

SCRUM x KANBAN

WHICH ONE IS BETTER?





Kanban

Scrum

The Kanban Guide for Scrum Teams

January 2021



Developed and sustained by Scrum.org, Daniel Vacanti, and Yuval Yeret

The Kanban Guide for Scrum Teams

January 2021



Developed and sustained by Scrum.org, Daniel Vacanti, and Yuval Yeret

Ken Schwaber & Jeff Sutherland

The Scrum Guide

The Definitive Guide to Scrum: The Rules of the Game

November 2020

The Kanban Guide for Scrum Teams

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November 2020



PROFESSIONAL CERTIFICATION

PROFESSIONAL SCRUM WITH KANBAN I

YOUR NAME HERE

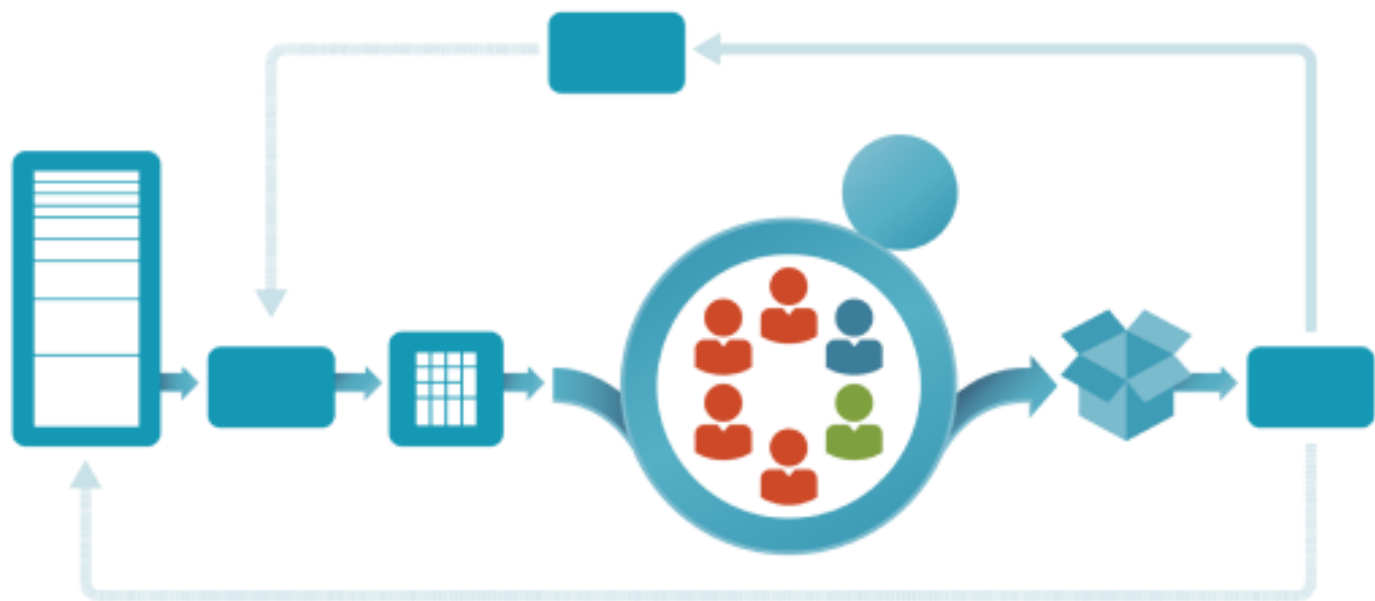
has demonstrated a fundamental level of understanding of how additional practices from Kanban can be introduced to Scrum Teams, without changing Scrum. This individual has also demonstrated an understanding of the benefits Scrum Teams can receive by using Scrum with Kanban.

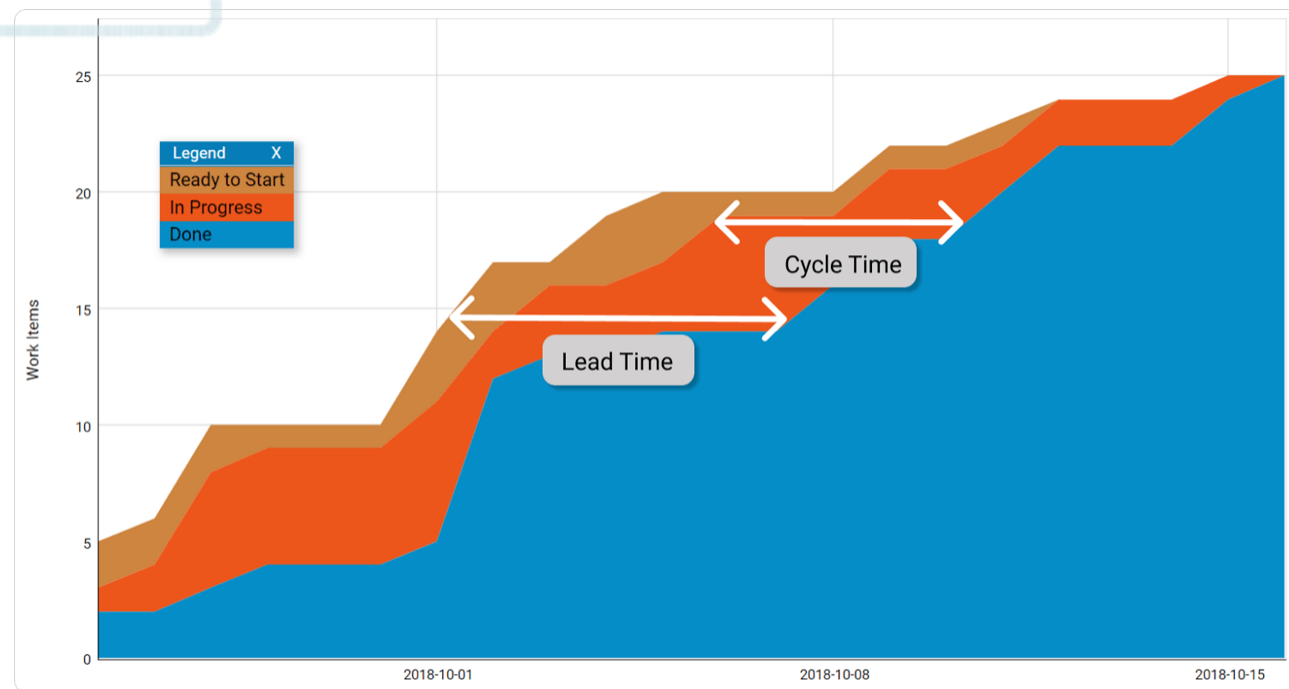
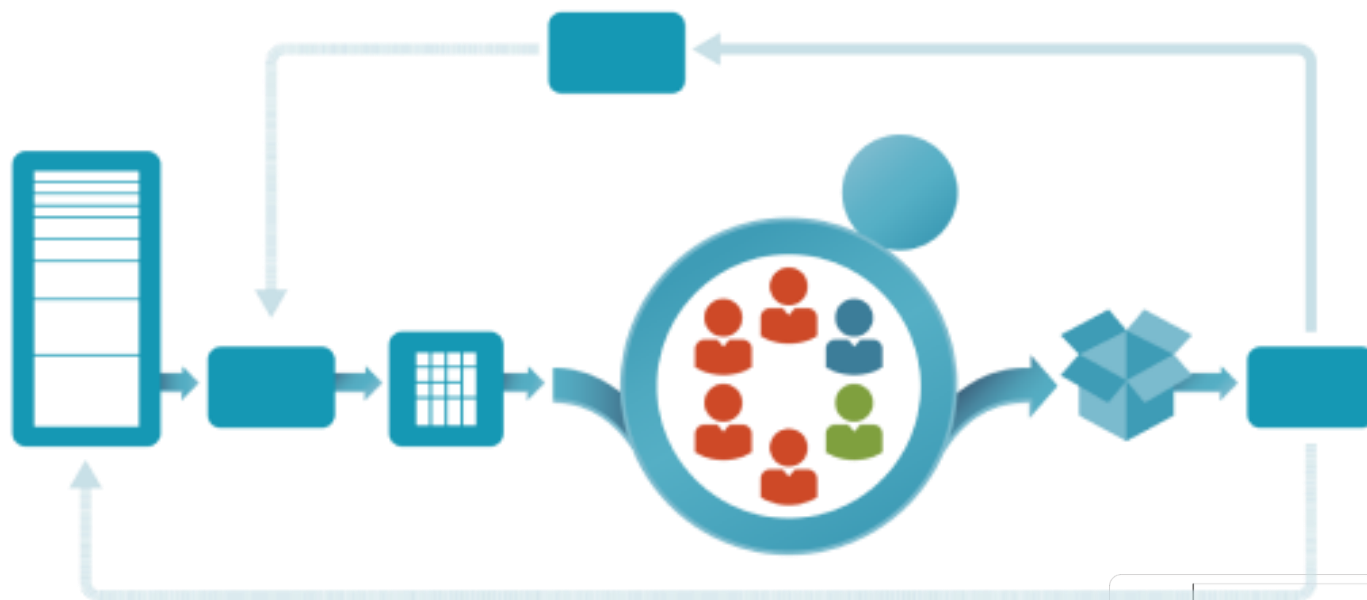
In recognition of this achievement, Scrum.org is pleased to award this certification.

Ken Schwaber, founder Scrum.org

Certification Date







SCRUMBAN FLOW

OVERVIEW

Backlog

+

Item 01

Item 02

Item 03

Item 04

Item 05

Item 06

Item 07

Item 08

Item 09

Item 10

Ready

0 / 5

+

Doing

0 / 2

+

In Review

0 / 2

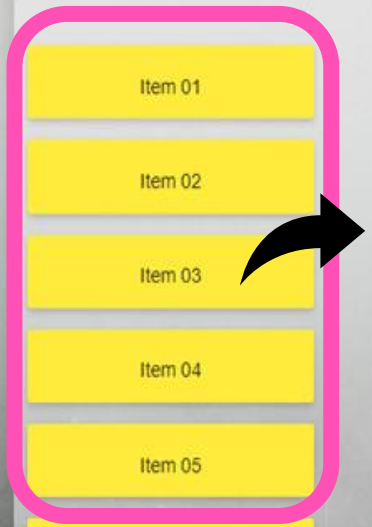
+

Done

+

Backlog	Ready 0 / 5	Doing 0 / 2	In Review 0 / 2	Done
<div>+</div> <div>Item 01</div> <div>Item 02</div> <div>Item 03</div> <div>Item 04</div> <div>Item 05</div> <div>Item 06</div> <div>Item 07</div> <div>Item 08</div> <div>Item 09</div> <div>Item 10</div>	<div>+</div>	<div>+</div>	<div>+</div>	<div>+</div>

Backlog	Ready 0 / 5	Doing 0 / 2	In Review 0 / 2	Done
Item 01				
Item 02				
Item 03				
Item 04				
Item 05				
Item 06				
Item 07				
Item 08				
Item 09				
Item 10				



Backlog	Ready 5 / 5	Doing 0 / 2	In Review 0 / 2	Done
+	+	+	+	+
Item 06	Item 01			
Item 07	Item 02			
Item 08	Item 03			
Item 09	Item 04			
Item 10	Item 05			

Backlog	Ready 5 / 5	Doing 0 / 2	In Review 0 / 2	Done
<div>+</div> <div><div>Auction feature</div><div>Item 08</div><div>Item 09</div><div>Item 10</div></div>	<div>Ready</div> <div>Item 01</div> <div>Item 02</div> <div>Item 03</div> <div>Item 04</div> <div>Item 05</div>	<div>+</div>	<div>In Review</div> <div>+</div>	<div>+</div>

