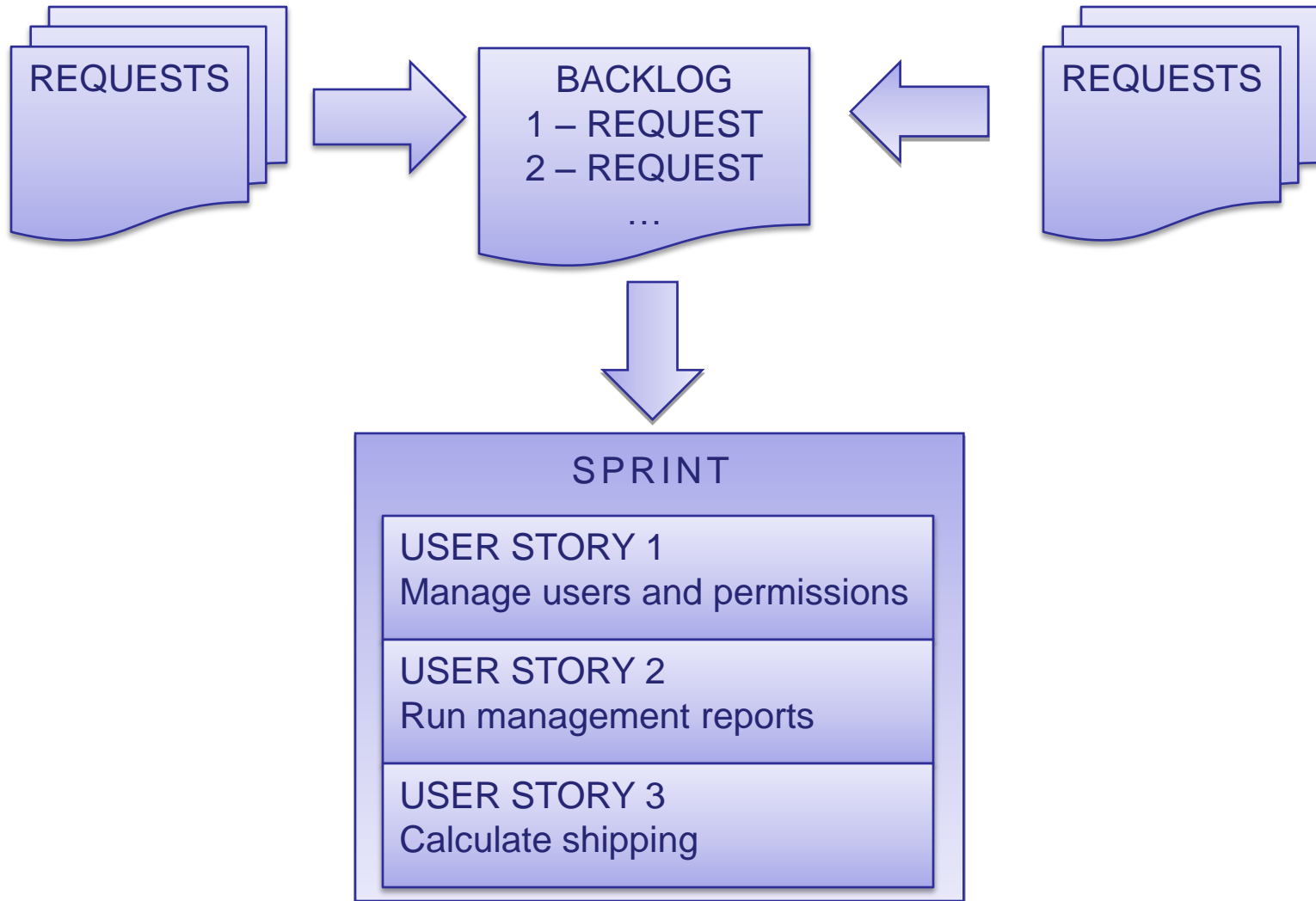
“That is, while there is value in the items on the right, we value the items on the left more.”

Many Flavors of Agile


- Scrum
- Extreme Programming
- Short Cycle Time
- Spiral
- Quick Iterations
- Just in Time
- Test-Driven Development
- and more...



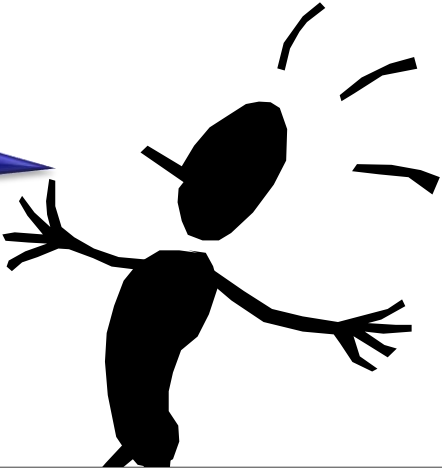
No Documentation?



