

Five Steps to Kanban

Software East - @sweast - #sweast
Karl Scotland - @kjscotland



看板

visual card



Card



Board



System

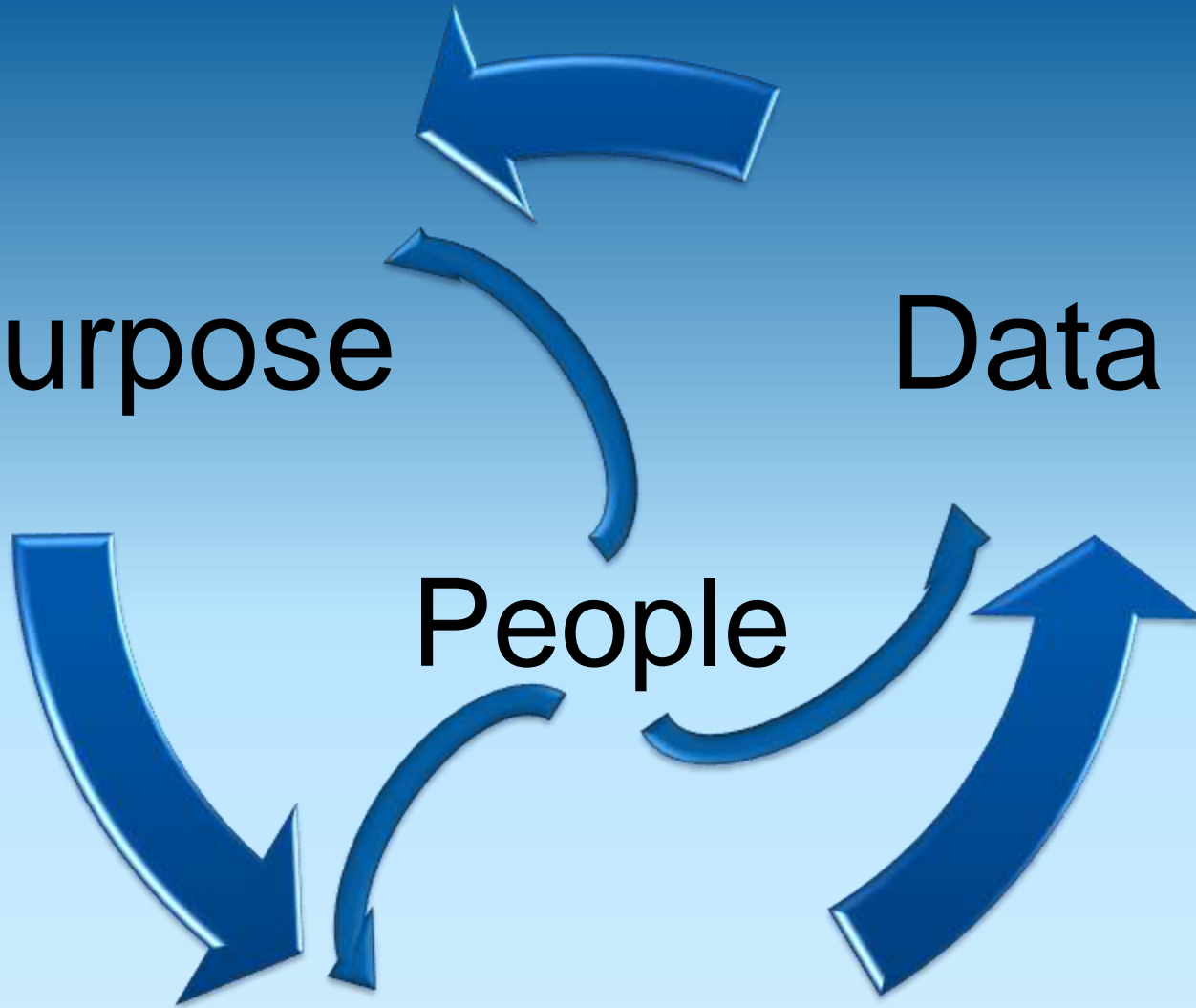


Purpose

Data

People

Process





Map the Value Stream



Visualise the Value Stream



Limit Work in Progress



Establish a Cadence



Reduce the Kanban Tokens

Map the Value Stream











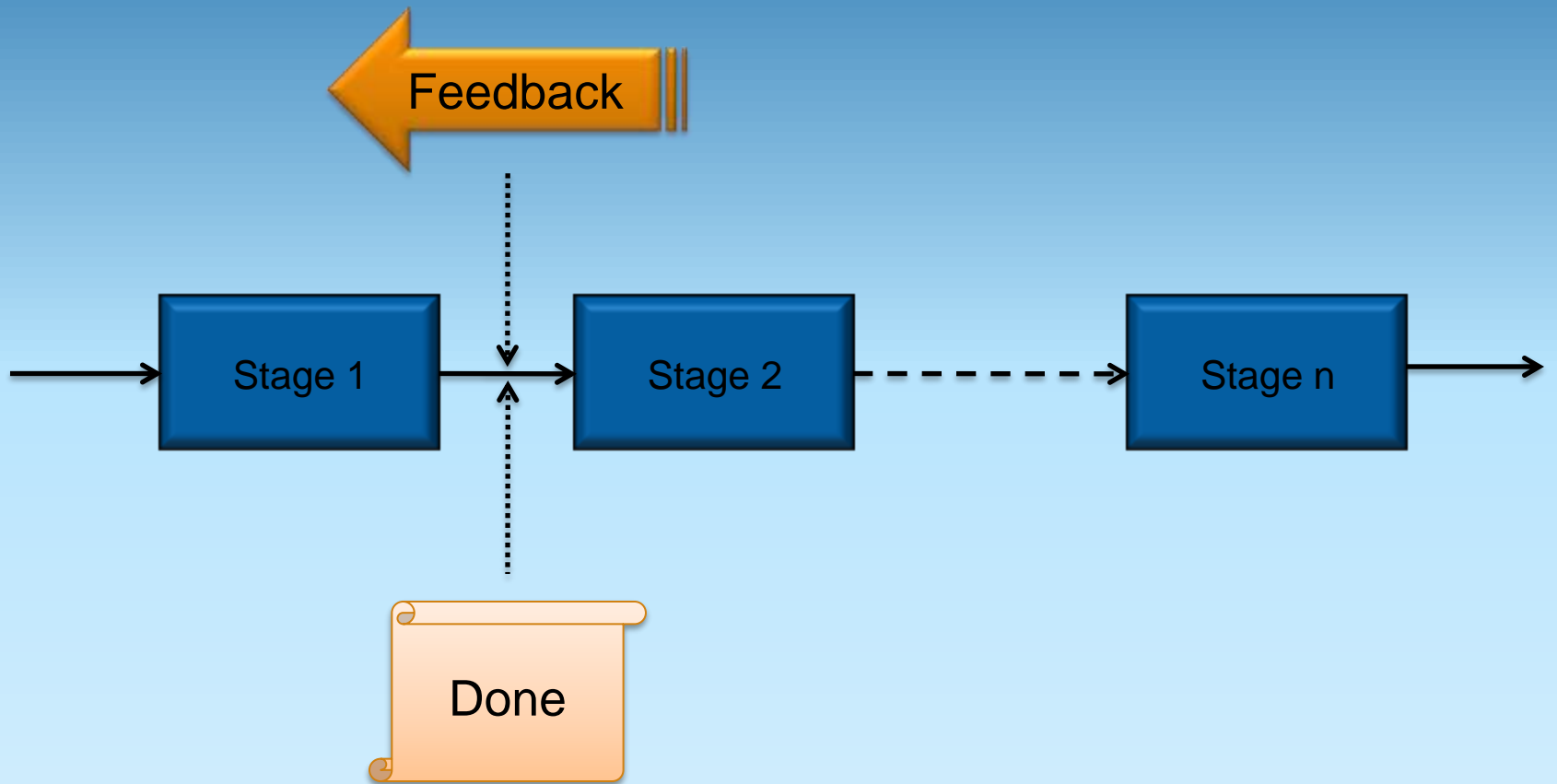
Queues