Backlog	Ready 5 / 5	Doing 0 / 2	In Review 0 / 2	Done
+	+	+	+	+
Item 06	Item 01			
Item 07				
Item 08				
Item 09				
Item 10				

Auction feature

- User selects the value of the bid
- Bid is executed in real-time
- Bidding is only possible if the user has enough balance
- The value is discounted from the user's balance and registered in the transactions history
- User can increase bidding anytime
- User cannot cancel a bid
- If the user wins an action, the system must refund him for the extra costs if the auction's final value is lower than his bid value
- Update RUNNING AUCTIONS list on user's home page
- If user wins, add it to WON AUCTIONS list on user's home page
- If user wins, charge for service fee

Backlog	Ready 5 / 5	Doing 0 / 2	In Review 0 / 2	Done
+	+	+	+	+
Item 06	Item 01			
Item 07	Item 02			
Item 08	Item 03			
Item 09	Item 04			
Item 10	Item 05			

Reason #01

Avoid Wasting Time

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Avoid Wasting Time

Scrum

Sprint
Planning



Reason #01

Avoid Wasting Time

Scrum

Sprint
Planning



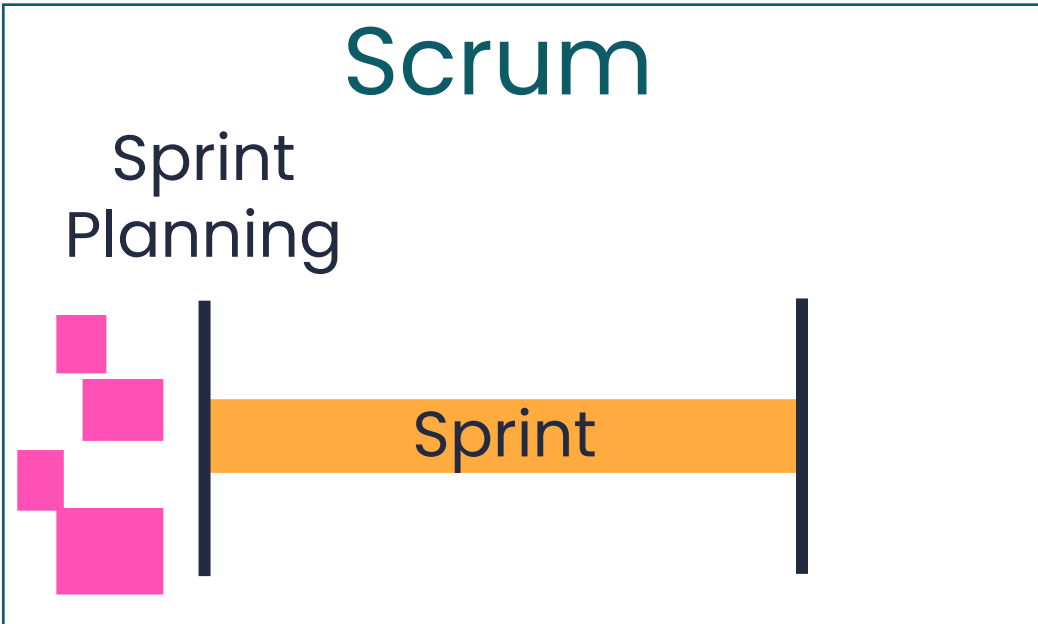
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Scrum

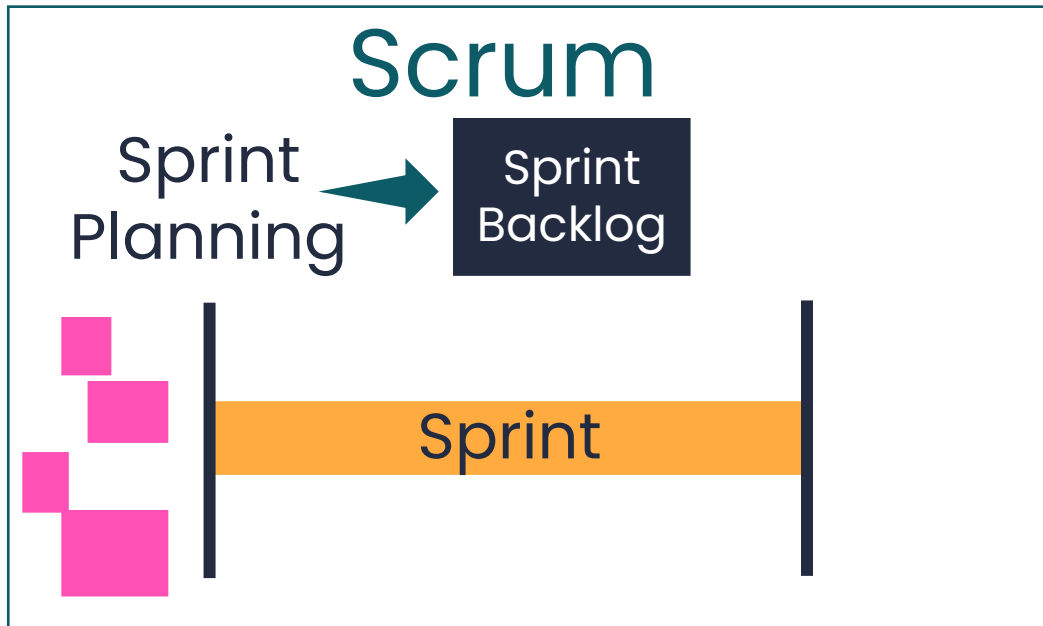
Sprint
Planning

Sprint



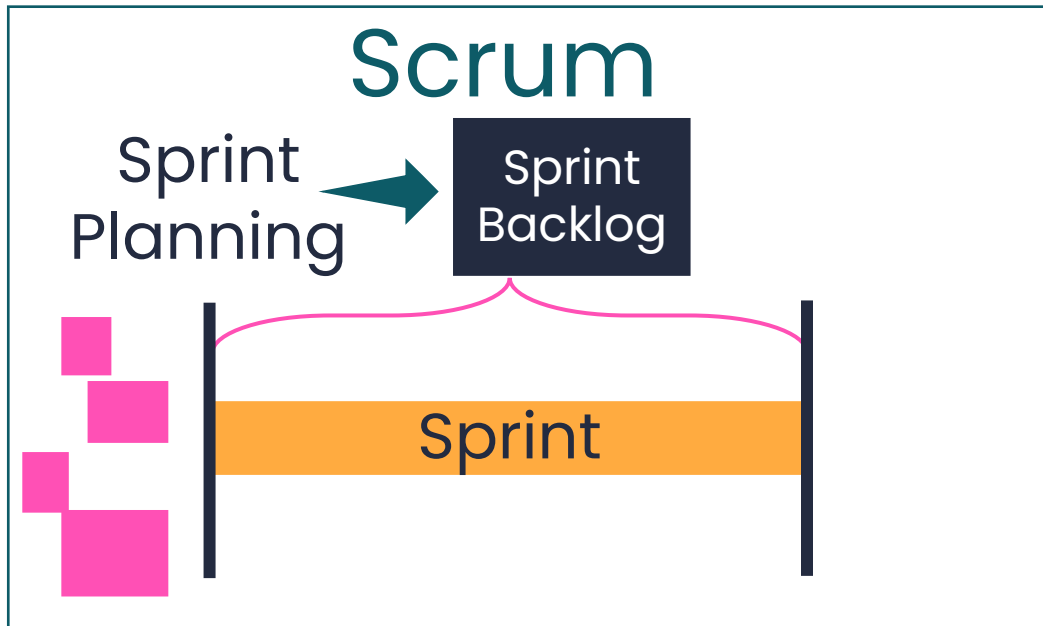
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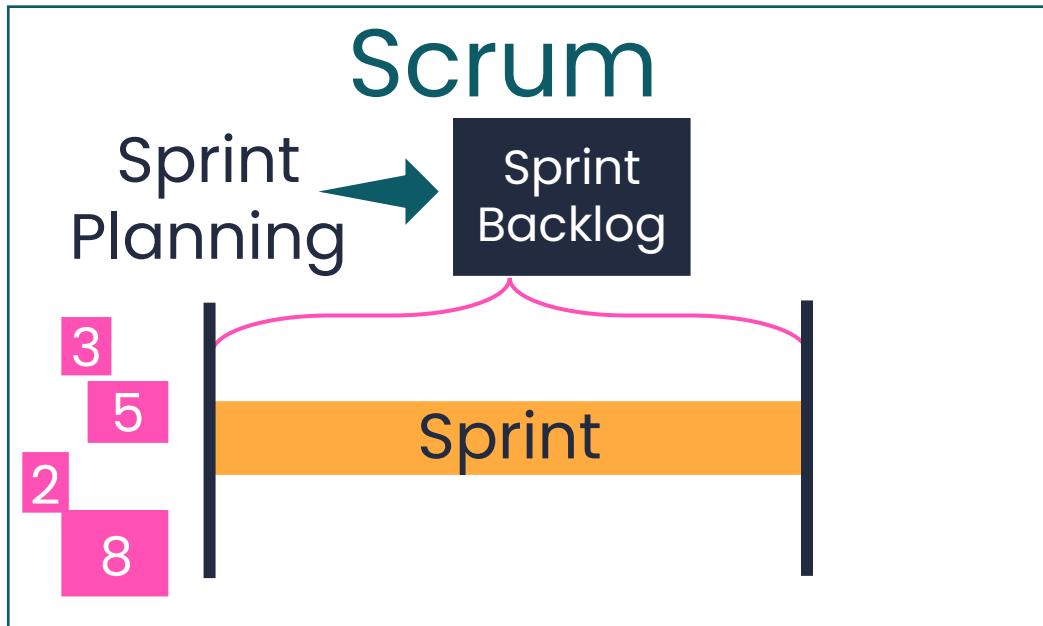
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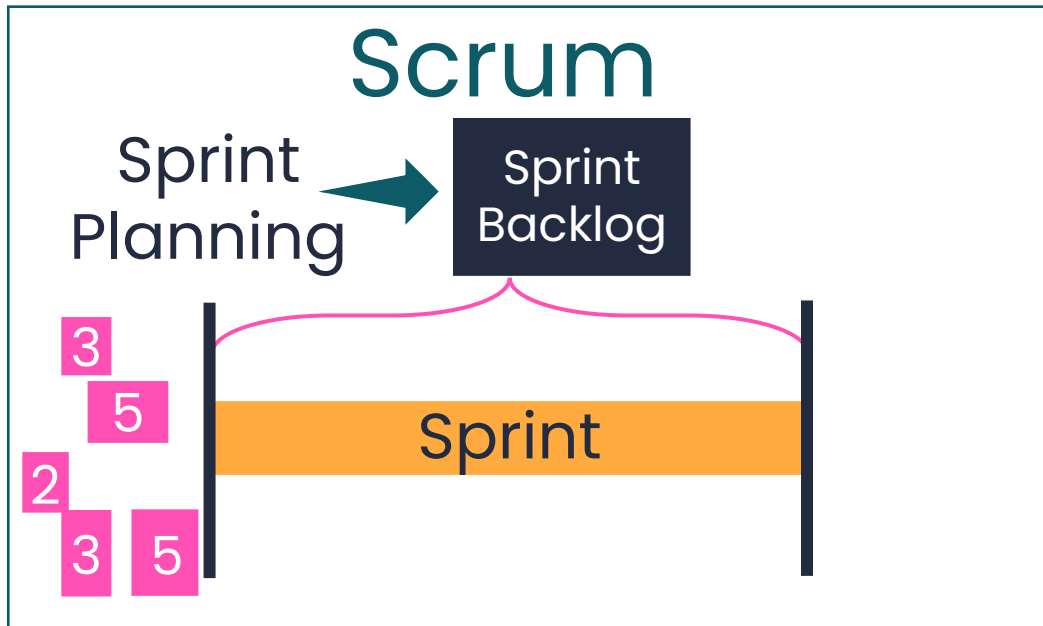
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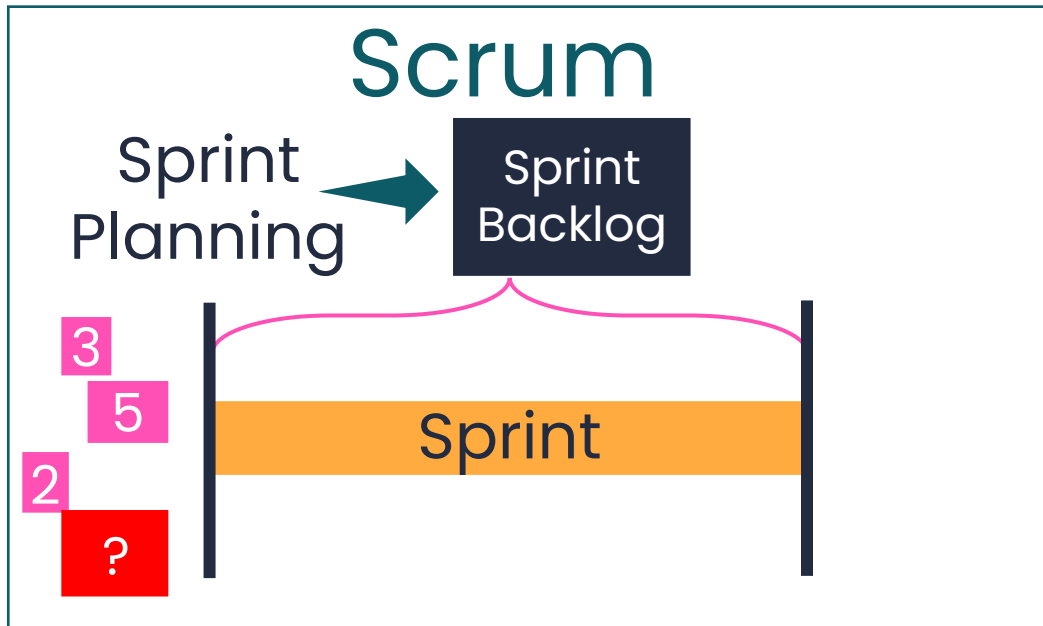
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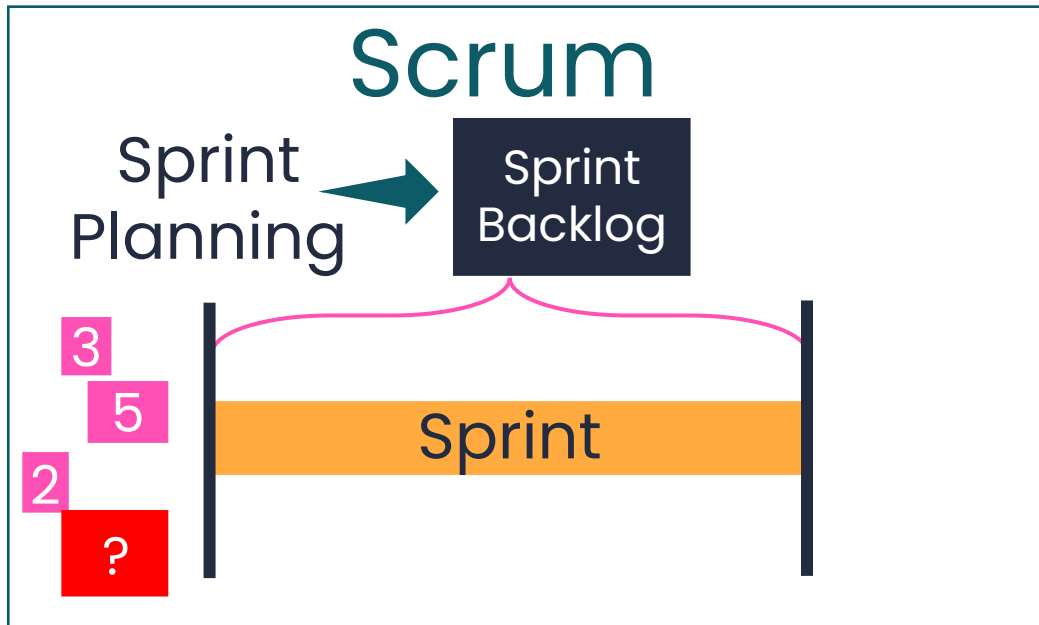
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Reason #01