Fanning the Flames

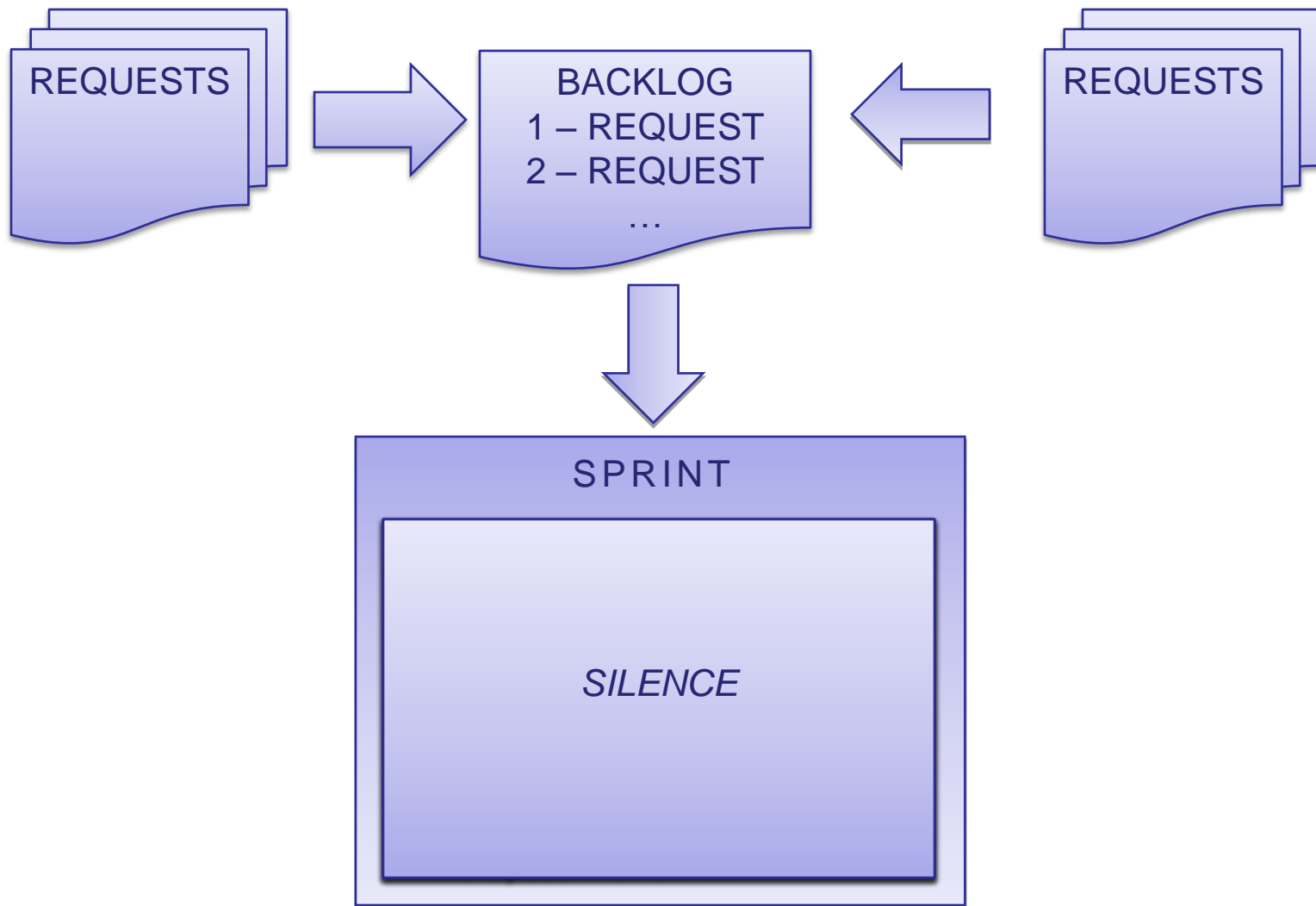


“In software development, the design document is a source code listing.”¹



“The reality is that the requirements document is usually insufficient, regardless of how much effort goes into it...”²

What can Happen?