Batches



Waste



Backlog Item



Is one of

Feature

0,1

Realized by

1..*

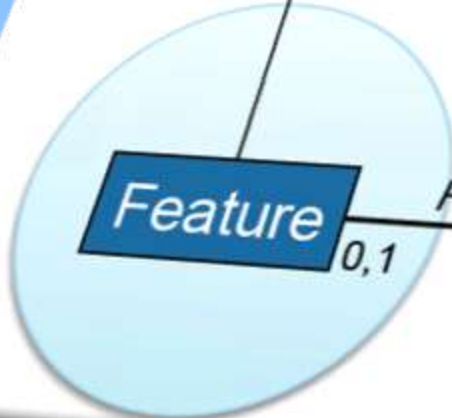
Story

Implemented by

1

1..*

Task





Visualise the Value Stream





229

253

23
25

257

603

12
19

92

72

12
17

20
25

12
20

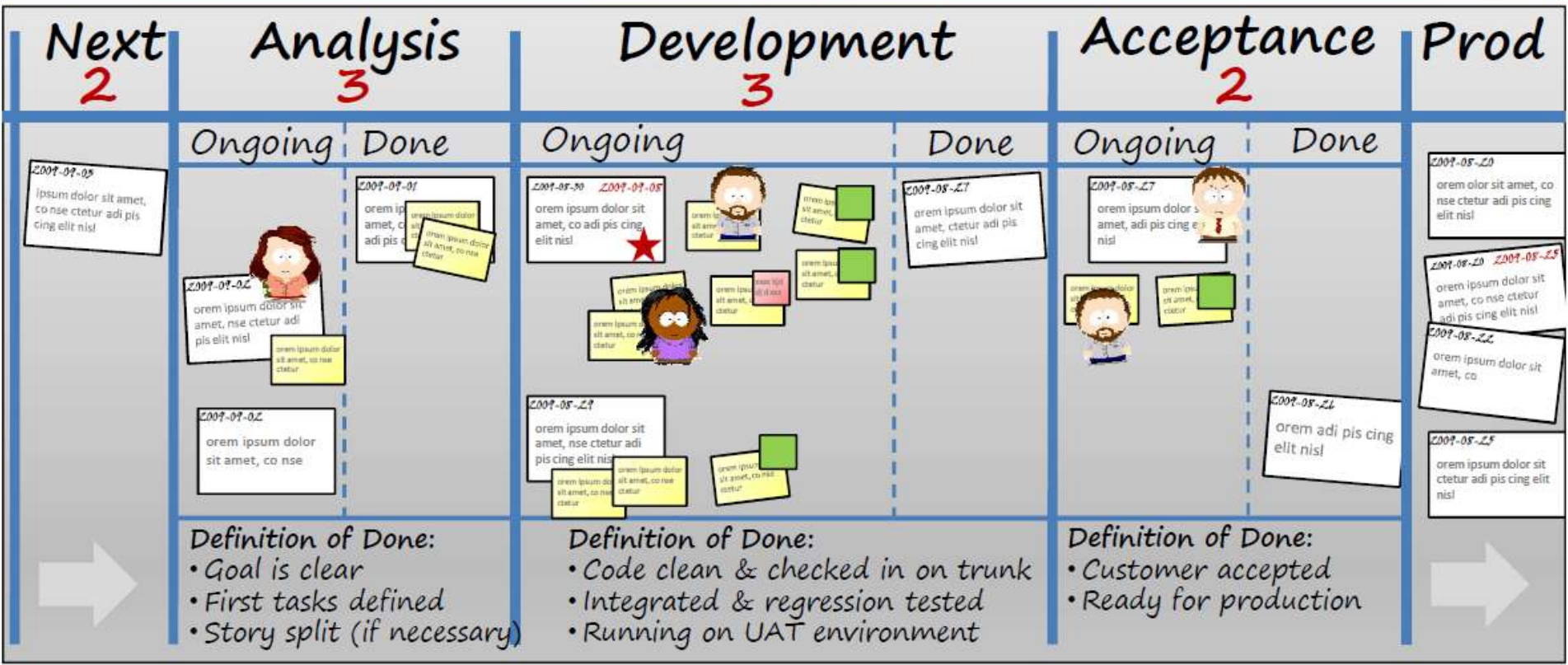
Y HEAD

HASTINGS

DUNGENESS

H60
30+

H03
50+



Feature / story

Date when added to board

Hard deadline (if applicable)

