

AGILE 101

An introduction and overview

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Technical Management Institute



“Who is this guy?”



AGILE VALUES

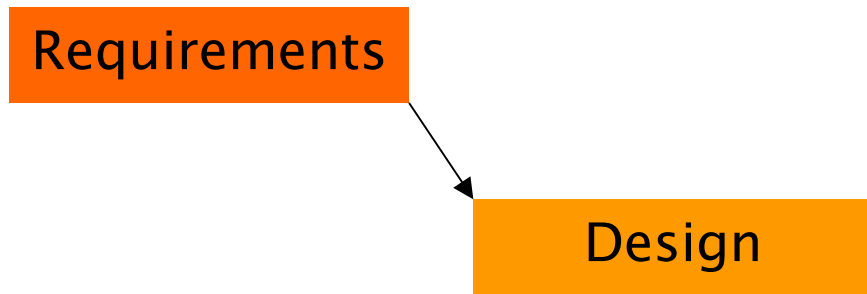
- *Individuals and interactions*
 - *over processes and tools*
- *Working software*
 - *over comprehensive documentation*
- *Customer collaboration*
 - *over contract negotiation*
- *Responding to change*
 - *over following a plan*

WATERFALL

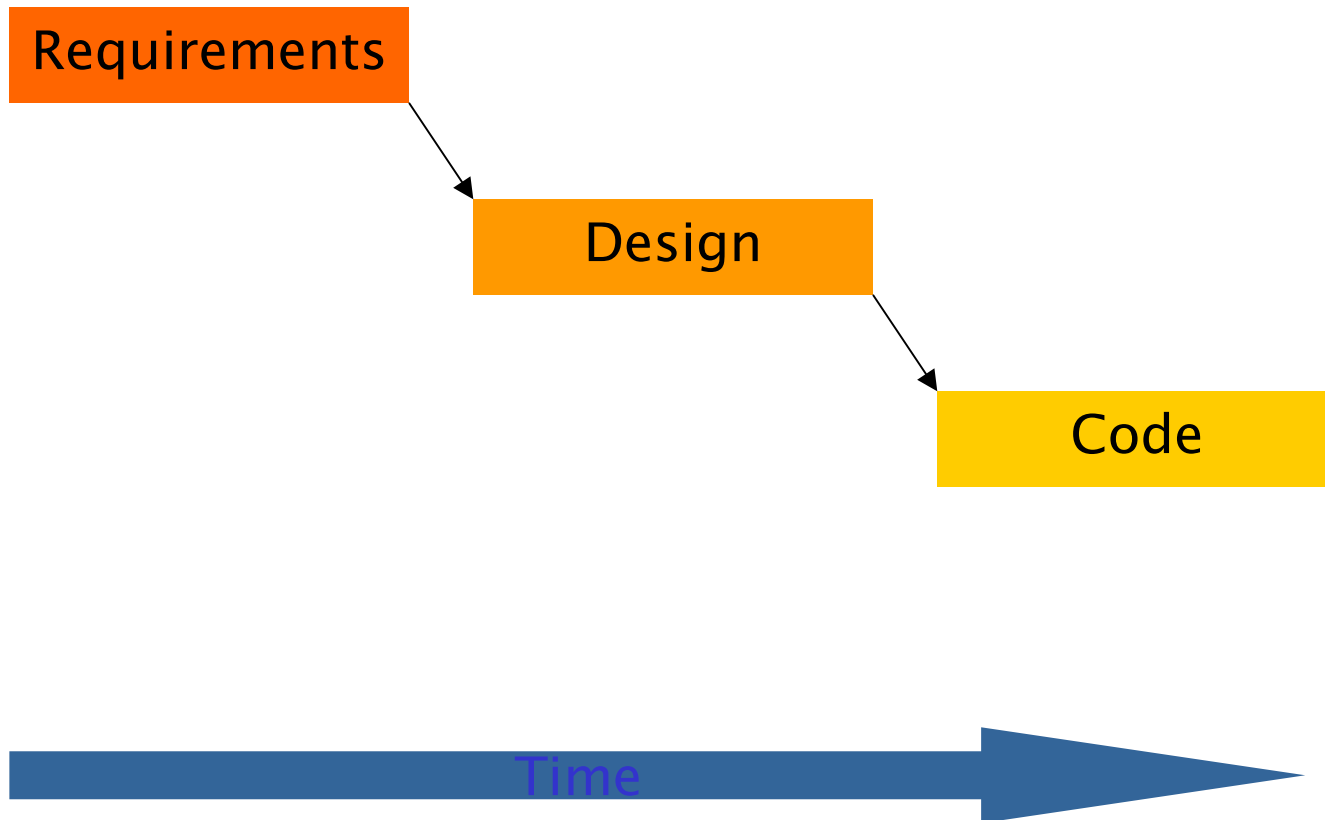
WATERFALL

Requirements

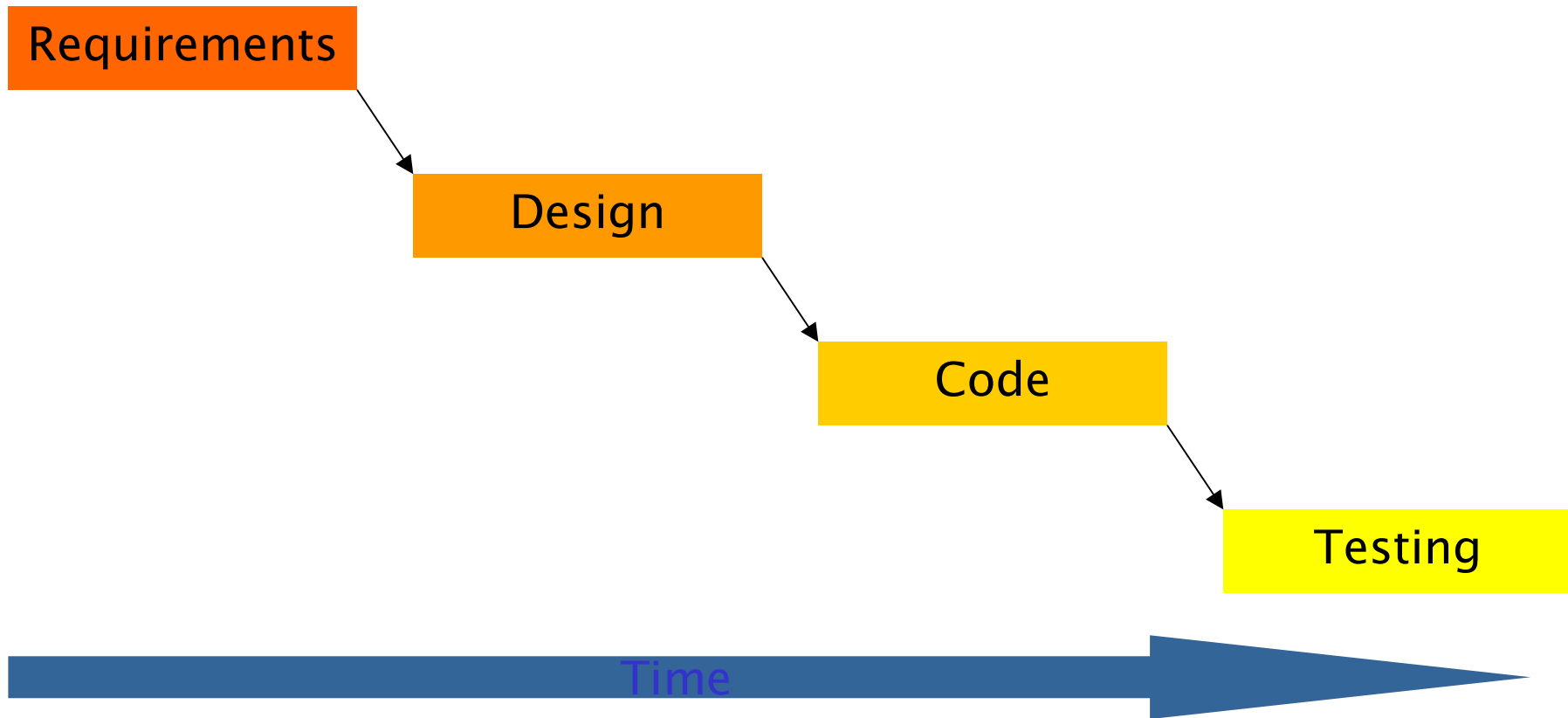
WATERFALL



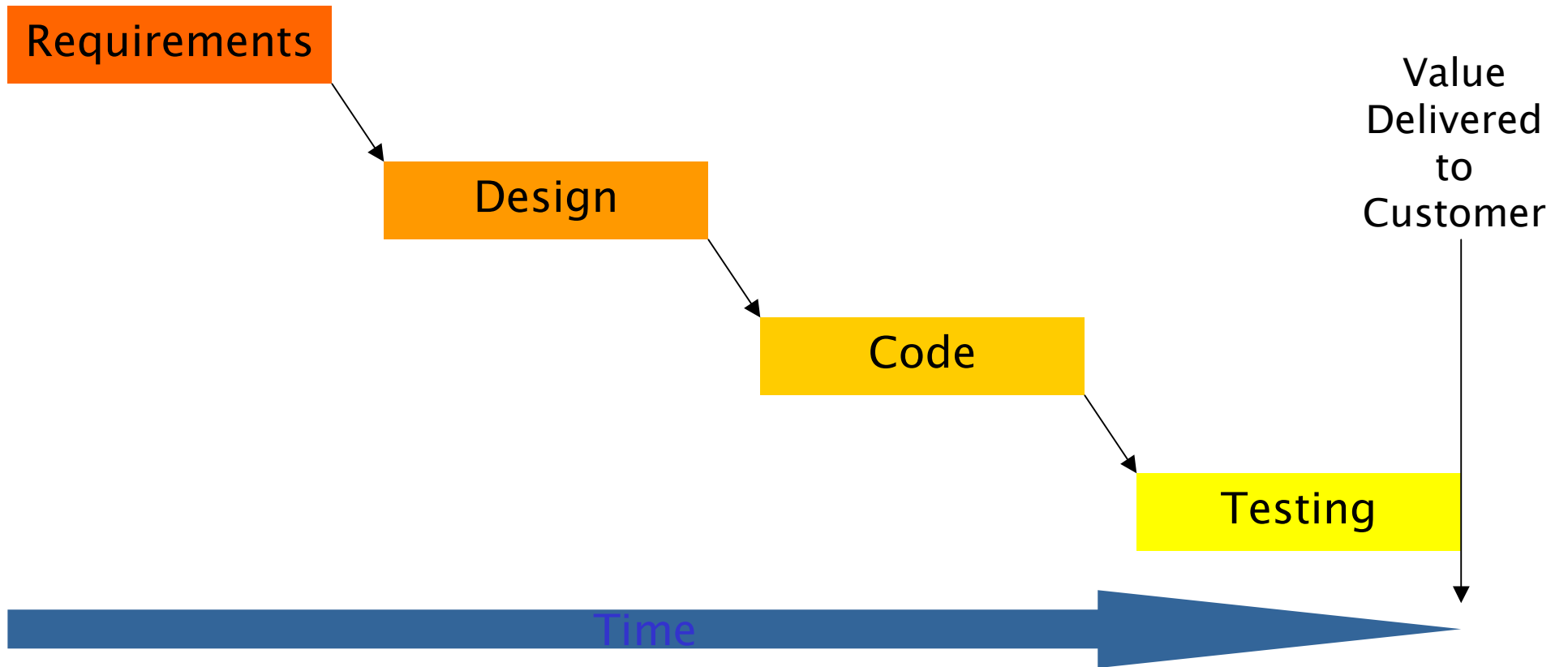
WATERFALL



WATERFALL



WATERFALL



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AGILE