Avoid Wasting Time



Scrumban

"Most effort on
estimation is waste"

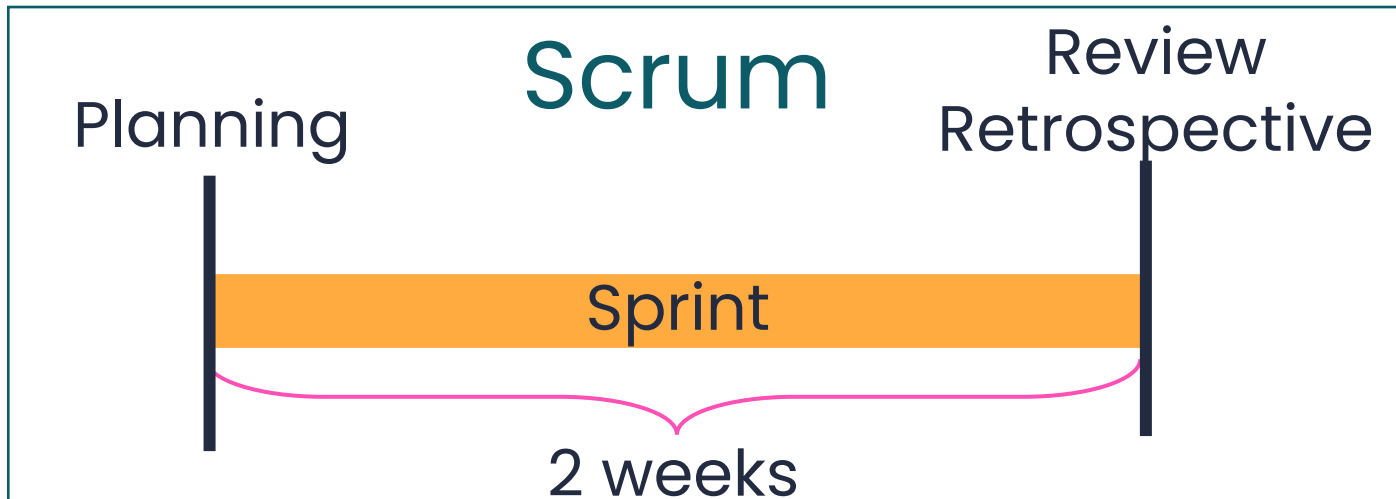
Backlog	Ready 5 / 5	Doing 0 / 2	In Review 0 / 2	Done
+	+	+	+	+
Item 06	Item 01			
Item 07	Item 02			
Item 08	Item 03			
Item 09	Item 04			
Item 10	Item 05			

Reason #02

The WIP Limit Sets the
Virtual Iteration Length

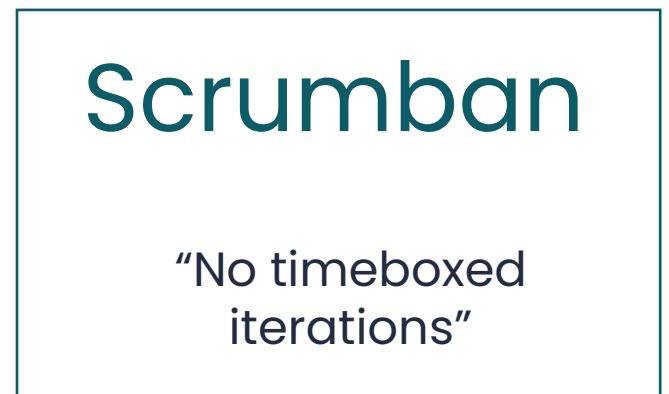
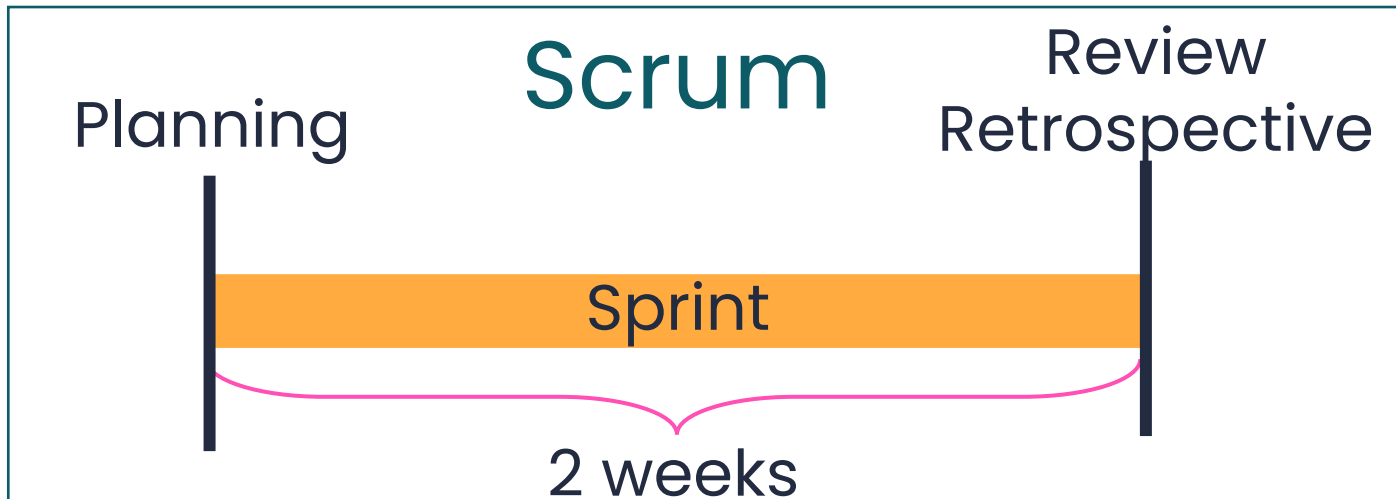
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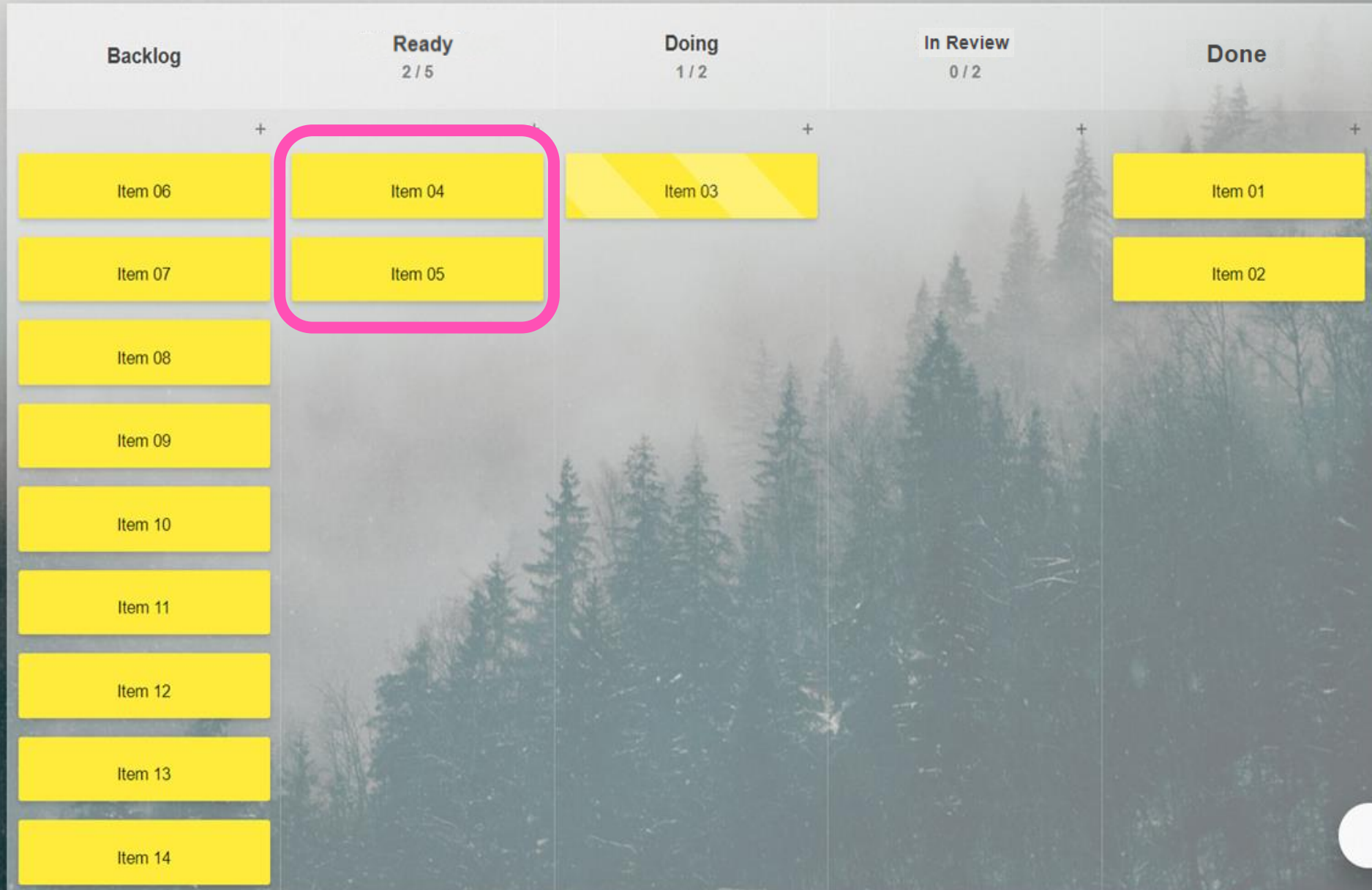