★ = priority

★★ = expedite

Who is analyzing / testing right now

2009-08-20 2009-09-30

(description) ★

Task / defect

(description) = task or defect

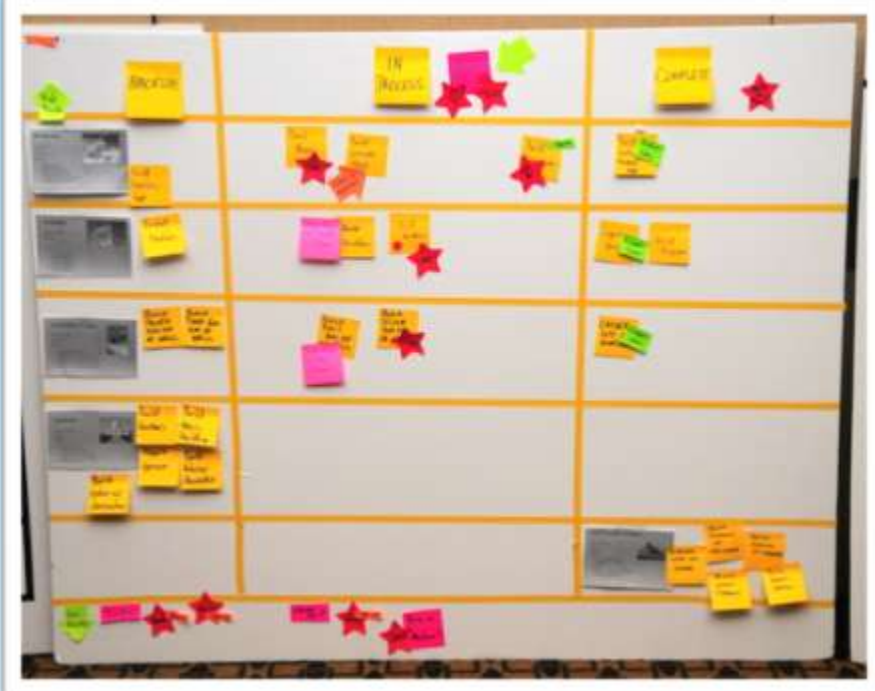
(description) = completed

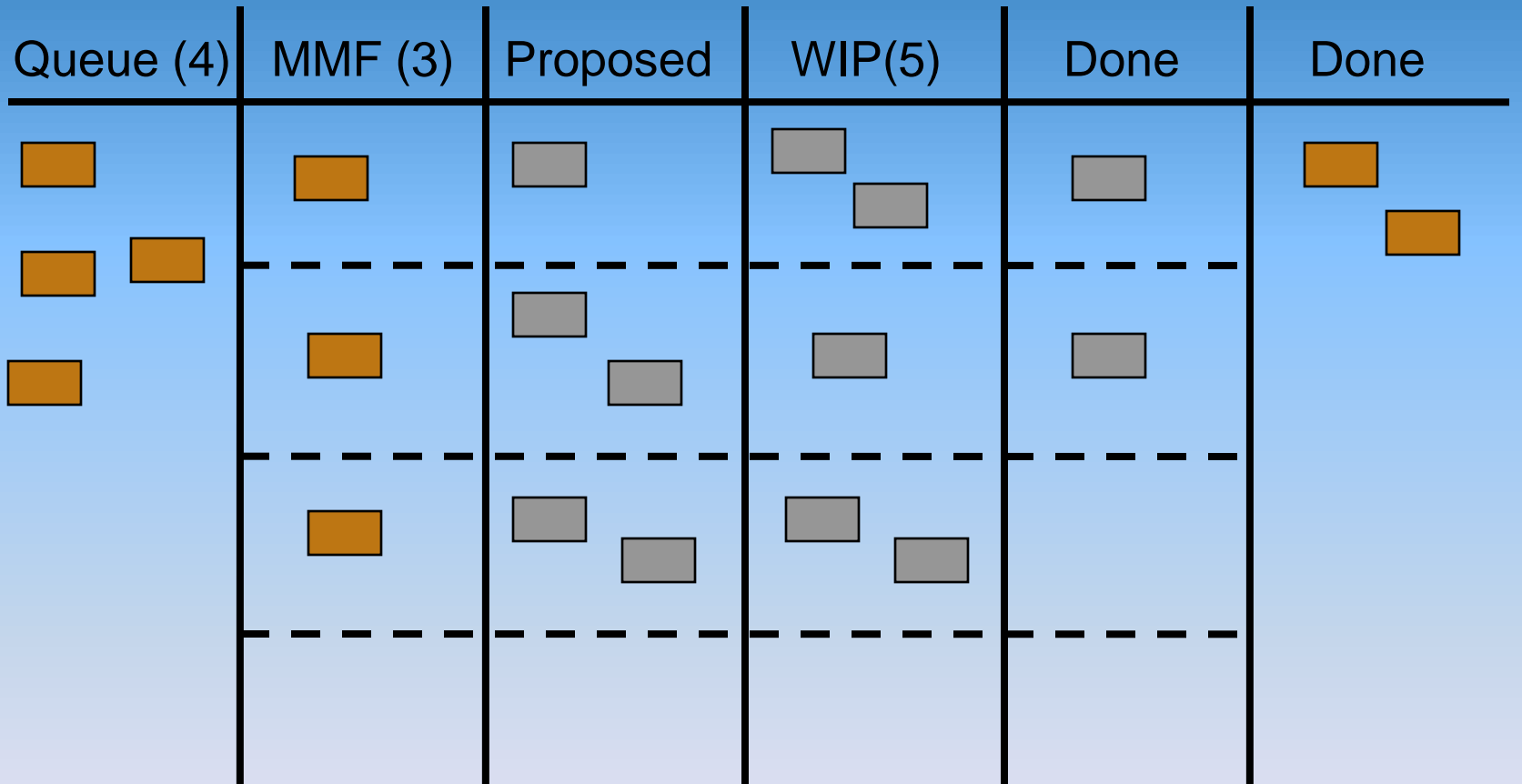
(description) Why = blocked

(description) = who is doing this right now

What to pull first

1. Expedite features ★★ (should be swarmed and kept moving. Interrupt other work and break WIP limits as necessary)
2. Priority features ★
3. Hard deadline features (only if deadline is at risk)
4. Oldest features





MMF
 User Story





Set Work In Progress Limits



PUSH

PULL

プル・システム (Pull System)

TPSの基本: お客様(次工程)の引きによる作業(運搬、生産)