R



AGILE

R D



AGILE

R D C



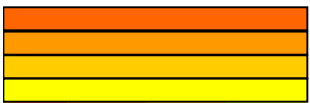
AGILE

R D C T

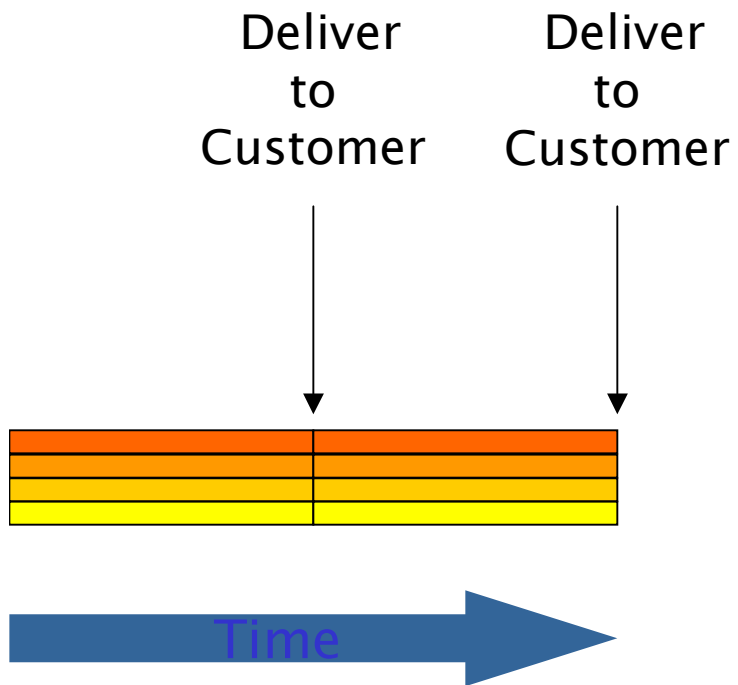


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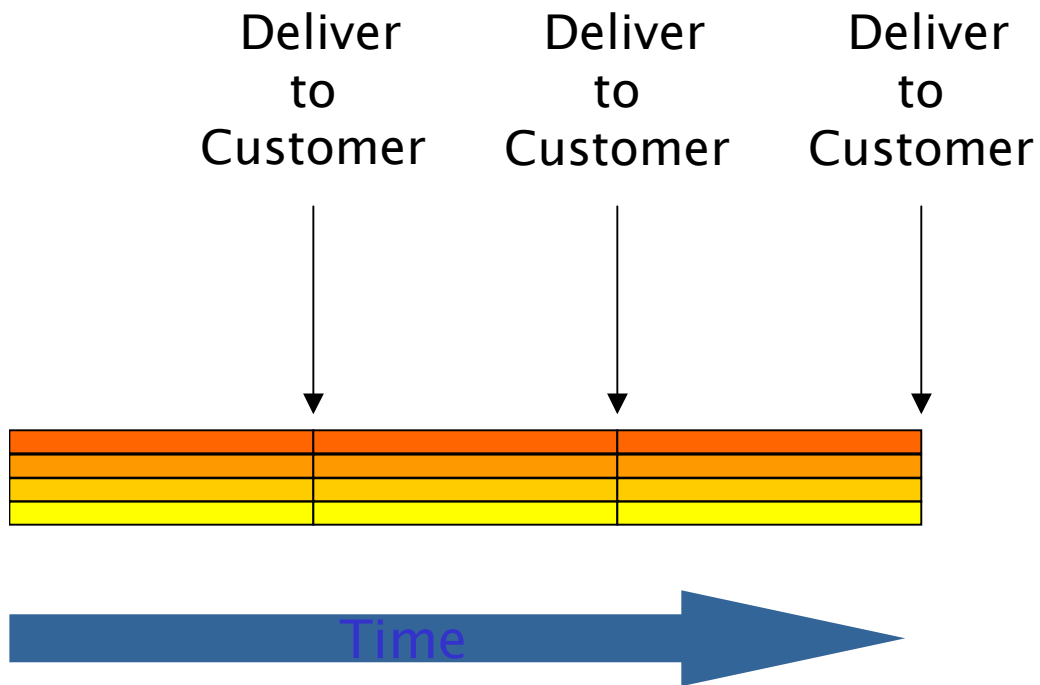
Deliver
to
Customer



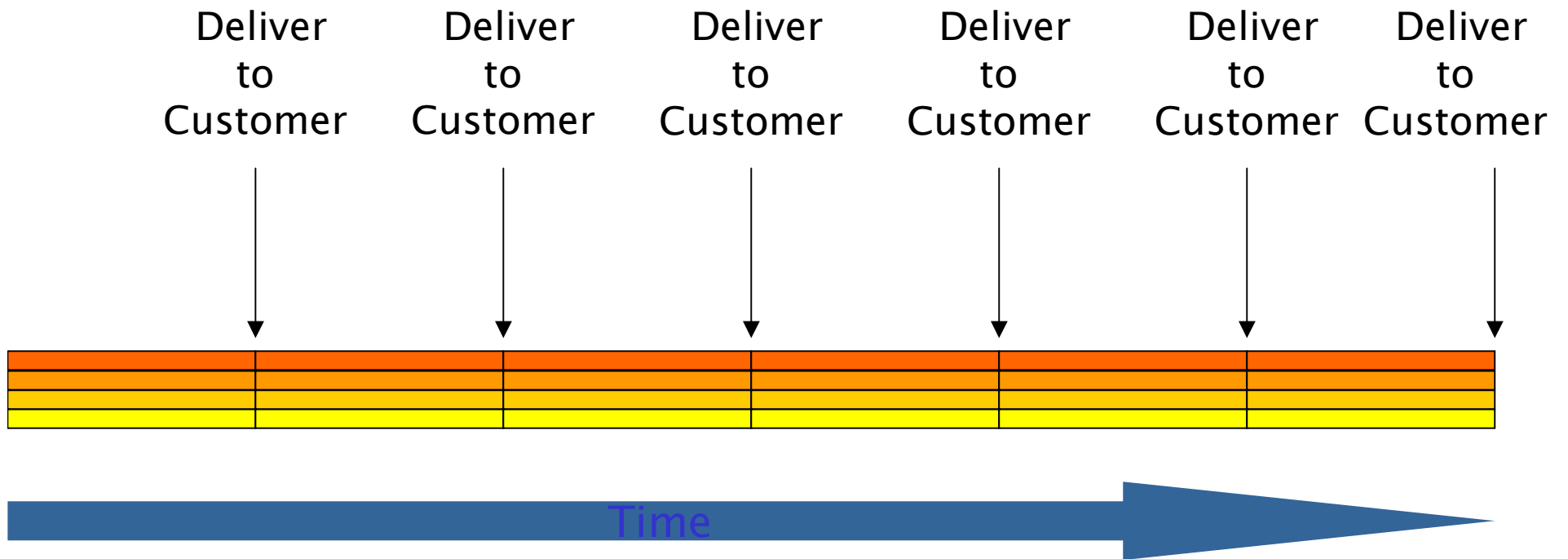
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WATERFALL