Backlog	Ready 5 / 5	Doing 0 / 2	In Review 0 / 2	Done
+	+	+	+	+
Item 06	Item 01			
Item 07	Item 02			
Item 08	Item 03			
Item 09	Item 04			
Item 10	Item 05			

Reason #03

Support a Continuous Flow

Backlog	Ready 2 / 5	Doing 1 / 2	In Review 0 / 2	Done
+	+	+	+	+
Item 06	Item 04	Item 03		Item 01
Item 07	Item 05			Item 02
Item 08				
Item 09				
Item 10				
Item 11				
Item 12				
Item 13				
Item 14				



Backlog	Ready 5 / 5	Doing 1 / 2	In Review 0 / 2	Done
+	+	+	+	+
Item 09	Item 04	Item 03		Item 01
Item 10	Item 05			Item 02
Item 11	Item 06			
Item 12	Item 07			
Item 13	Item 08			
Item 14				

Scrum

- Timeboxed Sprints
- Sprint Backlog-based work management
- Fixed cadency for holding events

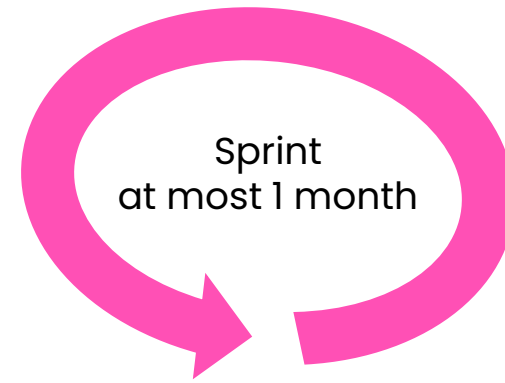
Scrumban

- “Virtual” iterations
- Pull-based work management
- Events held when needed

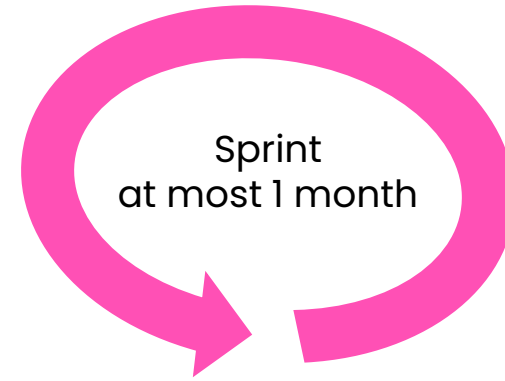
SCRUMBAN FLOW

MAIN ASPECTS

Scrum



Scrum



Kanban



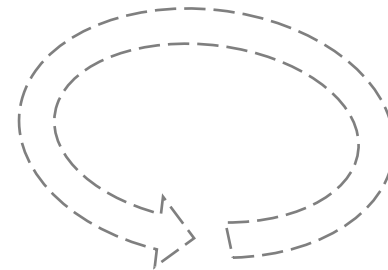
Scrum



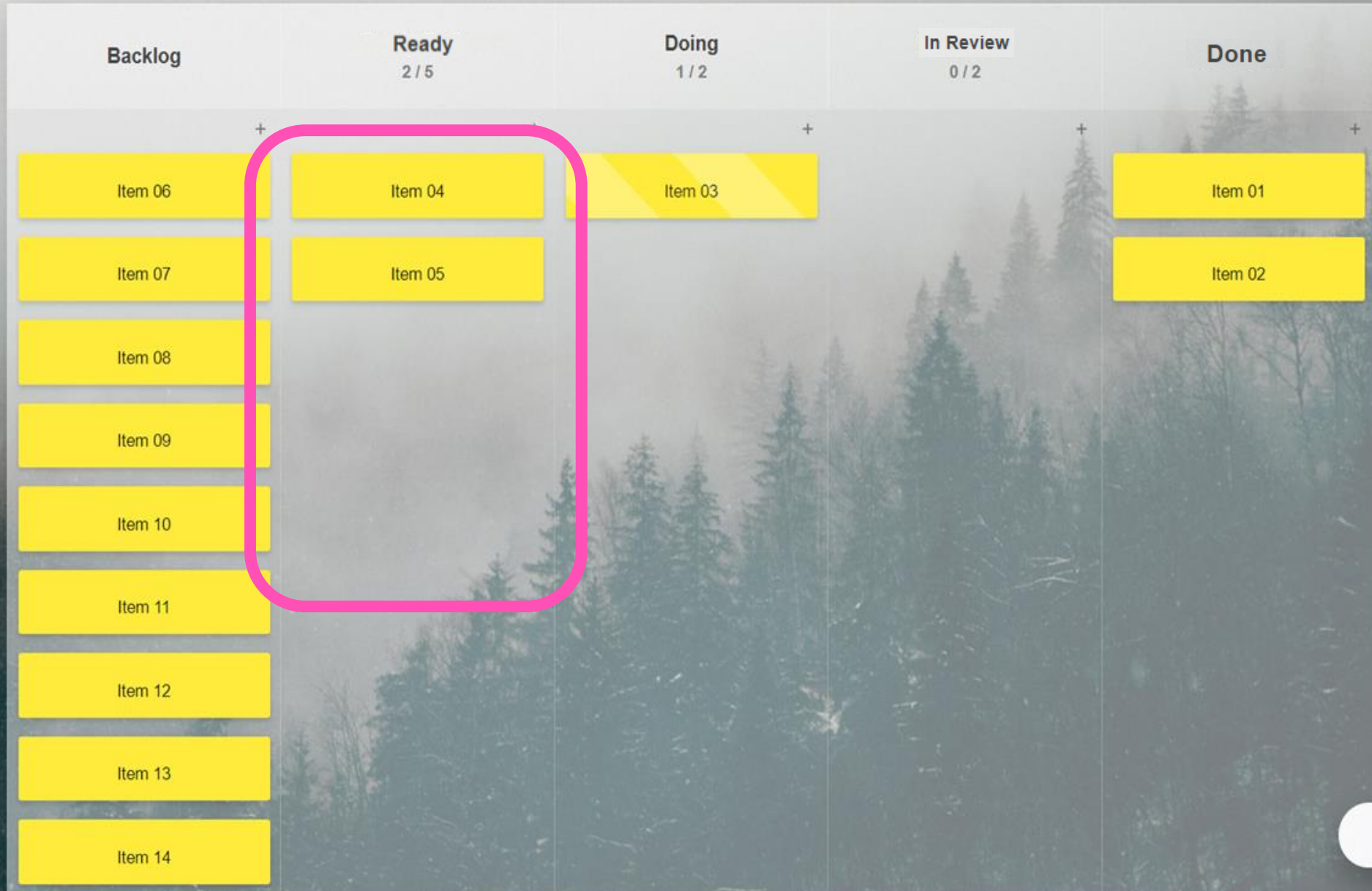
Kanban



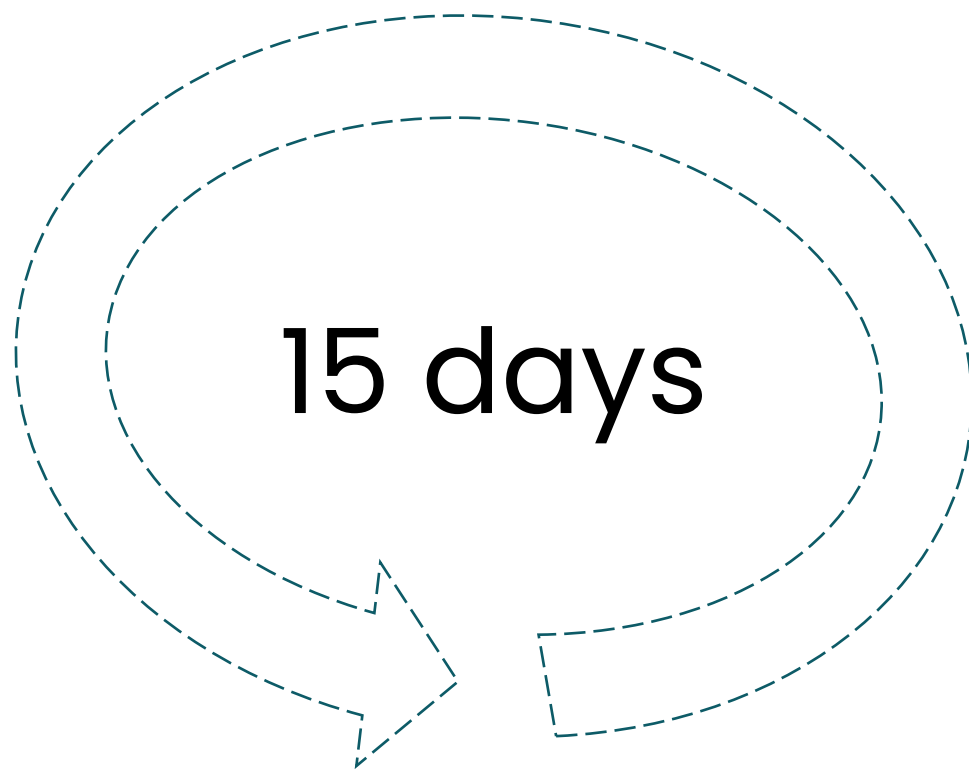
Scrumban



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+	+	+	+	+
Item 06	Item 01			
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Item 10	Item 05			