一般的なビジネスプロセス : Push Process

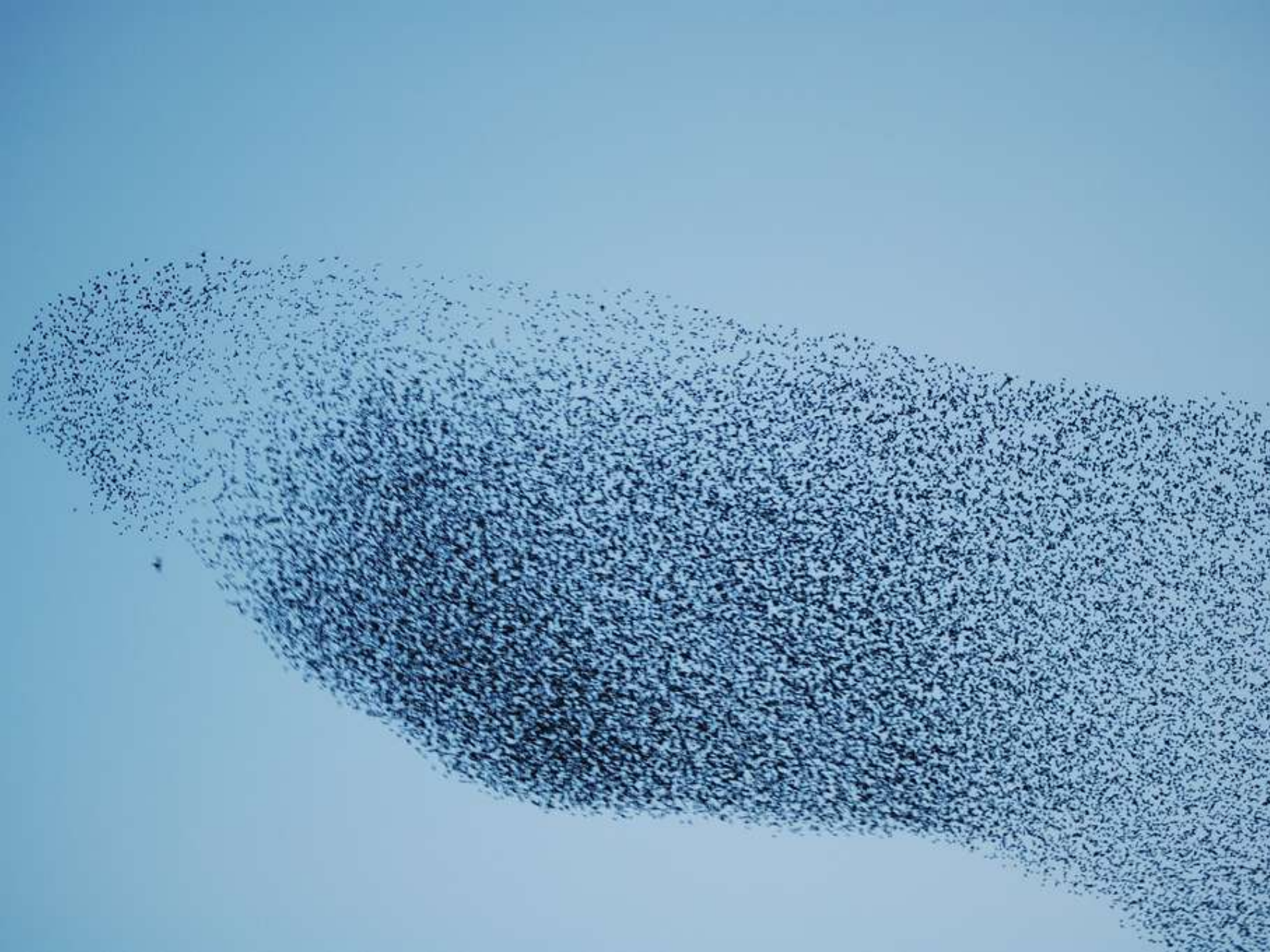


トヨタ生産方式(TPS) : Pull Process

ボトルネックを無くす
仕事に流れをつくる
作業場所を小さくできる
品質は向上する

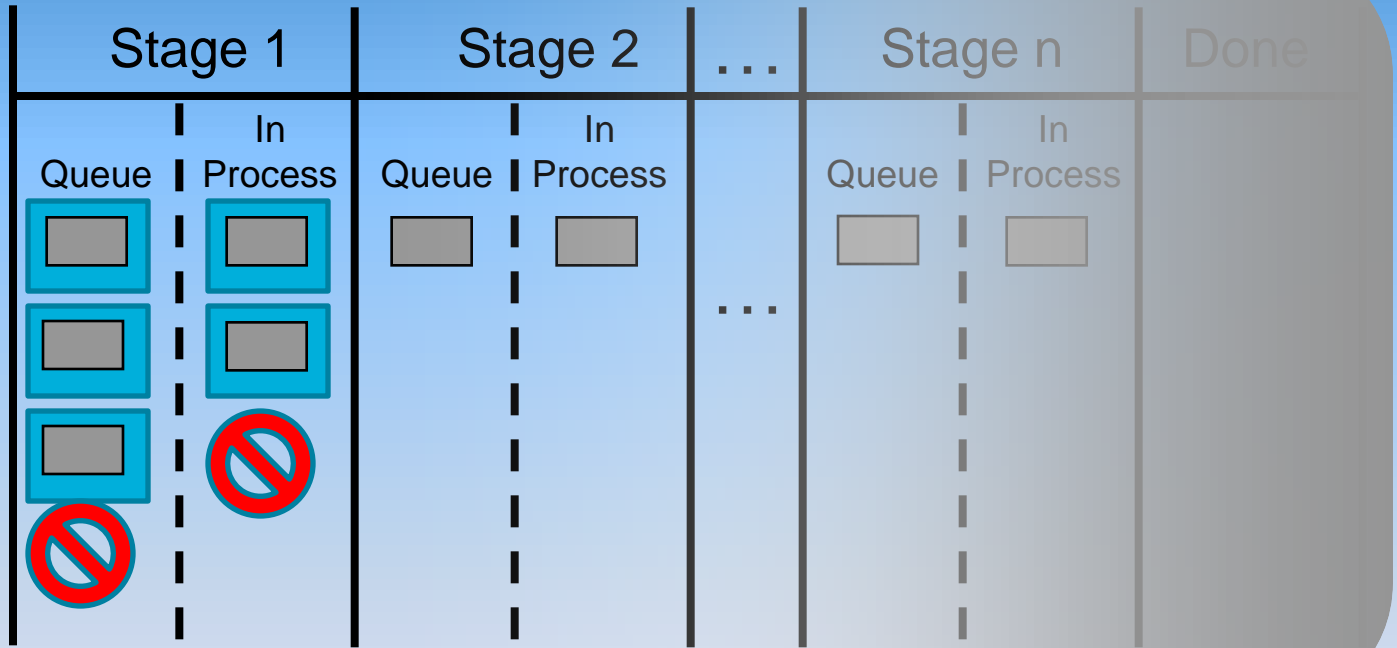
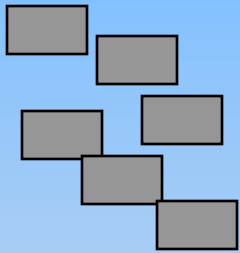