WATERFALL

Requirements



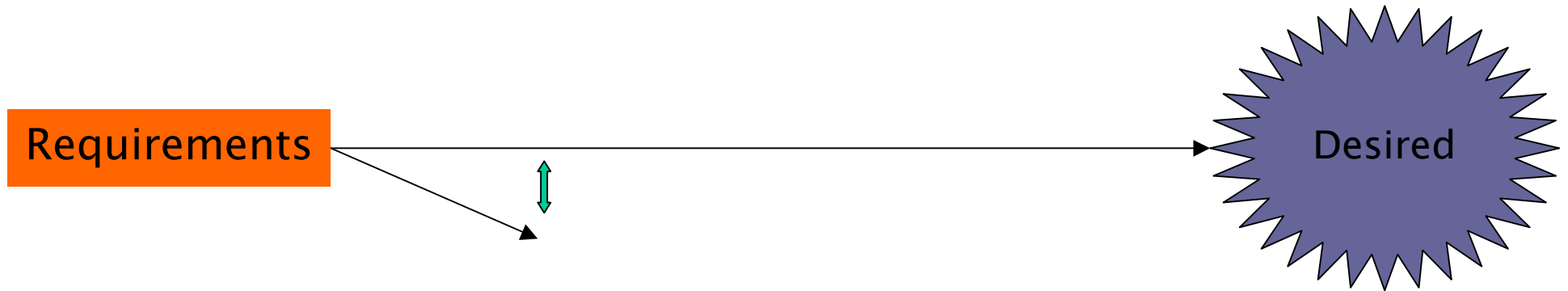
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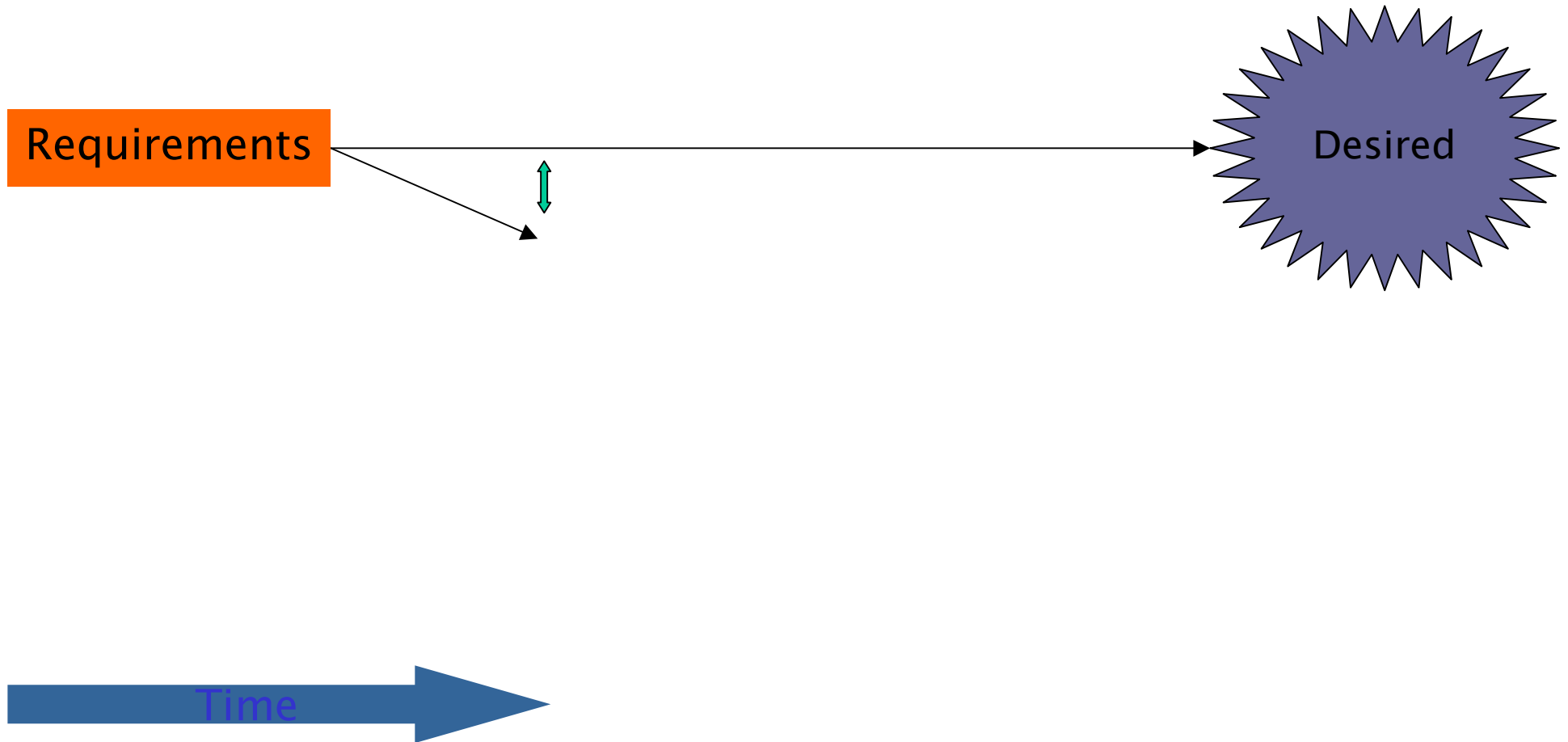
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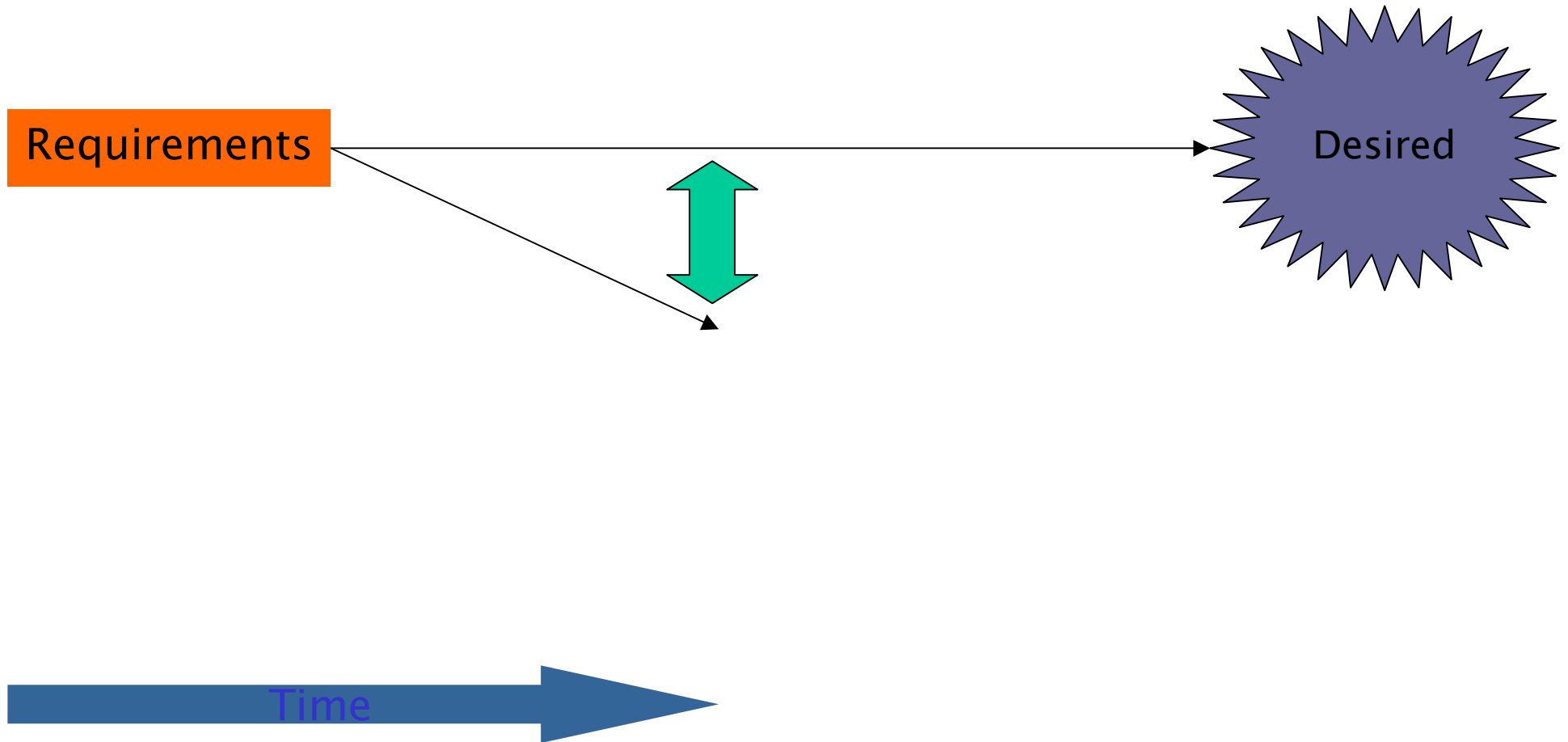
WATERFALL