Pendulum Effect



Too Much Documentation

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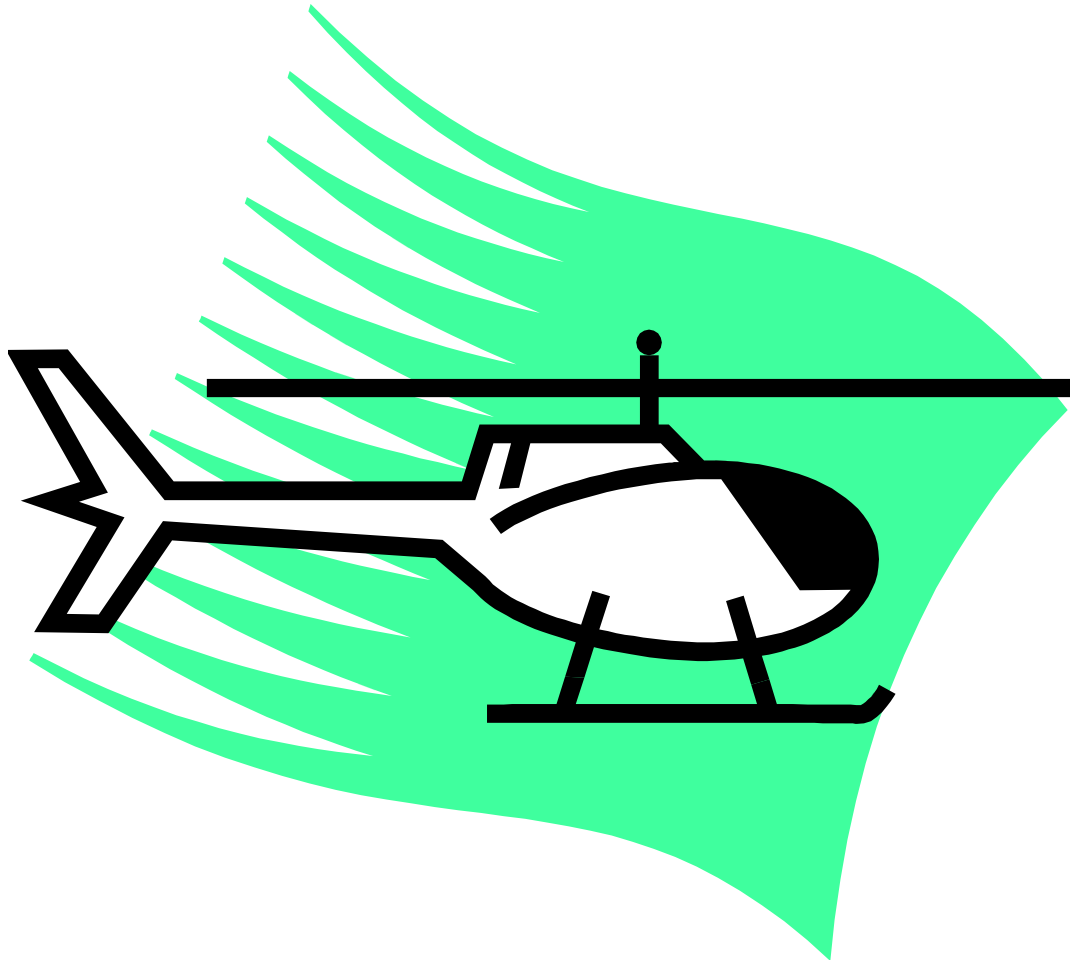
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Not Enough Information