Work Items







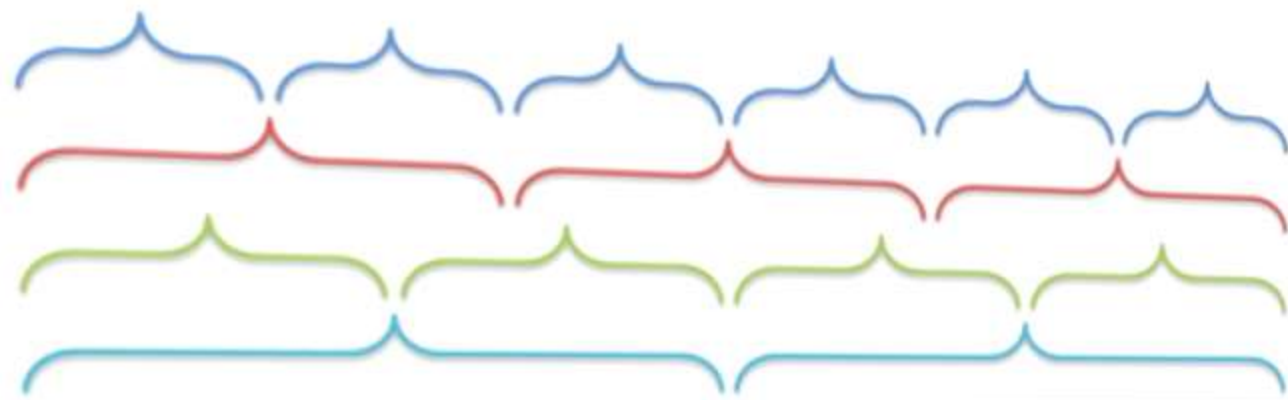
Establish a Cadence

60	Larghetto	63
66	Andante	
	Andantino	69
72		
	Sostenuto	76
80	Comodo	
	Maestoso	84
88	Moderato	
		92
96		
		100
104		
	Allegretto	108
112		
		116
120	Animato	
		126
132	Allegro	
		138









- Planning
- Reviewing
- Retrospection
- Releasing

MMFs



MMF2



30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

37 38 39 40 41 42 43 44 45

46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

61 62 63 64 65 66 67 68 69 70 71 72 73 74 75

76 77 78 79 80 81 82 83 84 85 86 87 88 89 90

91 92 93 94 95 96 97 98 99 100









PRIVATE





OLD STREET





Reduce the Kanban Tokens



F
I
R
S
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F
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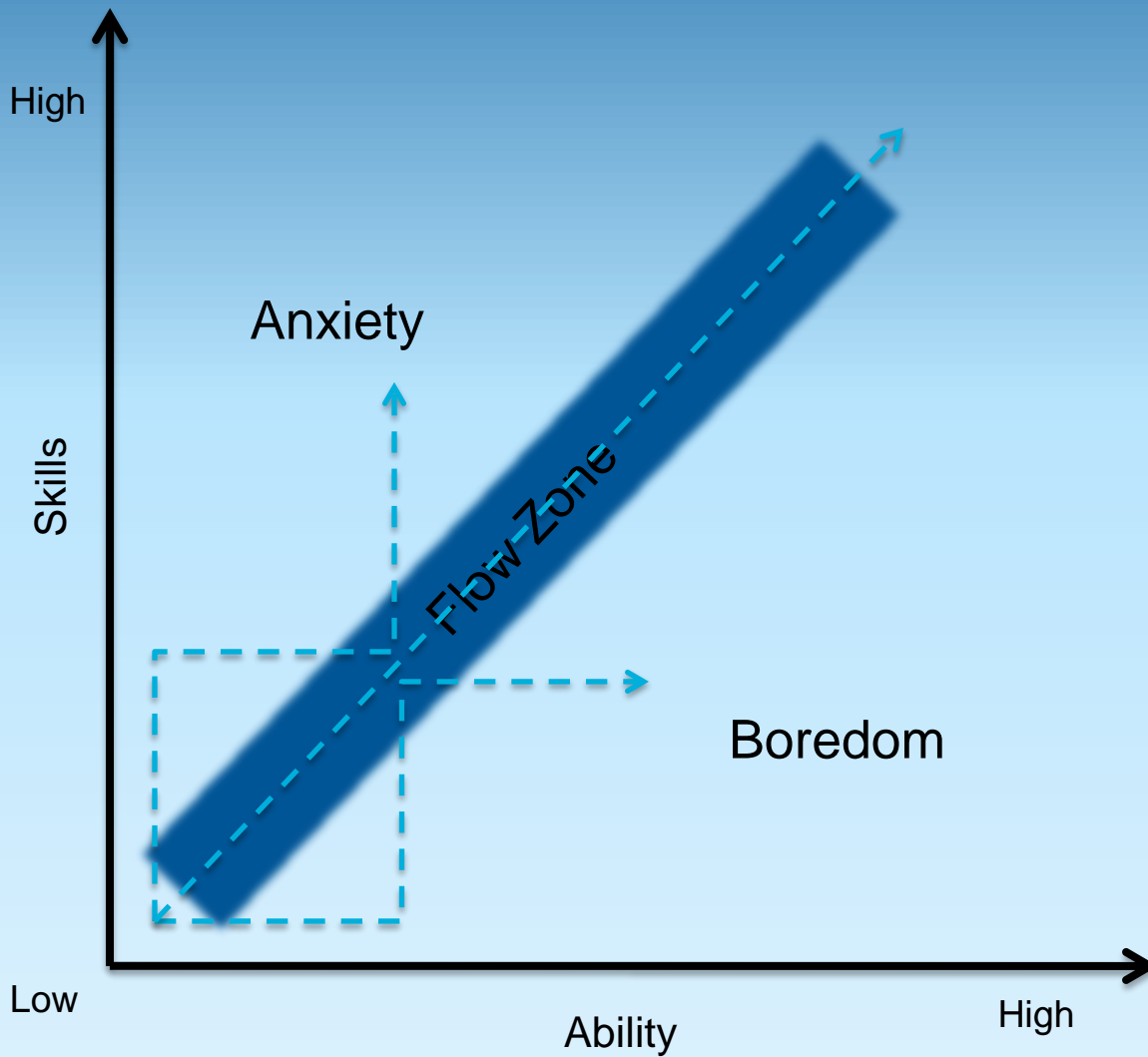
F
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Mihalyi Csikszentmihalyi,
Flow: The Psychology of Optimal Experience