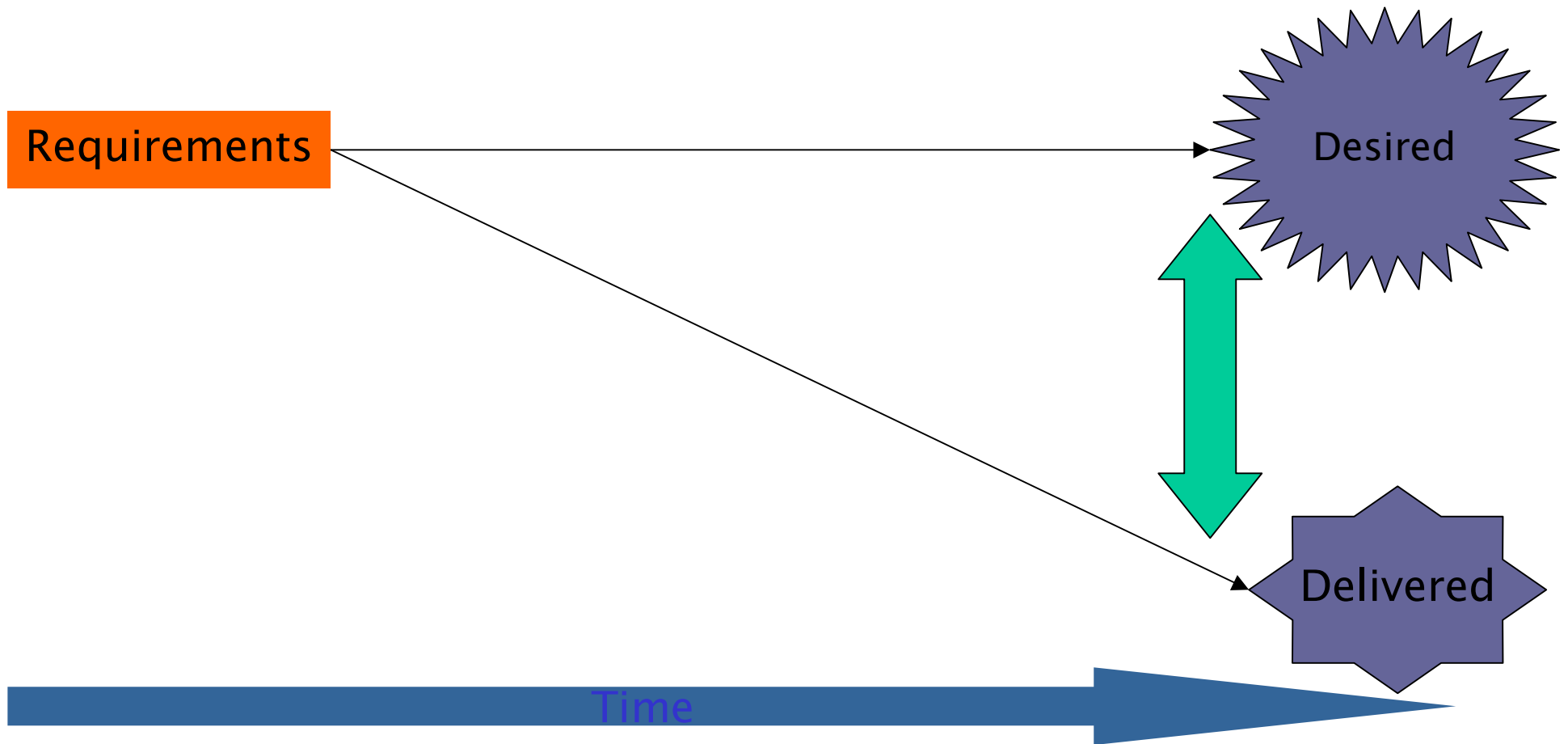
WATERFALL



WATERFALL



WATERFALL



AGILE

R_{requirements}



AGILE



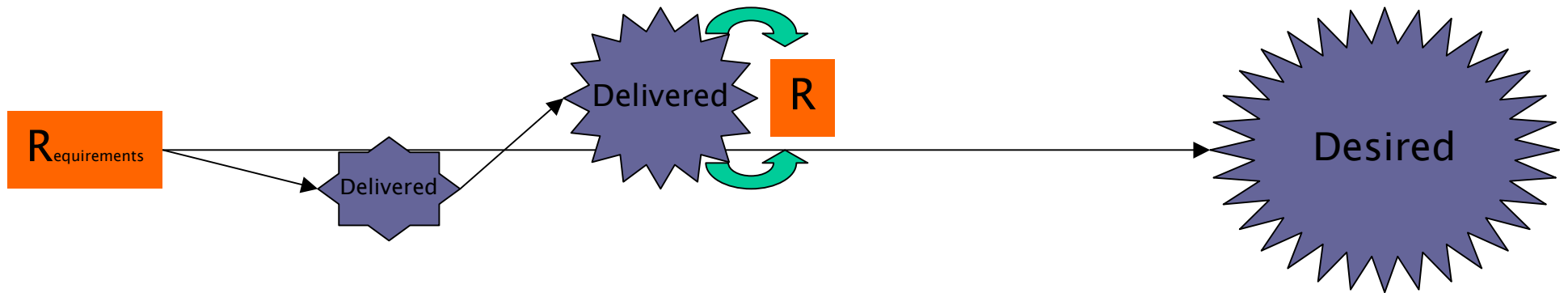
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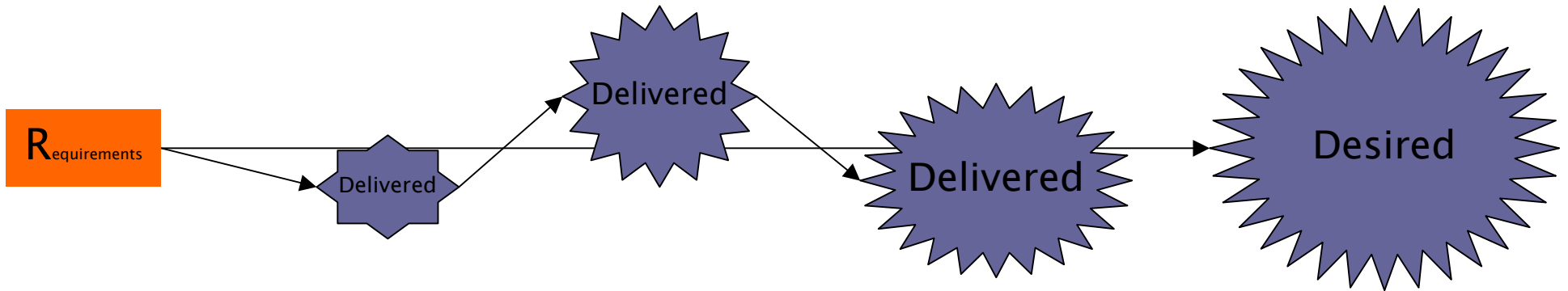
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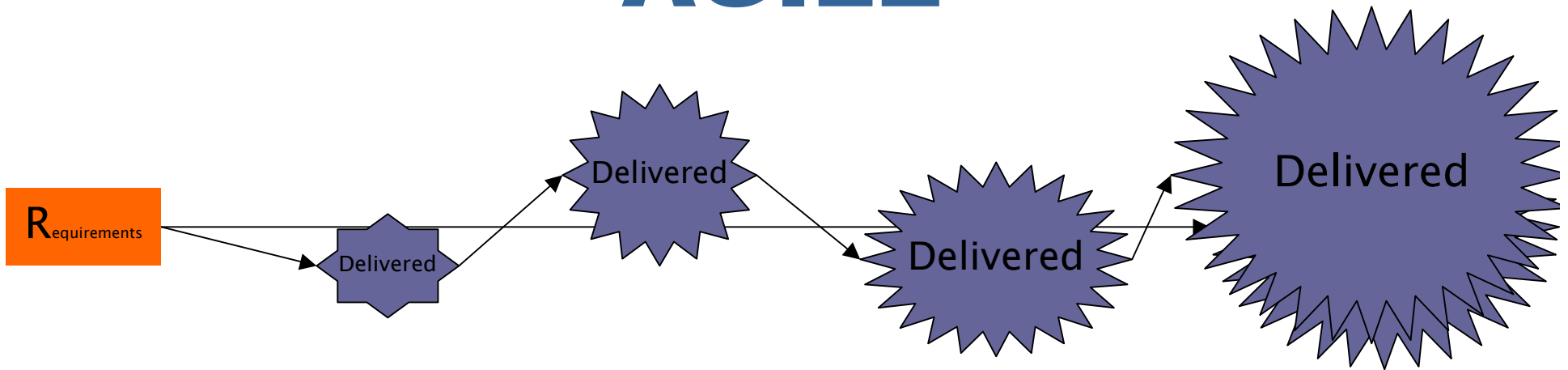
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AGILE



AGILE METHODOLOGIES

- *Scrum*
- *Extreme Programming*
- *Lean Software Development*
- *Feature Driven Development*
