

Agile is Everywhere

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Project Management Essentials, LLC



PROJECT MANAGEMENT
CENTER FOR EXCELLENCE

A.J. CLARK SCHOOL OF ENGINEERING
Civil & Environmental Engineering Department





Fundamentals of Agile

[Begin Course](#) [Return to Lesson in Progress](#) [Meet the Author](#)



Agile Beyond IT

[BEGIN COURSE](#) [RETURN TO LESSON IN PROGRESS](#)

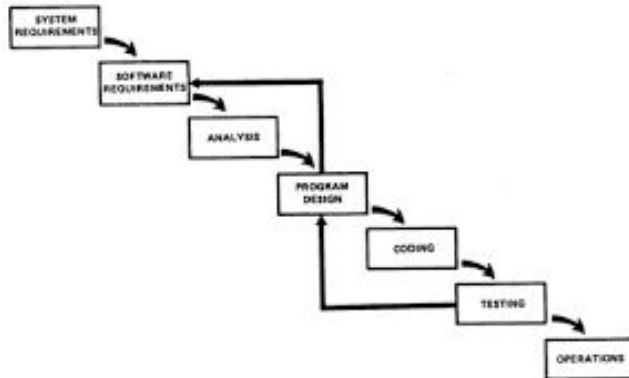
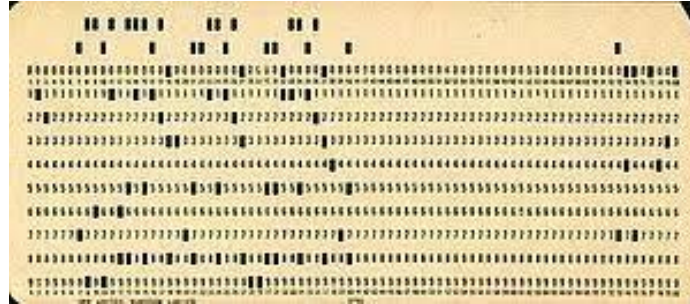




The Early Days



The Dark Days of Computing



Winston Royce



The Game Changer



h:CL1: (C2) +C9-CL3

A	B	C	D	E	F	
1	LINEAR SUMMARY 1988: Sloane Camera and Video					
2						
3		Q1	Q2	Q3	Q4	
4					YTD	
5	Net Sales	\$10,000.00	\$13,000.00	\$16,000.00	\$19,000.00	\$58,000.00
6						
7						
8	Costs and Expenses:					
9	Salary	1,500.00	1,500.00	1,500.00	1,500.00	6,000.00
10	Int	1,000.00	1,200.00	1,400.00	1,400.00	5,000.00
11	Rent	350.00	350.00	350.00	350.00	1,400.00
12	Ads	500.00	1,000.00	2,000.00	3,000.00	6,500.00
13	COG	3,000.00	4,000.00	5,000.00	7,000.00	19,000.00
14						
15	Op Exp	6,350.00	8,050.00	10,250.00	13,250.00	37,900.00
16						
17	Op Income	\$3,650.00	\$4,950.00	\$5,750.00	\$5,750.00	\$20,100.00
18						
19						
20						
21	SUM1988, MK3					





My Agile Journey





Manifesto of Agile Software Development



Kent Beck



Mike Beedle



Arie van Bennekum



Alistair Cockburn



Ward Cunningham



Martin Fowler



James Grenning



Jim Highsmith



Andrew Hunt



Ron Jeffries



Jon Kern



Brian Marick



Bob Martin



Stephen Mellor



Dave Thomas



Jeff Sutherland



Ken Schwaber

Delivering value
more quickly and
predictably





The Agile Manifesto

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

Individuals and interactions **over** processes and tools

Working software over comprehensive documentation

Customer collaboration **over** contract negotiation

Responding to change **over** following a plan





The Agile Manifesto Reimagined

We are continually finding better ways of working,
and through this we have come to value:

Individuals and interactions **over** processes and tools

Solutions **over** excessive procedures and documentation

Collaboration **over** restrictions

Responding to change **over** following a plan





Agility focus...