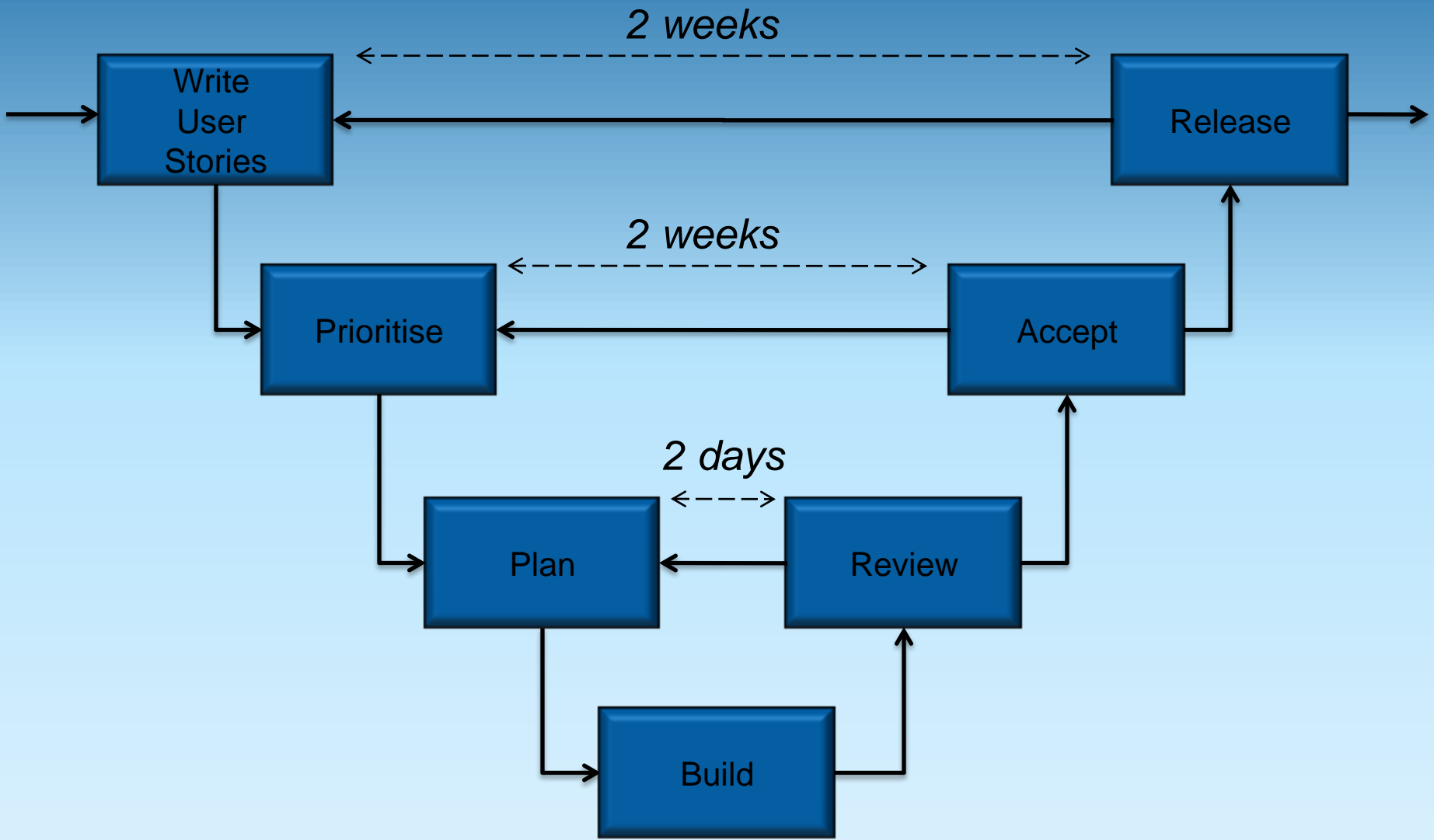




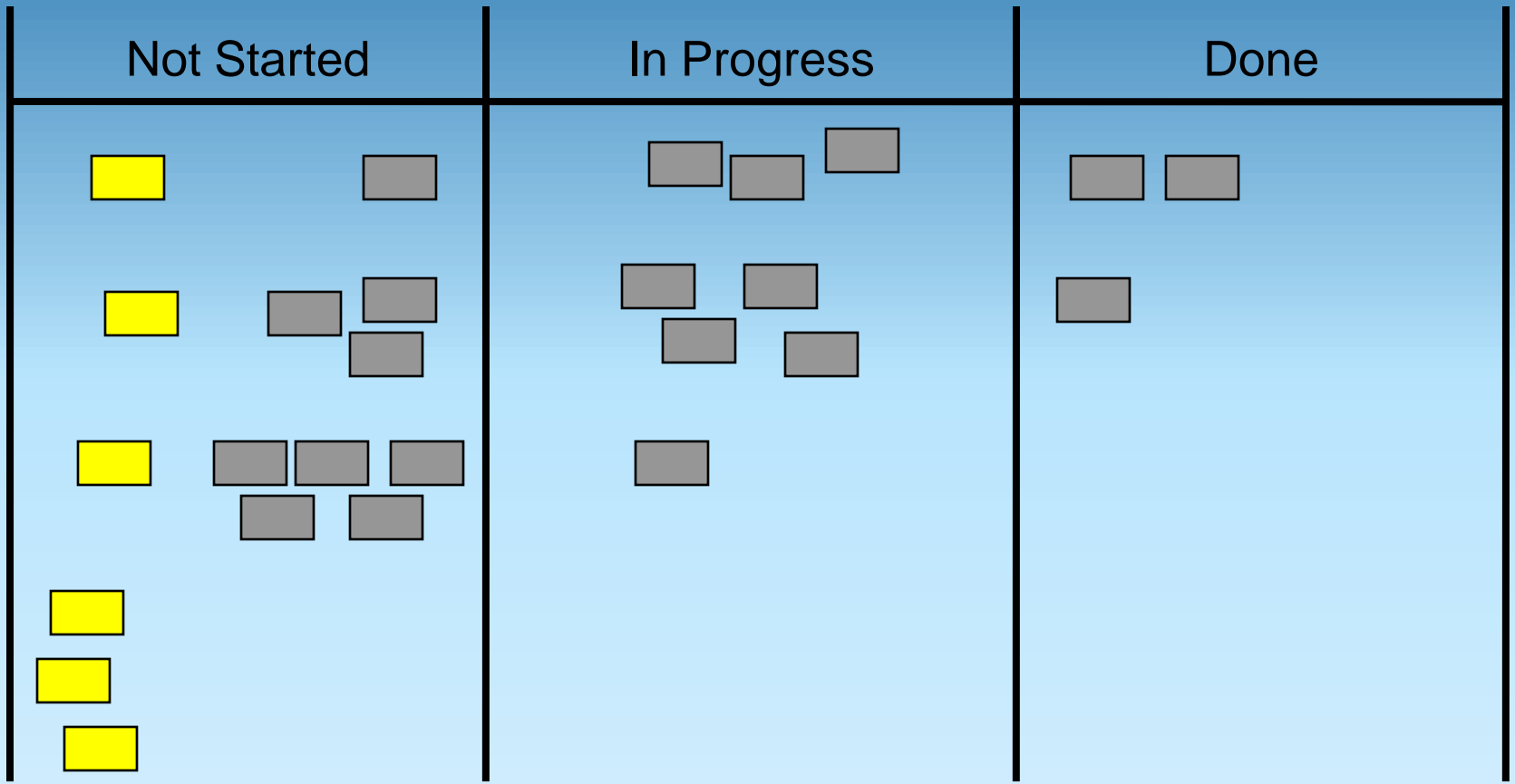


Example

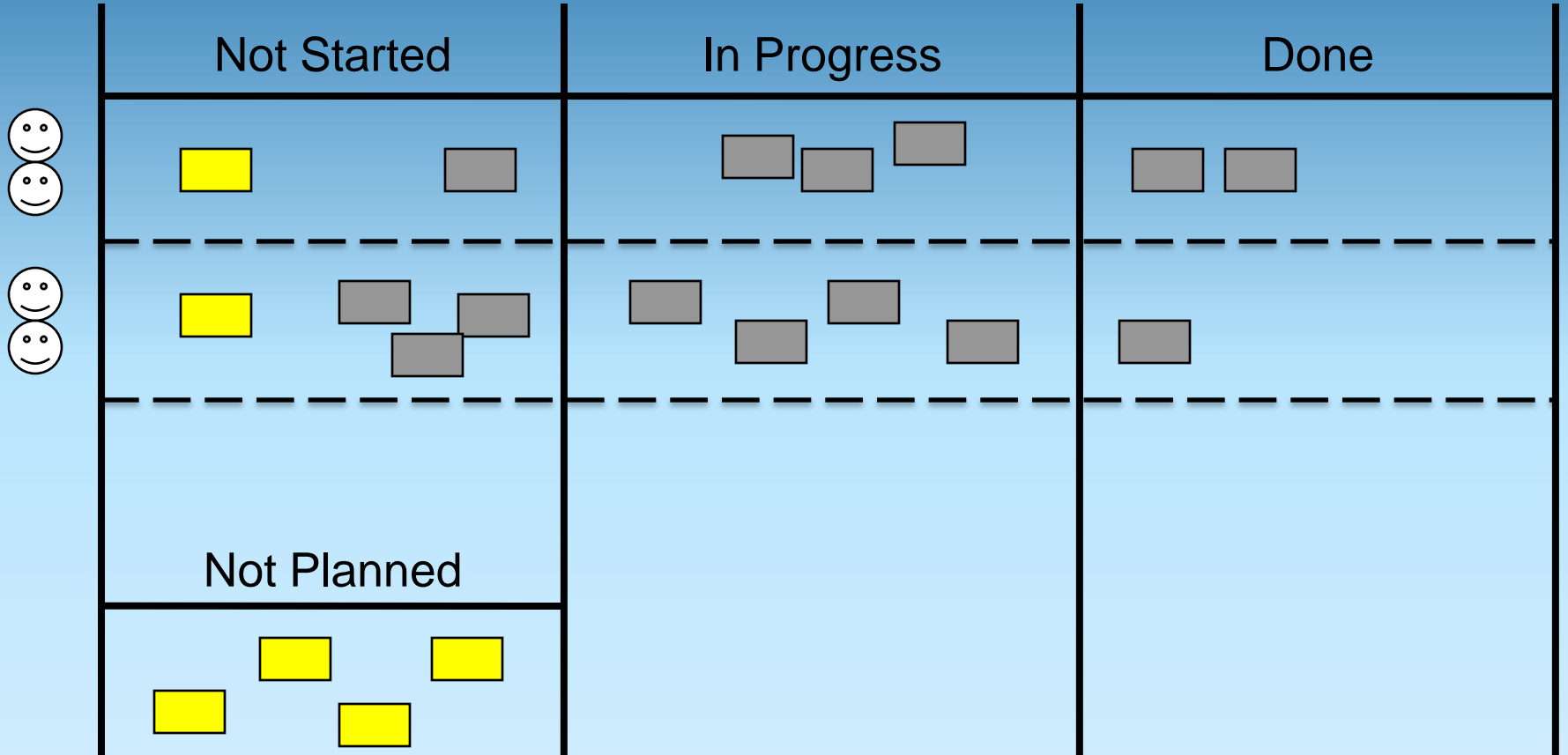
Map the Value Stream



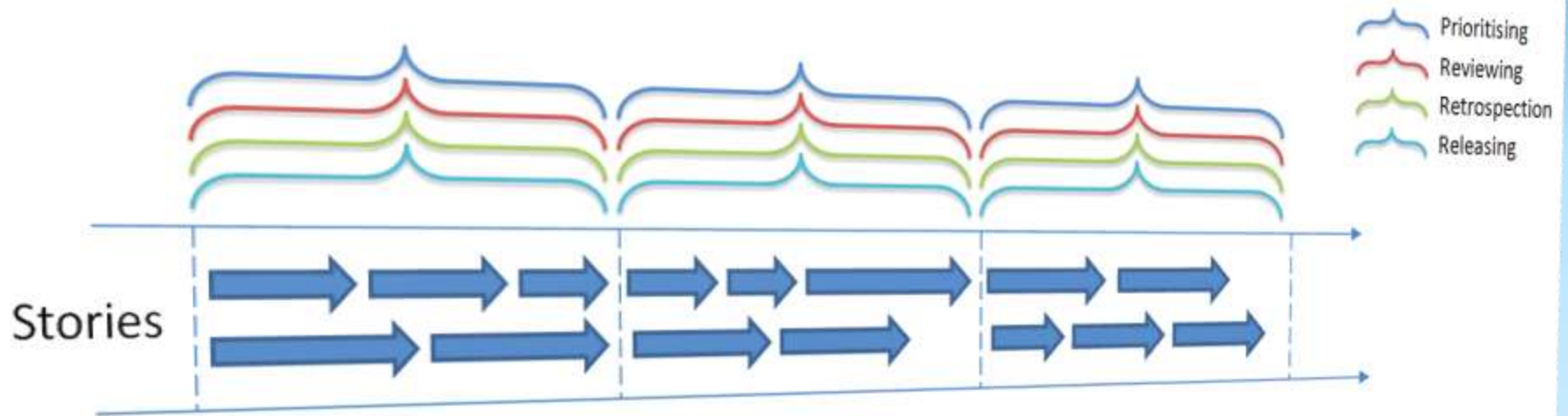
Visualise the Value Stream



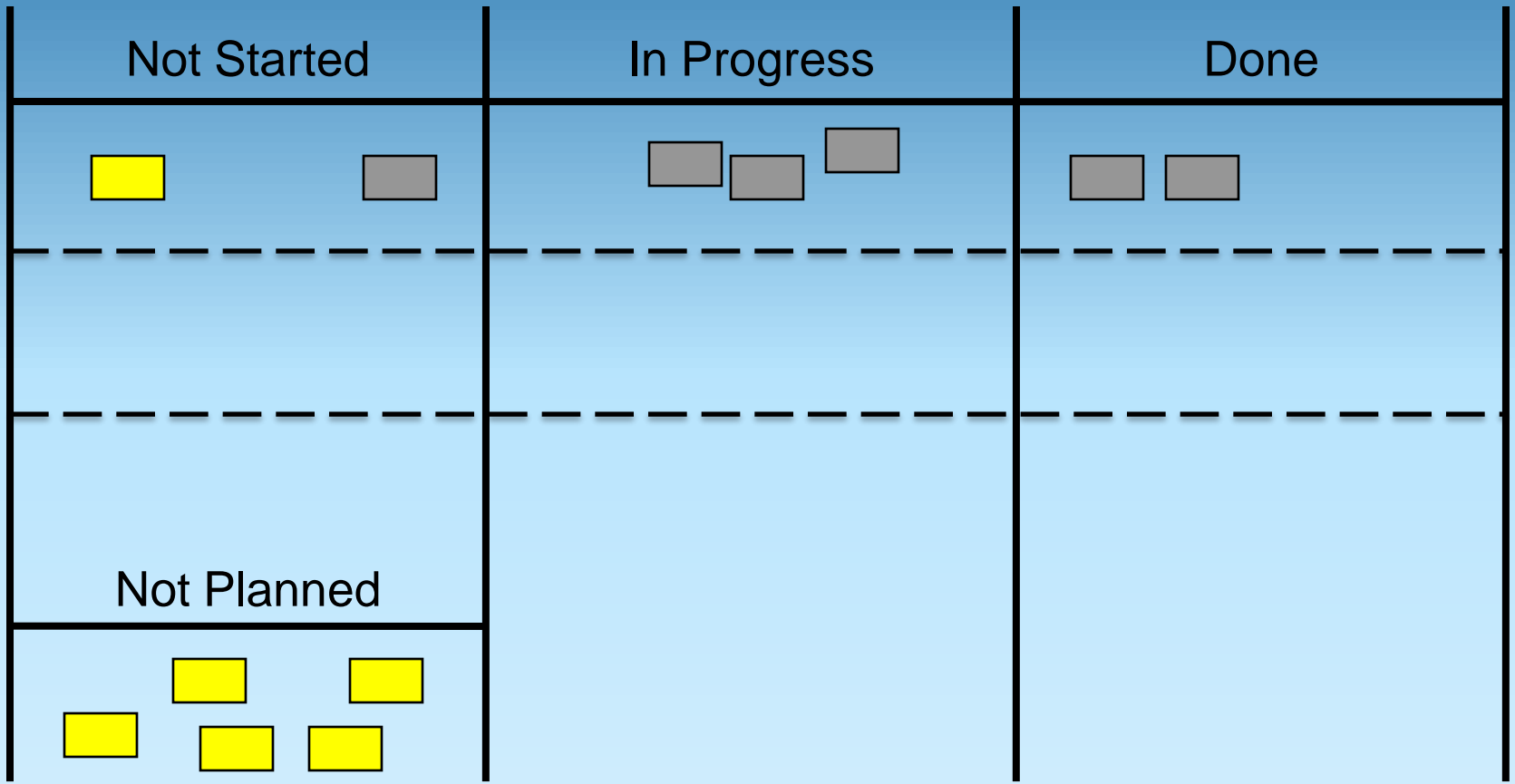