- *Dynamic Systems Development Method*

What is Scrum?

- *Team-centric*
- *Roles*
 - *Product Owner*
 - *Scrum Master*
 - *Developers*
- *Product backlog*
 - *Prioritized*
 - *Estimated*
- *Sprints*
- *Inspect and adapt*



Product Owner

- *Represents the customers*
- *Represents the business*
- *Owens the product backlog*
 - *Writes most user stories*
 - *Prioritizes stories*
 - *Chooses what gets built and when*

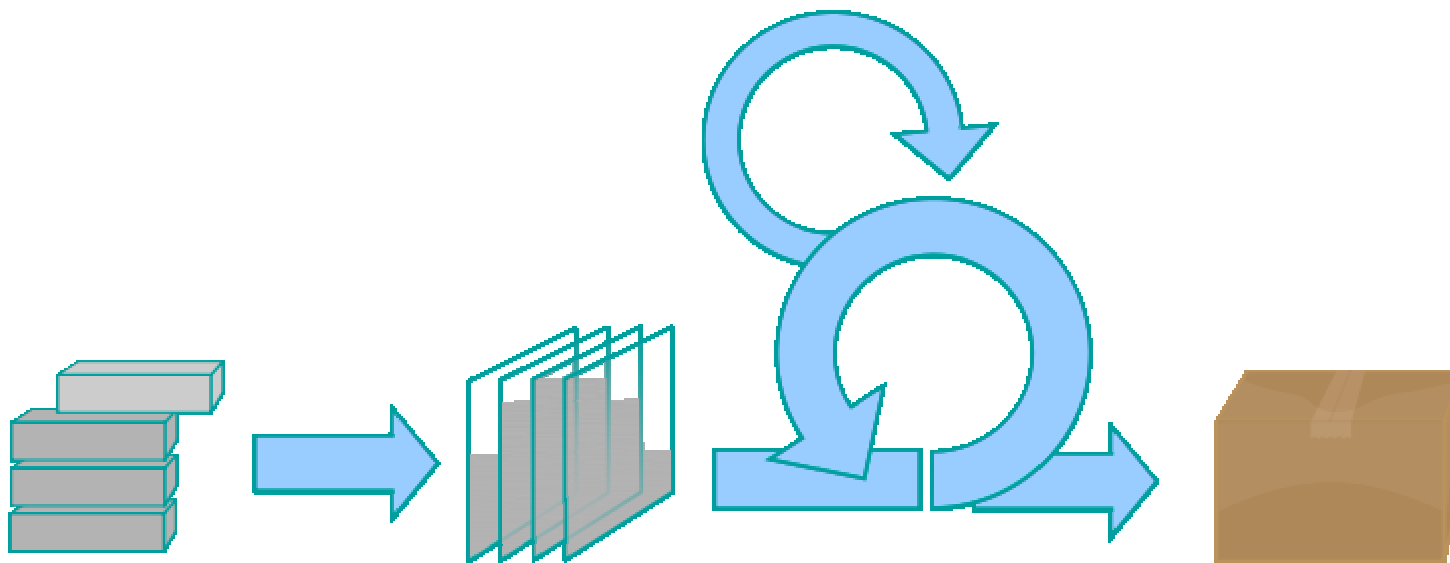
Scrum Master

- *Removes roadblocks*
- *Facilitates interactions*
- *Process improvement champion*