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+	+	+	+	+
Item 06	Item 04	Item 03		Item 01
Item 07	Item 05			Item 02
Item 08				
Item 09				
Item 10				
Item 11				
Item 12				
Item 13				
Item 14				



KANBAN BOARD

FOCUSING ON THE FLOW

Do	Doing	Done
+	+	+
Soft Skills: Which is the most important?	How to be an inspirational leader?	Building High Performance Teams
How to be a good leader	Project management in small teams	Writing a S.M.A.R.T goal
The Secret to Teamwork		How to lead bigger teams?
How to Set a Good Goal		How to Keep Your Team Focused
Project Management 80/20		
3 Steps to Powerful Communication		
How to Give Your Team Feedback		
5 steps to doubling your team's capacity		

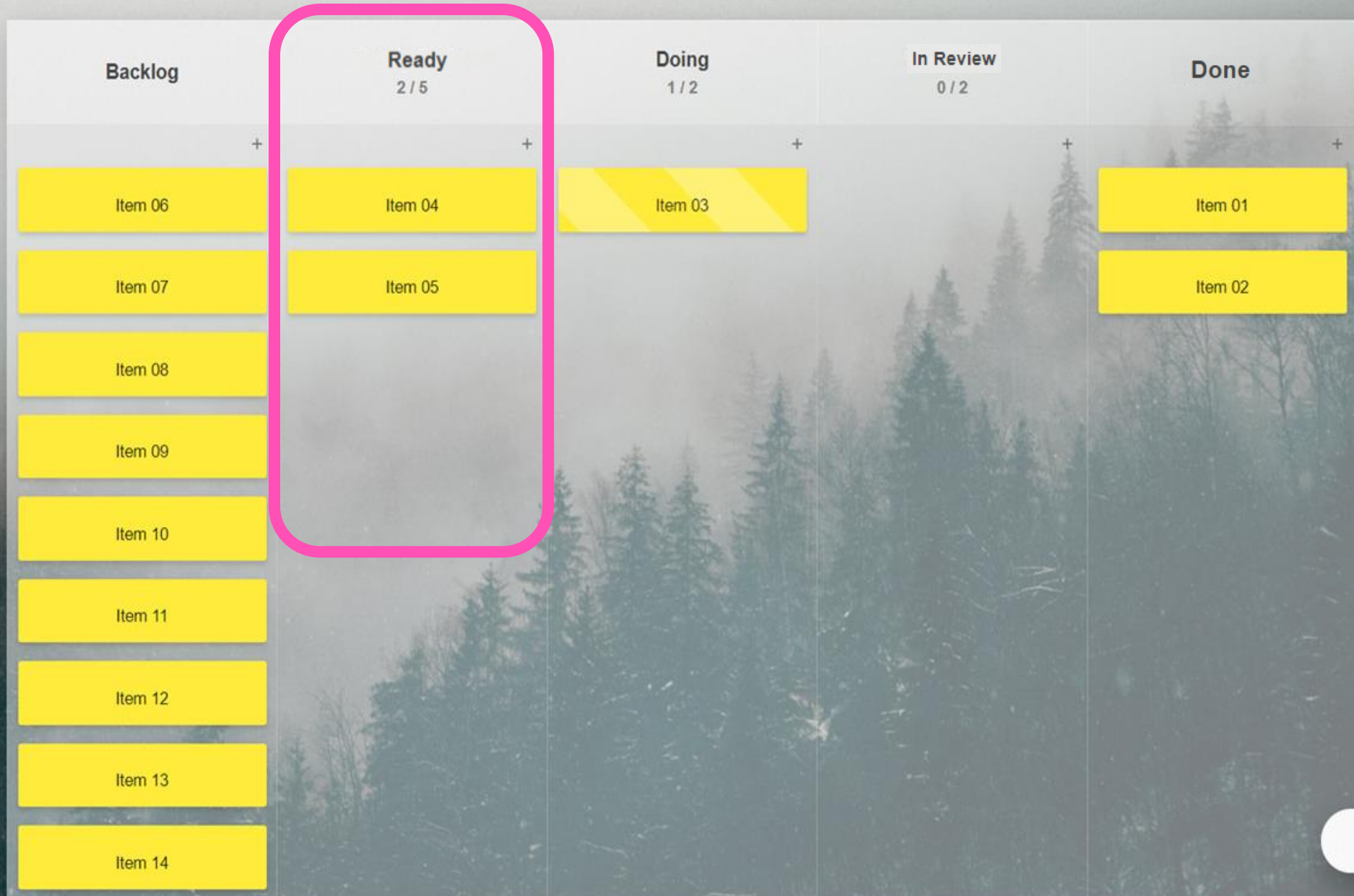
Backlog	Write 2 / 2	Review 1 / 2	Publish 2 / 2	Done
+	+	+	+	+
Soft Skills: Which is the most important?	How to be an inspirational leader?	Project management in small teams	Writing a S.M.A.R.T goal	Empathy: The Key to Happiness
The Secret to Teamwork	How to Set a Good Goal		Building High Performance Teams	How to increase team productivity
How to lead bigger teams?				How to Give Feedback to Your Team
3 steps to overcome shyness				Moving from Shyness to Leadership
5 steps to doubling your team's capacity				
How to Have a Focused Team				
3 Steps to Powerful Communication				
Project Management 80/20				

Backlog	Review 0/2	Write 2/2	Review 1/2	Publish 2/2	Done
<div>Soft Skills: Which is the most important?</div> <div>The Secret to Teamwork</div> <div>How to lead bigger teams</div> <div>3 steps to overcome shyness</div> <div>5 steps to doubling your capacity</div> <div>How to Have a Focus</div> <div>3 Steps to Powerful Communication</div> <div>Project Management</div>		<div>How to be an inspirational leader?</div> <div>How to Set a Good Goal</div>	<div>Project management in small teams</div>	<div>Writing a S.M.A.R.T goal</div> <div>Building High Performance Teams</div>	<div>Empathy: The Key to Happiness</div> <div>How to increase team productivity</div> <div>How to Give Feedback to Your Team</div> <div>Moving from Shyness to Leadership</div>

SCRUMBAN

LIMITING WIP

Backlog	Ready 2 / 5	Doing 1 / 2	In Review 0 / 2	Done
+	+	+	+	+
Item 06	Item 04	Item 03		Item 01
Item 07	Item 05			Item 02
Item 08				
Item 09				
Item 10				
Item 11				
Item 12				
Item 13				
Item 14				



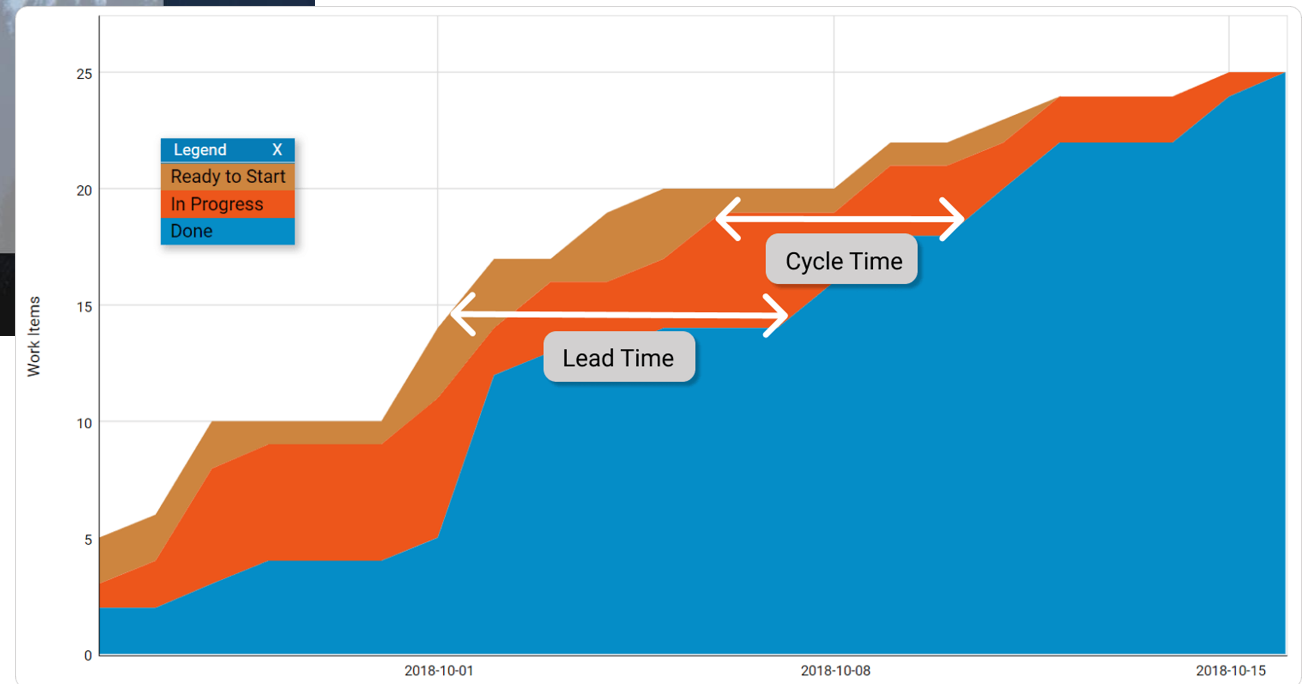
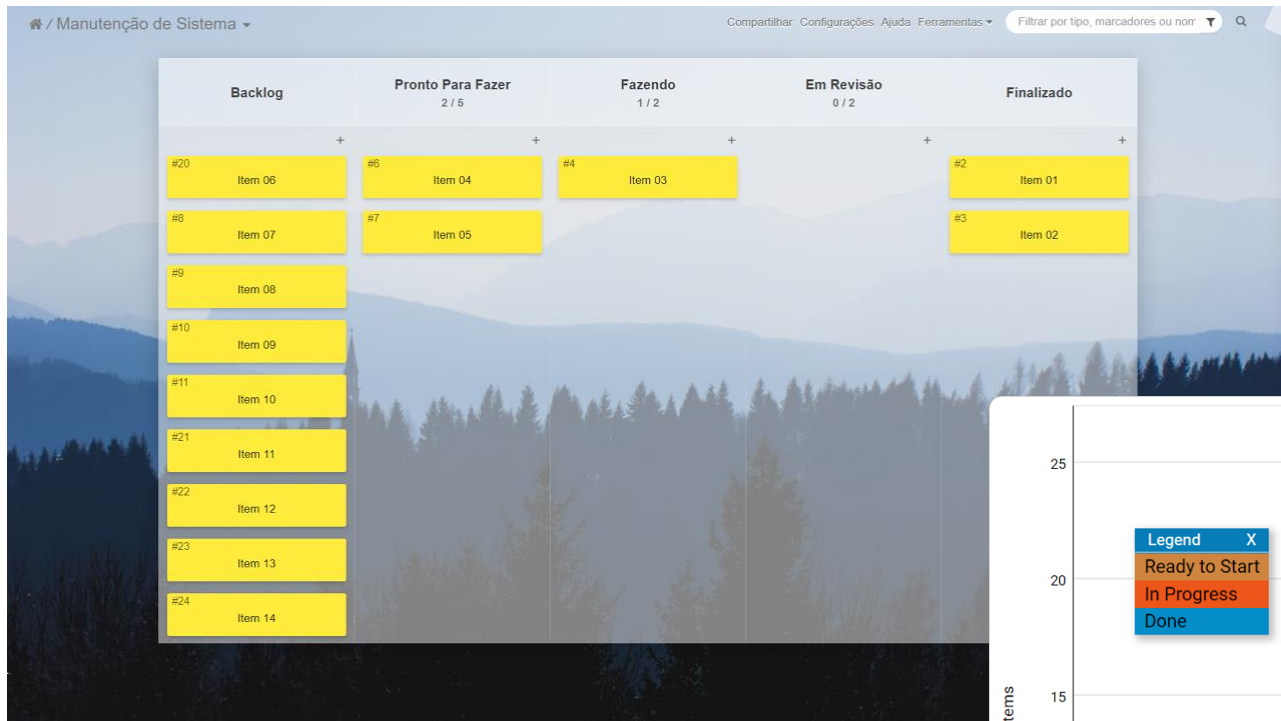
SCRUMBAN