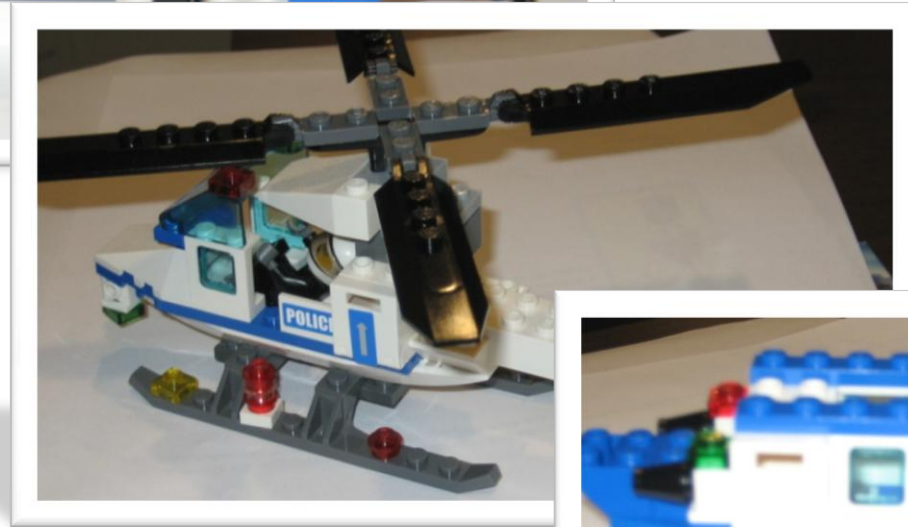
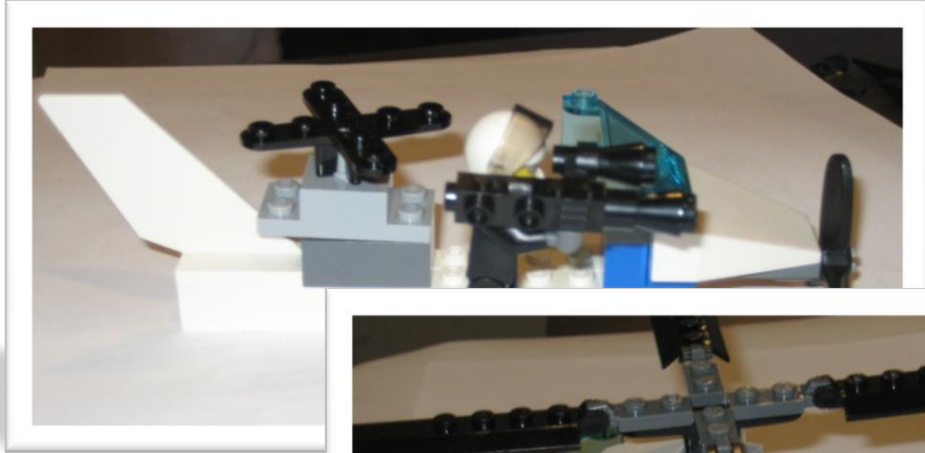
The Search for Balance



Demonstration



Demonstration



How can Agile Projects Succeed with Requirements?



How do you capture the right requirements, the right way, at the right time?

... 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’s great ... but what does it have to do with requirements?

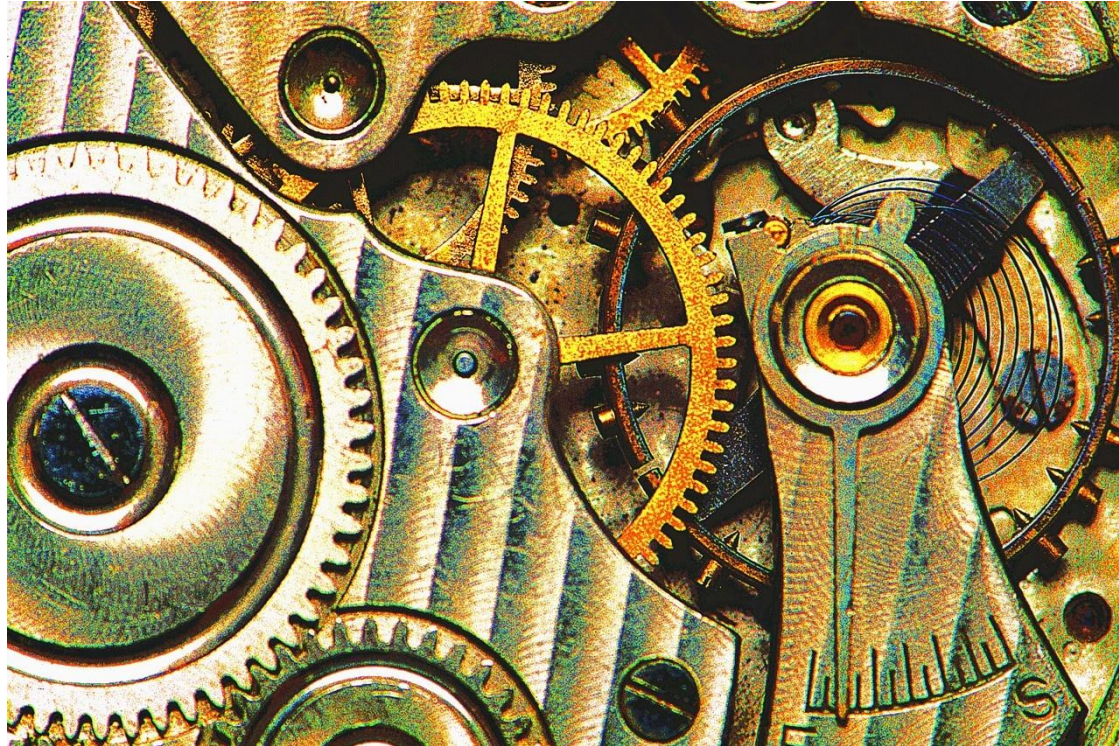
Individuals and Interactions



REQUIREMENT FOCUS: What are the team's requirements?