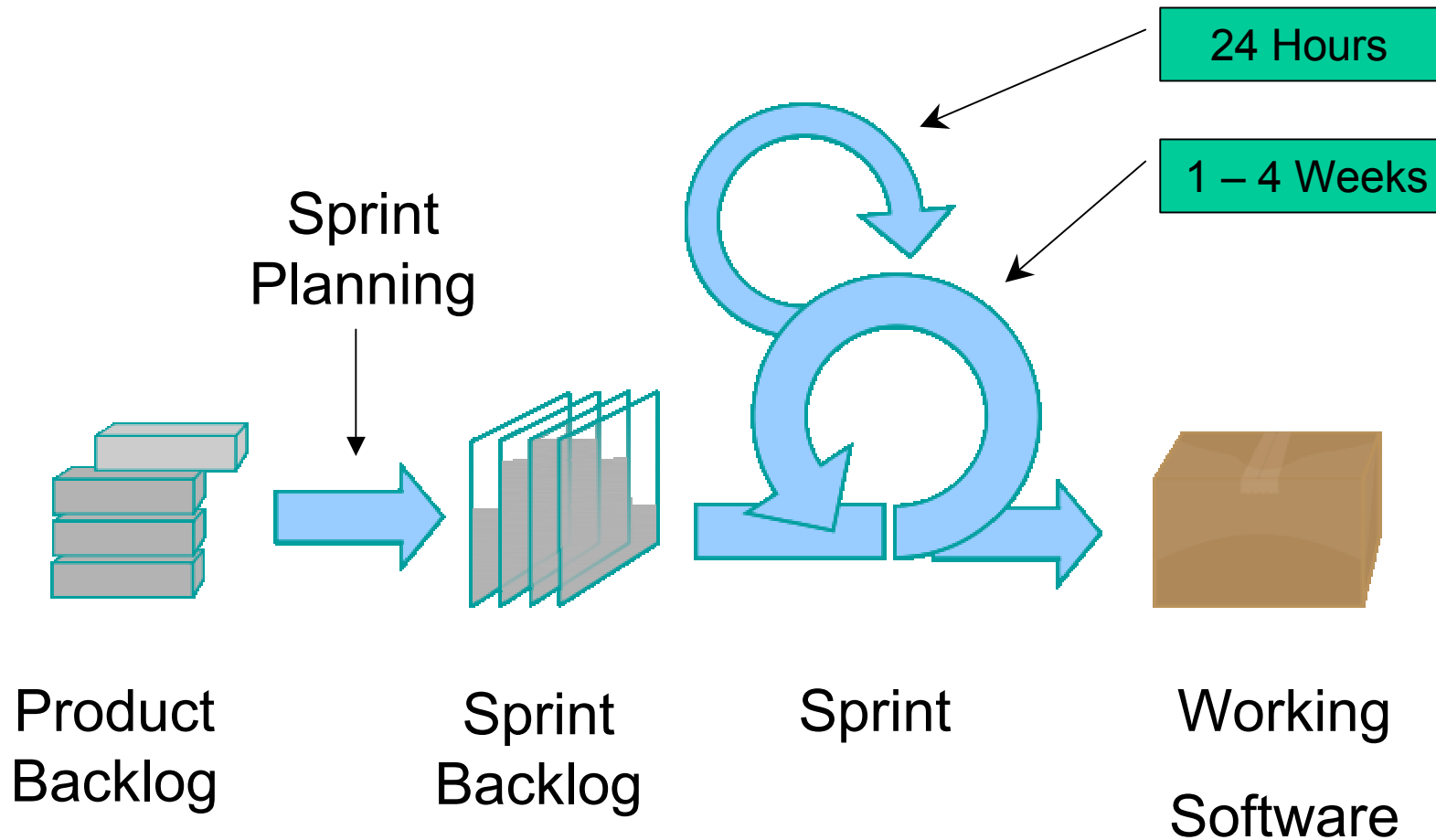
Developers

- *Create the actual product*
 - *Coders*
 - *Testers*
 - *Documentation*
- *Own the estimates*
- *Choose how to build the product*