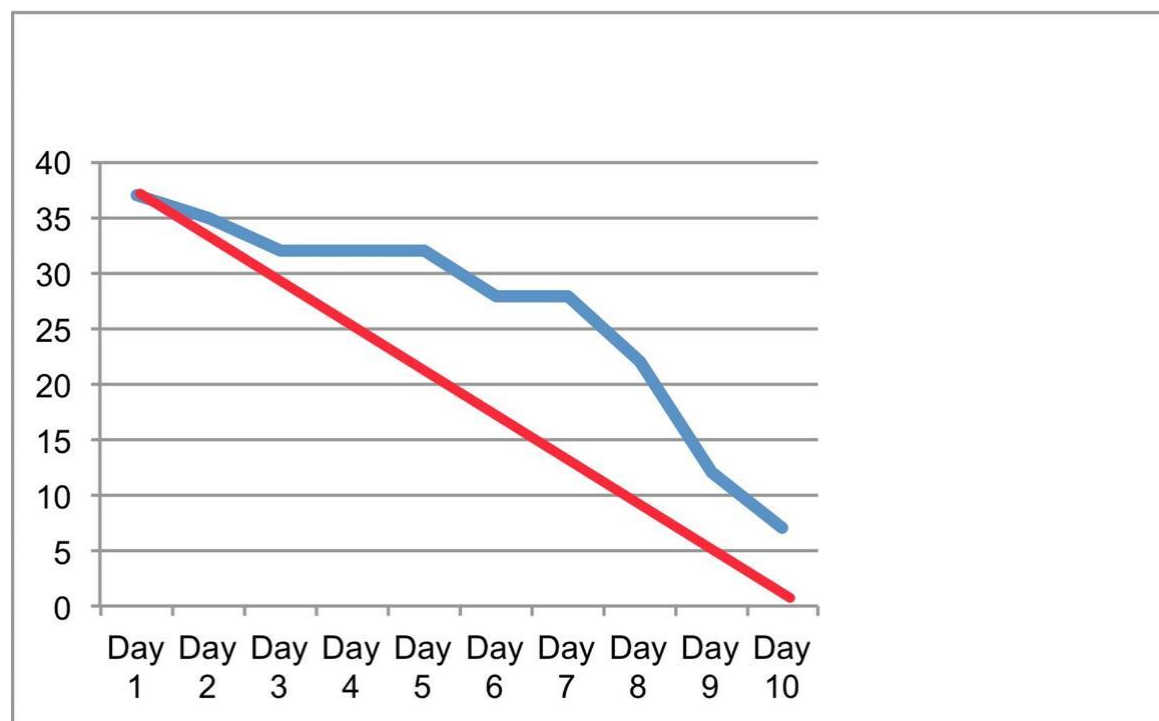
DAILY MEETING

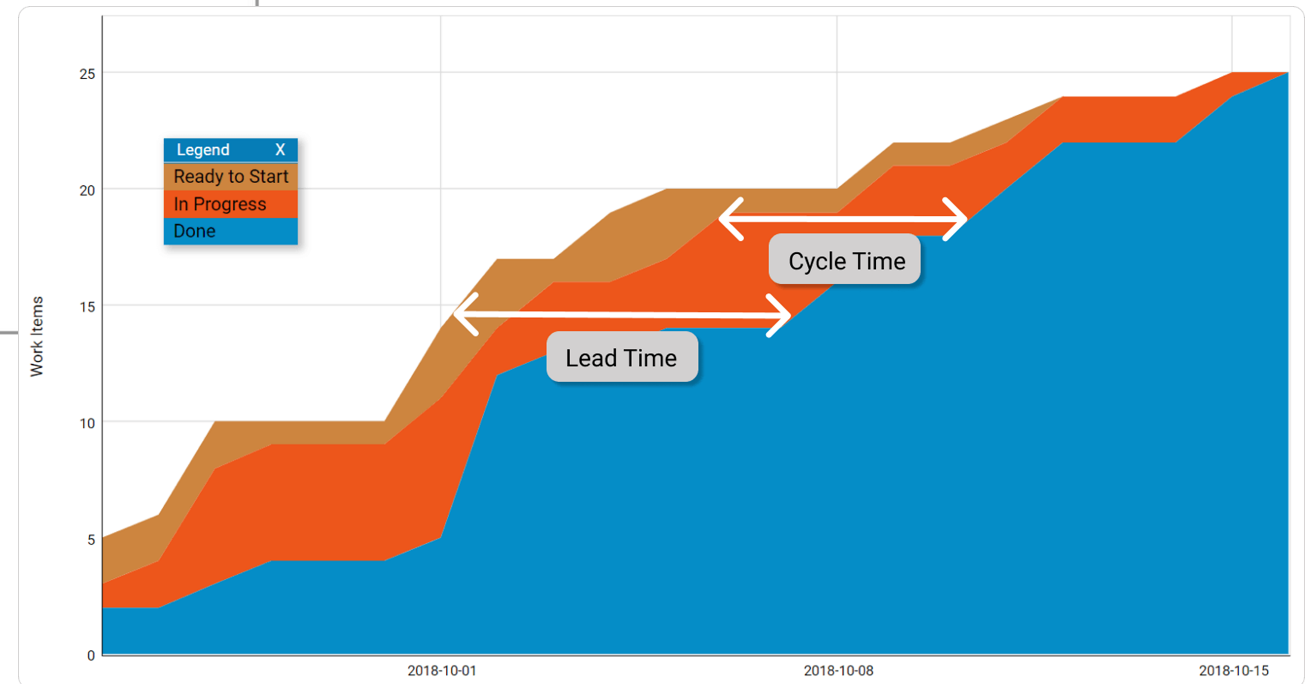
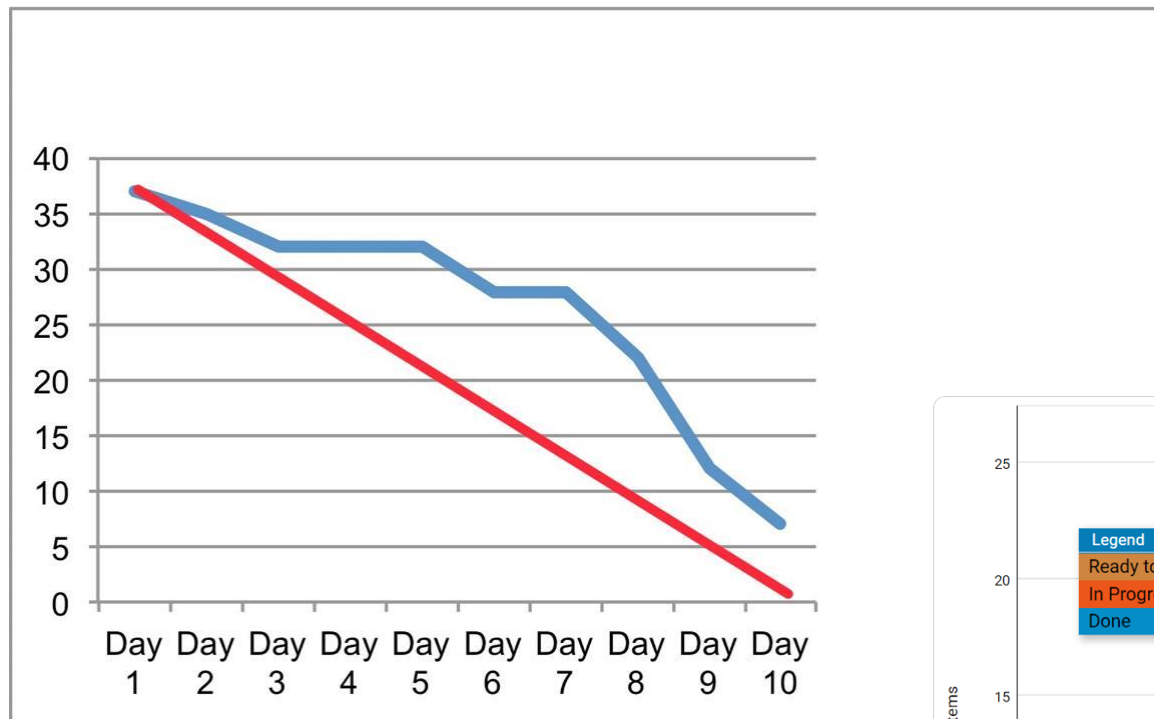


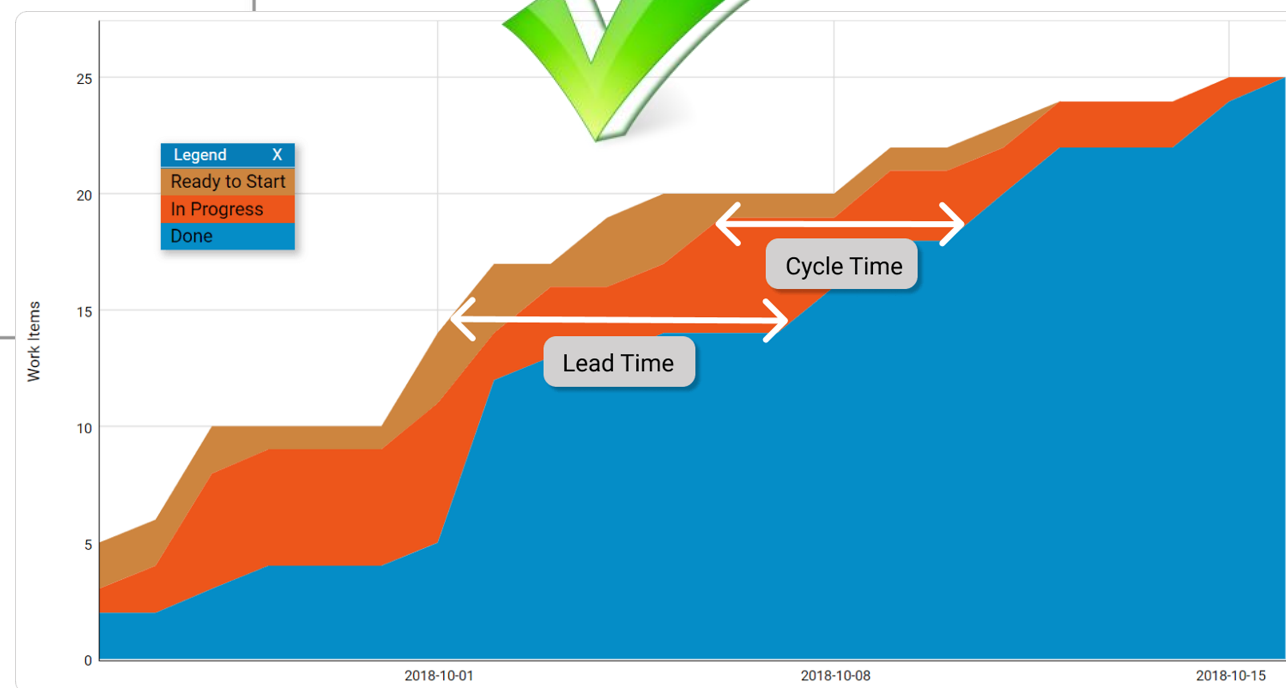
Sprint Date	Issues Created	Issues Completed	Issues At Risk
1/7	25	12	6
1/14	39	12	10
1/21	42	12	1