TAKE AWAY: Plan for time to support the needs of the team

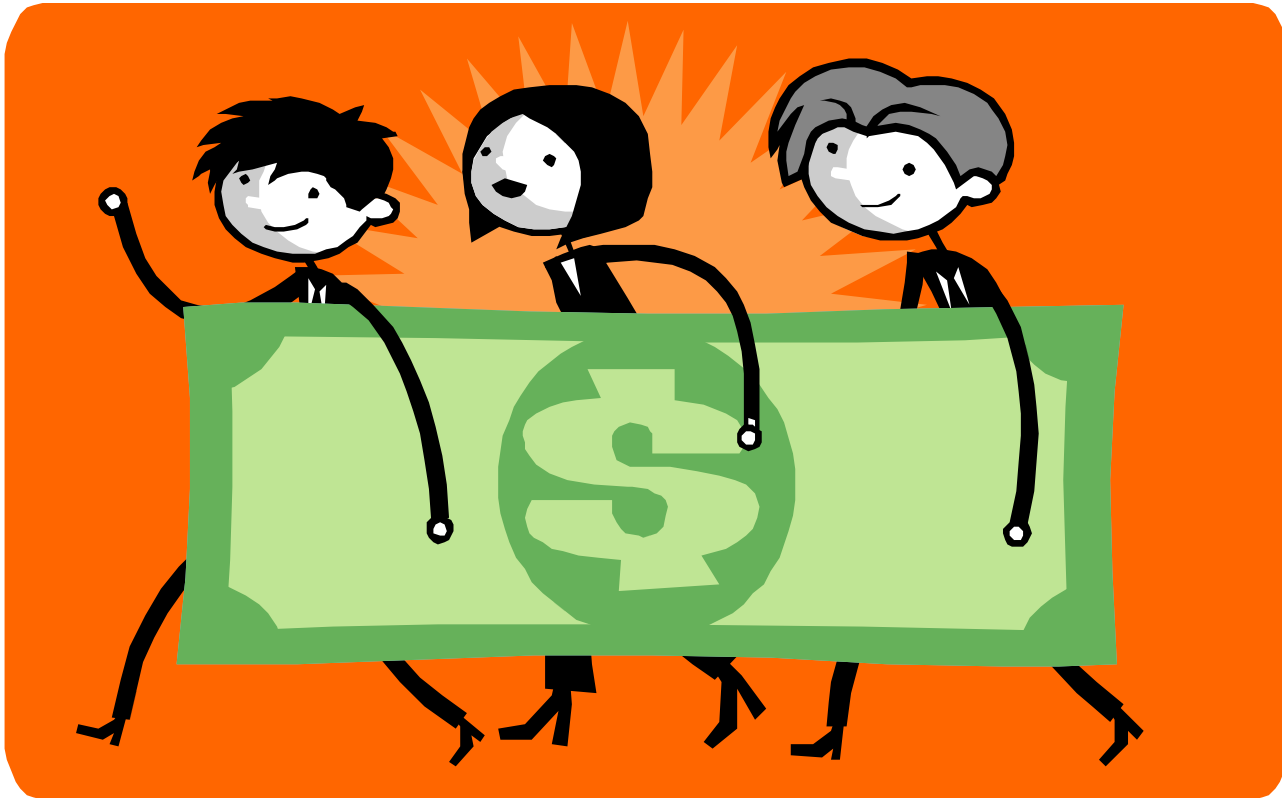
Working Software



REQUIREMENT FOCUS: Know your requirements requirements

TAKE AWAY: How can we most effectively create working software?

Customer Collaboration



REQUIREMENT FOCUS: Always drive to business value

TAKE AWAY: Help define clear business objectives for your project

Responding to Change



REQUIREMENT FOCUS: Understand and assess change in context

TAKE AWAY: Use simple tools to support understanding

Let's talk about your Agile requirements challenges.

Put the Manifesto to Work



Requirements still exist and still matter.
Use the Manifesto to put them to work.

Thanks for coming!

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<http://requirements.seilevel.com/>

requirements **defined**SM