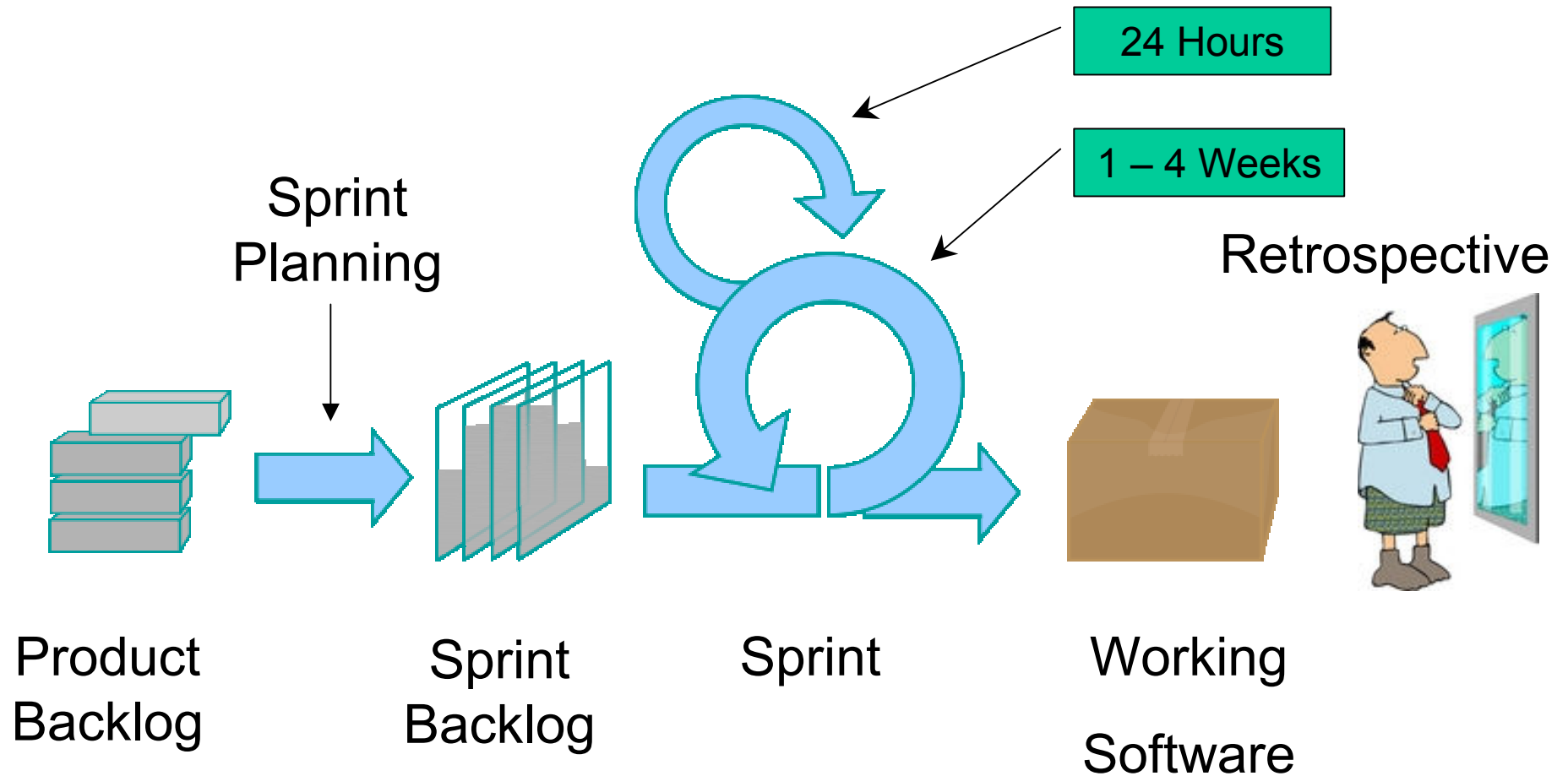
Scrum



Scrum



Scrum



Waterfall

Requirements



AGILE

R > *Story*

AGILE

User Cancels Transaction

The user clicks the 'Cancel' button on the final page. The transaction is canceled and the user is returned to the main page.

AGILE



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- *Story*
- *Conversation*
- *Acceptance Tests*

WATERFALL

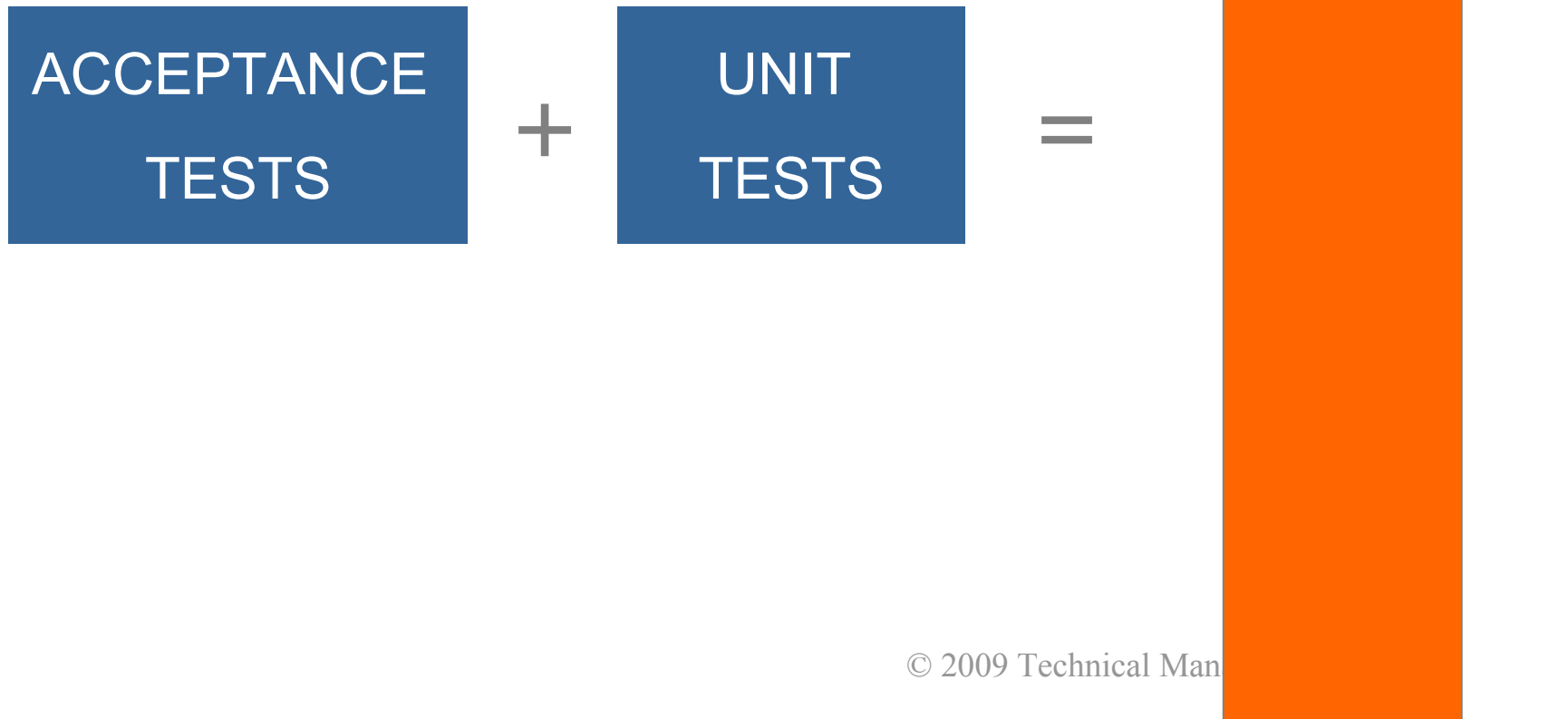


AGILE



- *Boxes and arrows*
- *TDD / BDD*
- *Unit tests*
- *Refactoring*

AGILE





What did I get done yesterday?

What do I expect to get done today ?

What's standing in my way?



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SLIDES AND MORE...

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March 26, 2008

Engineering Managers Support Group Tonight!

The [Engineering Managers Support Group](#) is meeting tonight!
Our topic: Active Listening.



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