Active Items		
Item	Who	Status
Item 1	John	Open
Item 2	Jane	In Progress
Item 3	Mike	Open
Item 4	Sarah	In Progress
Item 5	David	Open
Item 6	Emily	In Progress
Item 7	Chris	Open
Item 8	Alex	In Progress
Item 9	Ben	Open
Item 10	Grace	In Progress









SCRUMBAN

REVIEW & RETROSPECTIVE

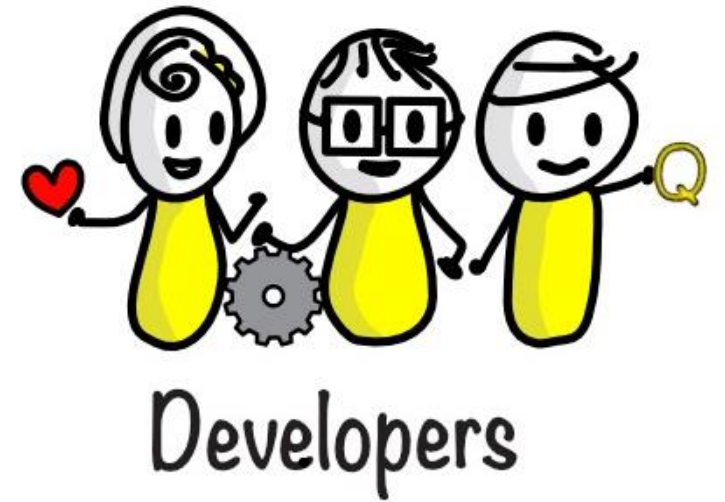




SCRUMBAN

ACCOUNTABILITIES

Scrum Team





SCRUM x KANBAN x SCRUMBAN

	Scrum	Kanban	Scrumban
Team size			
Accountabilities			
Work Cycles			
Planning			
Work item Size			
Work Management			
Board			
Work Limits			
Changes			
Events			

	Scrum	Kanban	Scrumban
Team size	Typically, 10 or fewer	Undefined	Undefined
Accountabilities			
Work Cycles			
Planning			
Work item Size			
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Board			
Work Limits			
Changes			
Events			

	Scrum	
Team size	Typically, 10 or fewer	
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The Nexus™ Guide

The Definitive Guide to Scaling Scrum with Nexus

January 2021

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Board			
Work Limits			
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Work Limits			
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Changes			
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Events			

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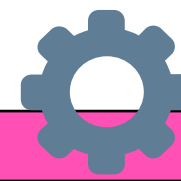
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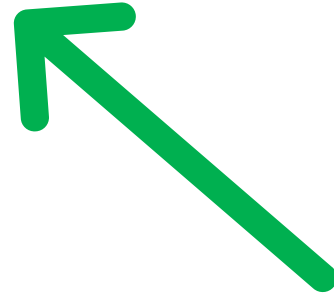


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Work Management	Sprint Backlog-based	Pull-based	Pull-based, from the “Ready” column
Board	Reset after each Sprint	Persistent	Persistent
Work Limits	Sprint length	WIP limits	WIP limits
Changes	Allowed if it doesn’t endanger the Sprint Goal. If endangers, wait for next Sprint or cancel the current Sprint.	Anytime	Anytime
Events	Daily Scrum, Sprint Planning, Sprint Review, Sprint Retrospective. Mandatory with fixed cadency.	Undefined	Daily Meeting, Planning, Review, Retrospective. Optional and on-demand.



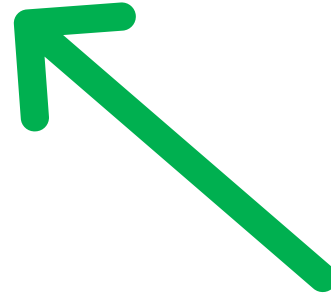
	Scrum	Kanban	Scrumban
Team size	Typically, 10 or fewer	Undefined	Undefined
Accountabilities	Product Owner, Scrum Master, Developer	Undefined	Undefined
Work Cycles	One month or less Sprints	Continuous Flow	Iterations of up to 2 weeks, but with continuity
Planning	At the start of each Sprint	Undefined	On-demand, also within iterations
Work item Size	Limited to a Sprint	Unlimited	Unlimited
Work Management	Sprint Backlog-based	Pull-based	Pull-based, from the “Ready” column
Board	Reset after each Sprint	Persistent	Persistent
Work Limits	Sprint length	WIP limits	WIP limits
Changes	Allowed if it doesn’t endanger the Sprint Goal. If endangers, wait for next Sprint or cancel the current Sprint.	Anytime	Anytime
Events	Daily Scrum, Sprint Planning, Sprint Review, Sprint Retrospective. Mandatory with fixed cadency.	Undefined	Daily Meeting, Planning, Review, Retrospective. Optional and on-demand.