Limit Work in Progress



Establish a Cadence



Reduce the Kanban Tokens





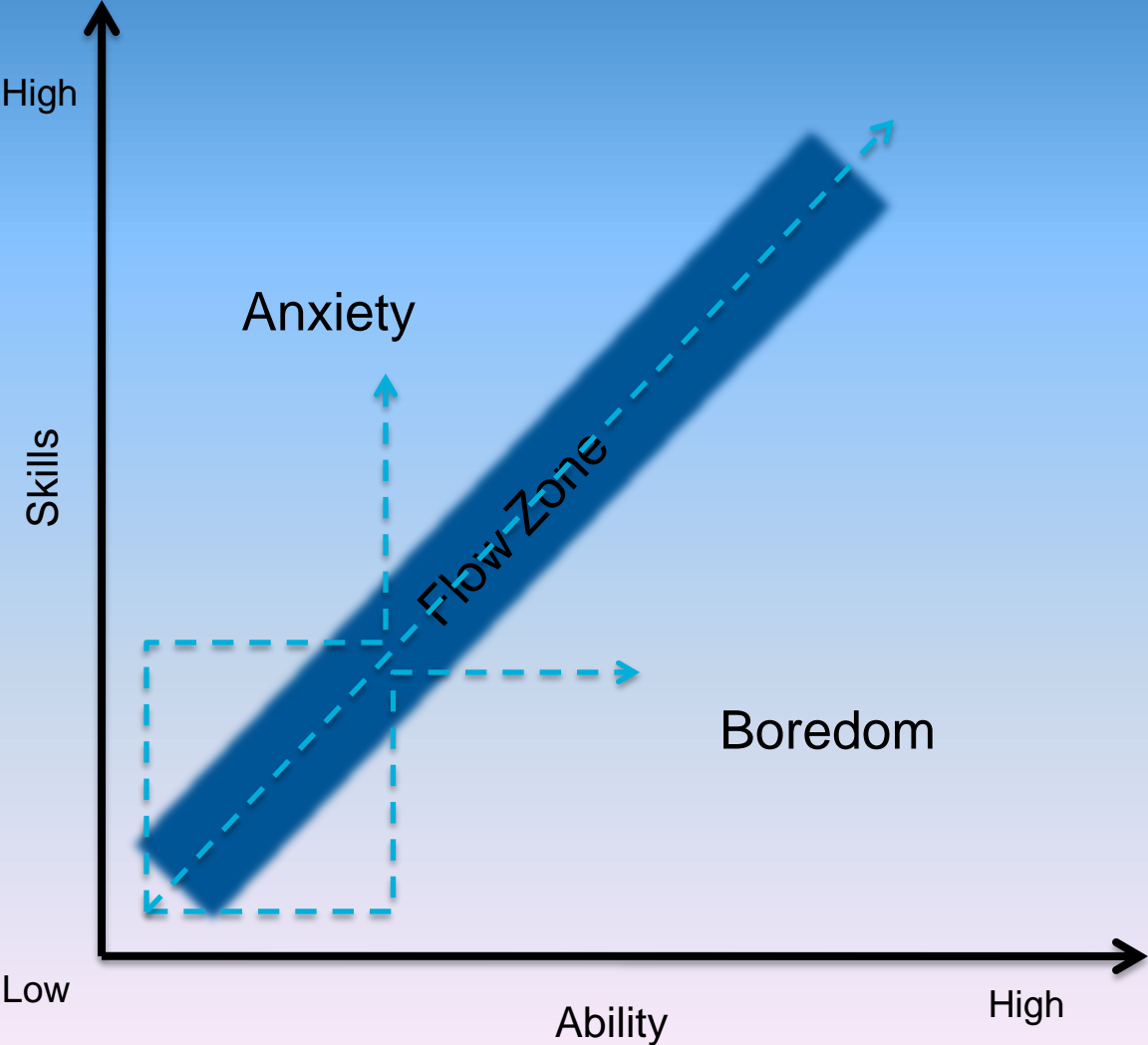






VIVA LA EVOLUCIÓN

Mihalyi Csikszentmihalyi,
Flow: The Psychology of Optimal Experience





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Thank You

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<http://availagility.wordpress.com>

<http://www.limitedwipsociety.org>

<http://groups.yahoo.com/groups/kanbandev/>

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