Kanban

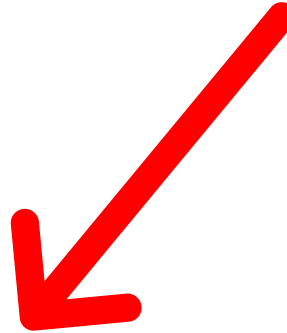


Scrumban

Kanban

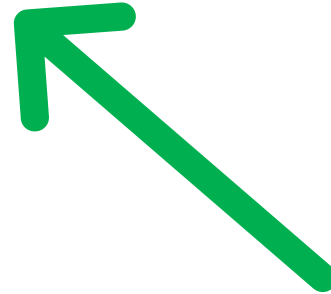


Scrumban



Scrum

Kanban



Scrumban



adds flexibility

Scrum

Kanban

adds structure

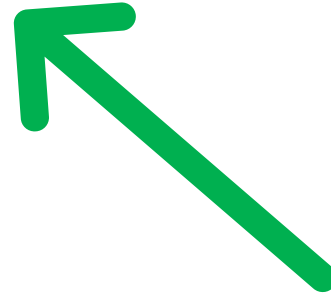
Scrumban

adds flexibility

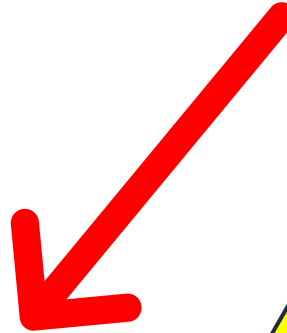
Scrum



Kanban



Scrumban



Scrum

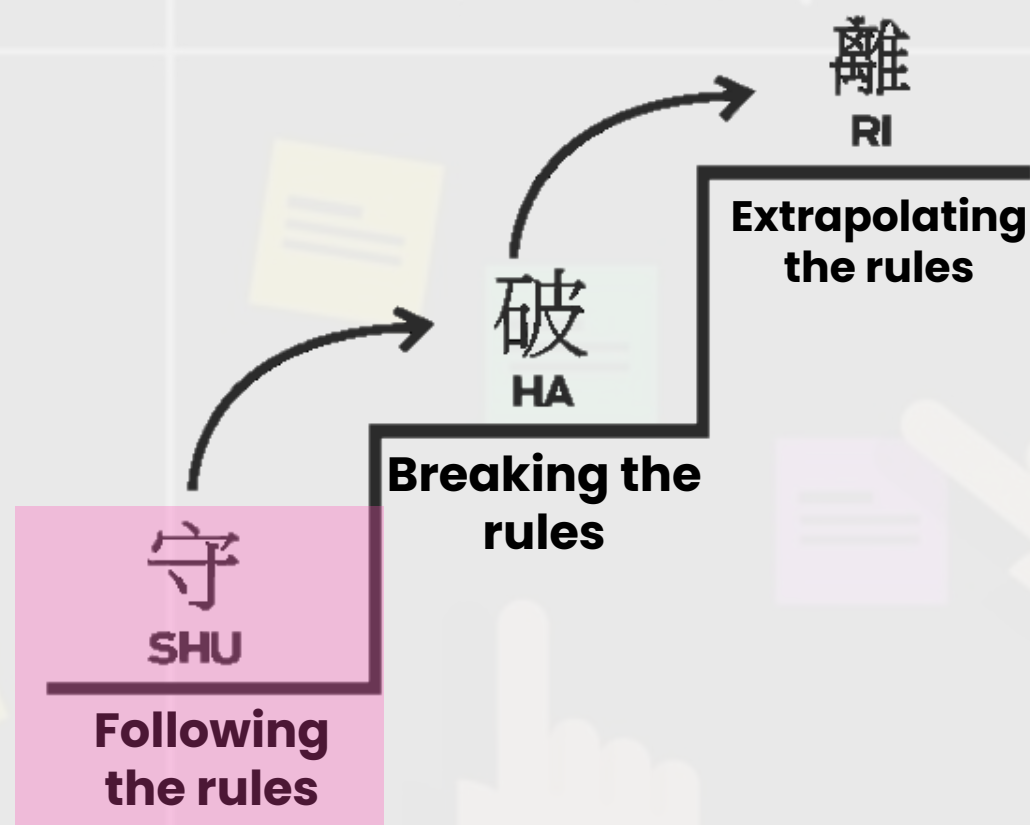


SHU-HA-RI

TO DO

DOING

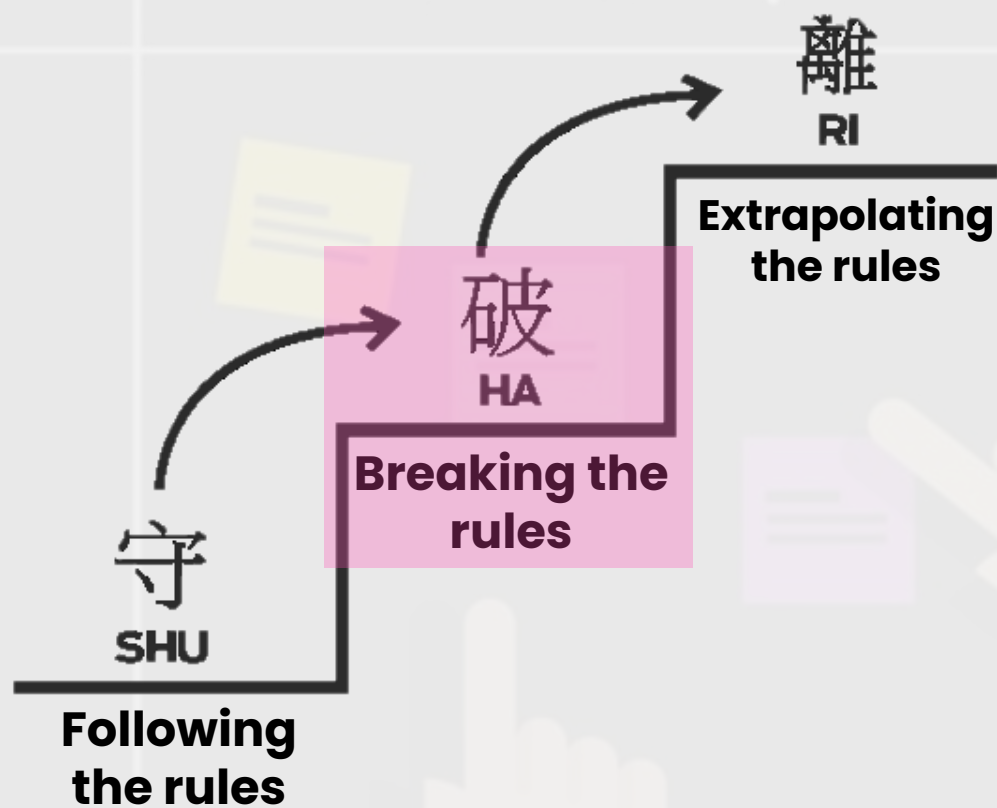
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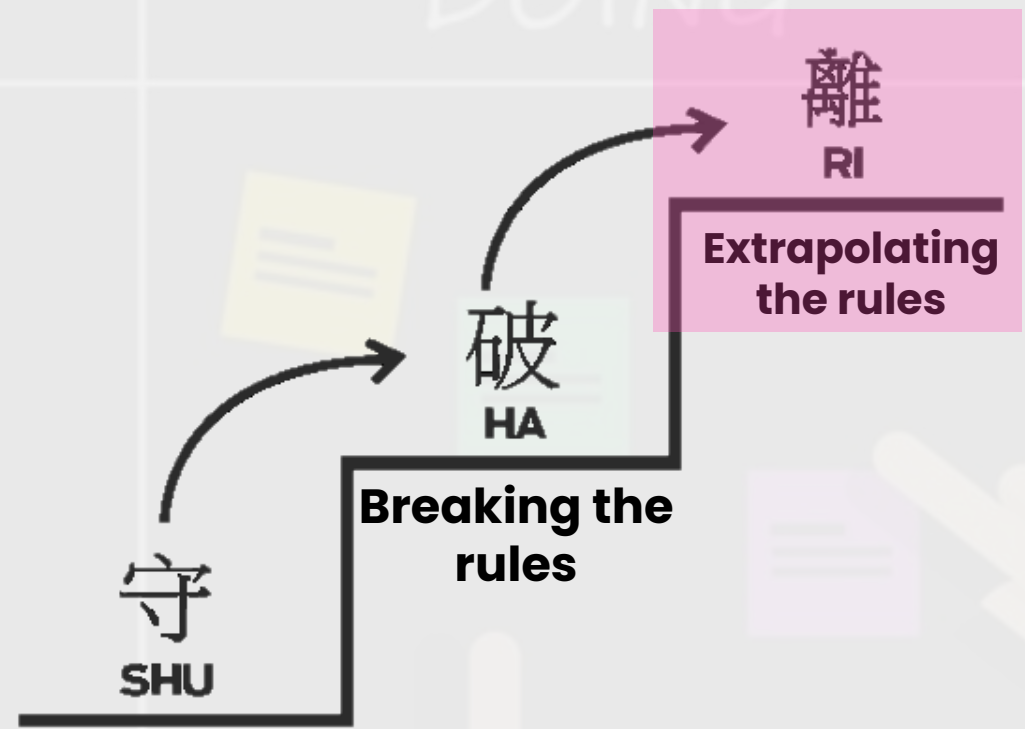
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TO DO

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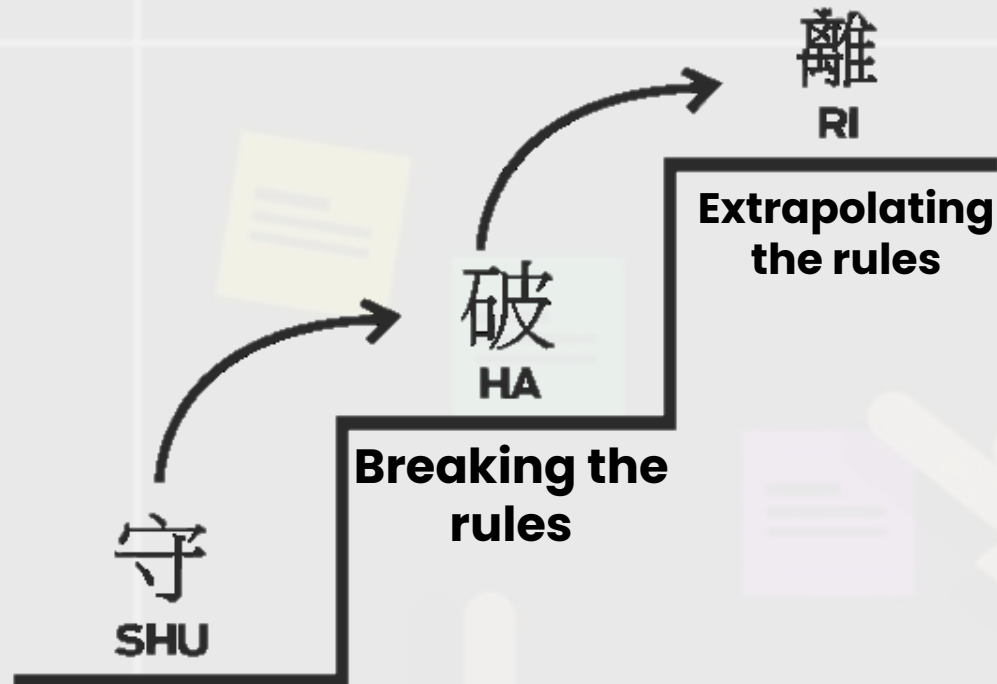
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TO DO

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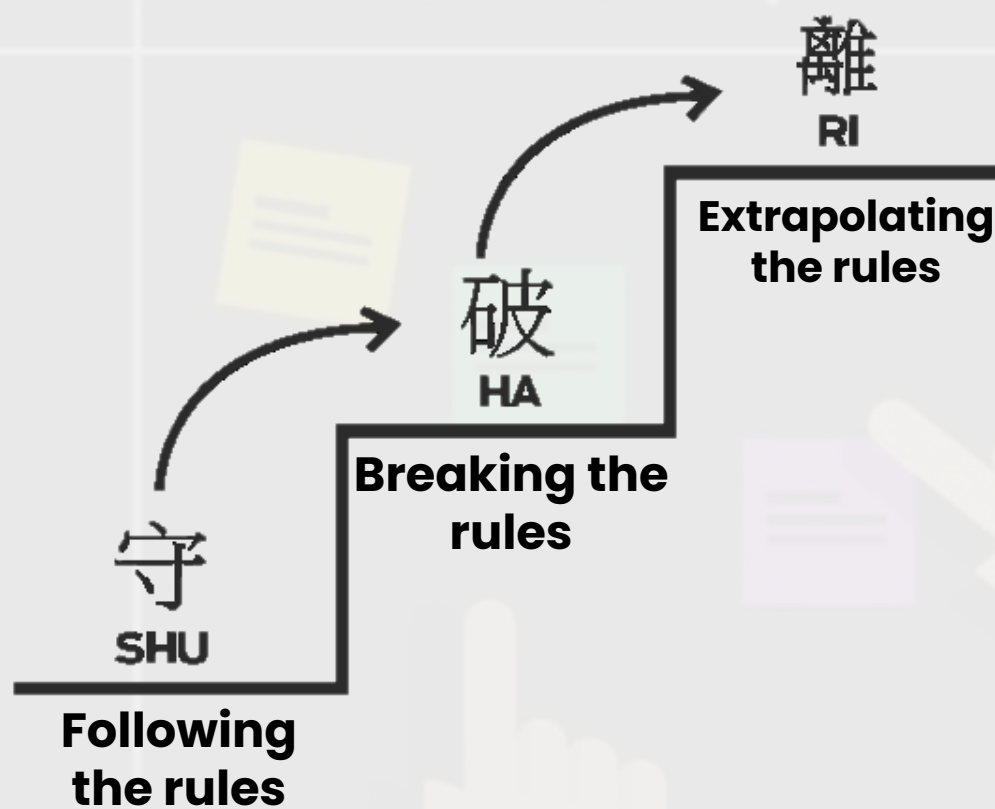


Scrum

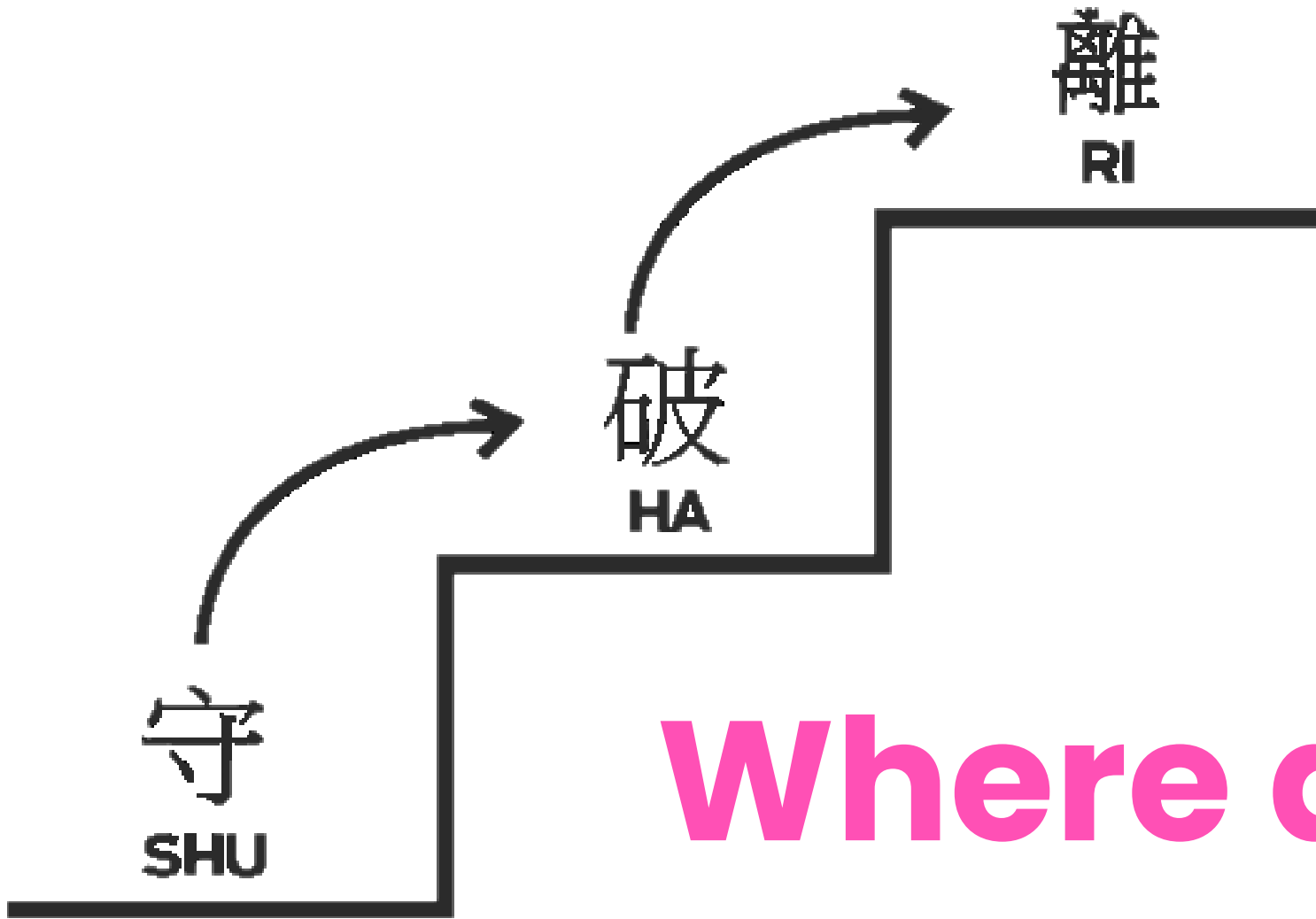
TO DO

DOING

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Scrumban



Where are you?