- People
 - People are the center of what we do. Build small, self-organizing teams and allow them to succeed
- Products
 - Deliver valuable products as quickly as possible to satisfy our customers' needs
- Process
 - Embrace simplicity, eliminate waste, and create flow





PROJECT MANAGEMENT
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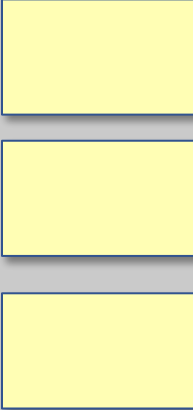
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Agile applied... Tales from the field





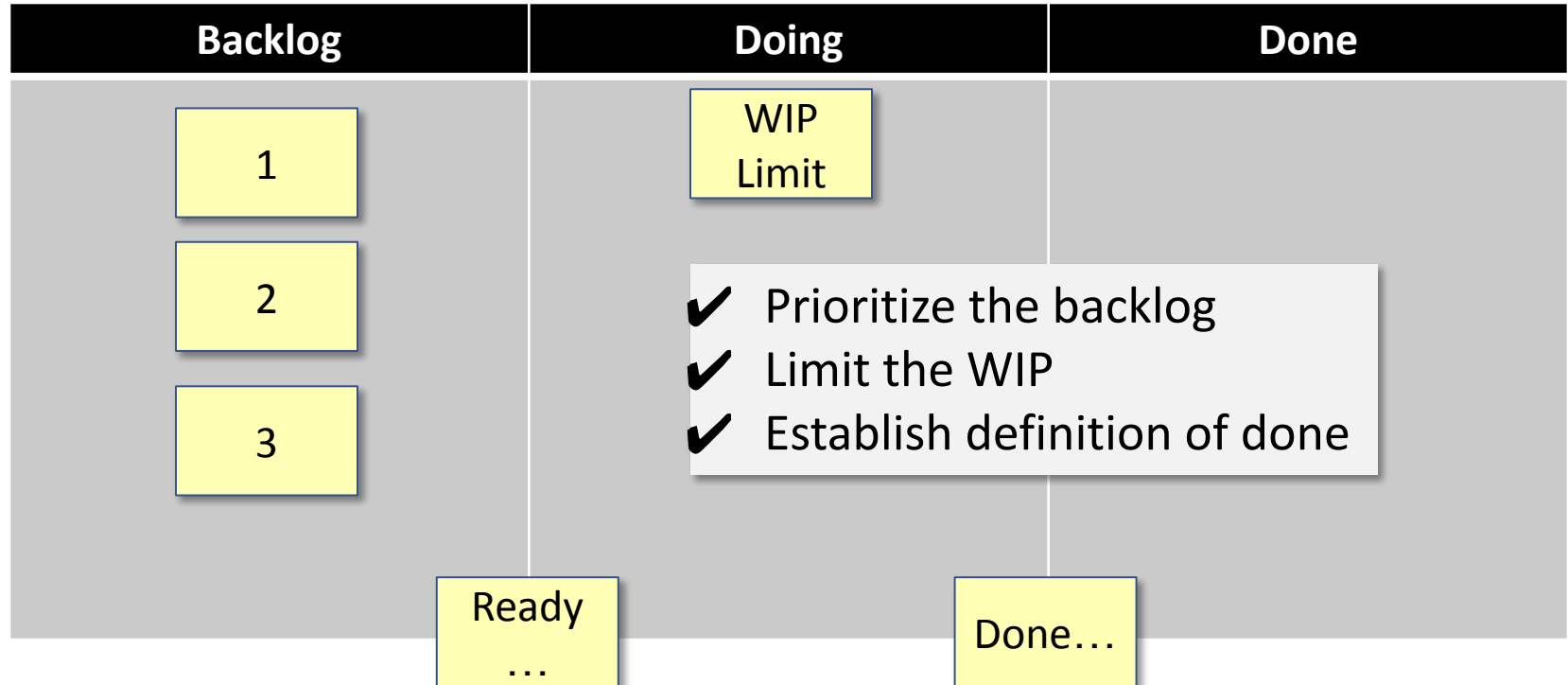
Start with visualizing the work...

Backlog	Doing	Done
 Three yellow sticky notes are stacked vertically in the Backlog column. Each note is a simple yellow rectangle with a thin blue border and a slight drop shadow.		





Manage the flow

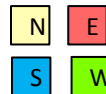




Office building project



To Do	Sheathing	Vapor Barrier	Inspection	Brick
1		Green square, Red square	Blue square	
2	Green square, Red square	Blue square	Yellow square	
3	Red square	Blue square	Green square, Yellow square	
4	Yellow square, Red square	Green square, Blue square		
5	Yellow square, Blue square, Red square	Green square		
.....				





Picture complexity...

Program Boards

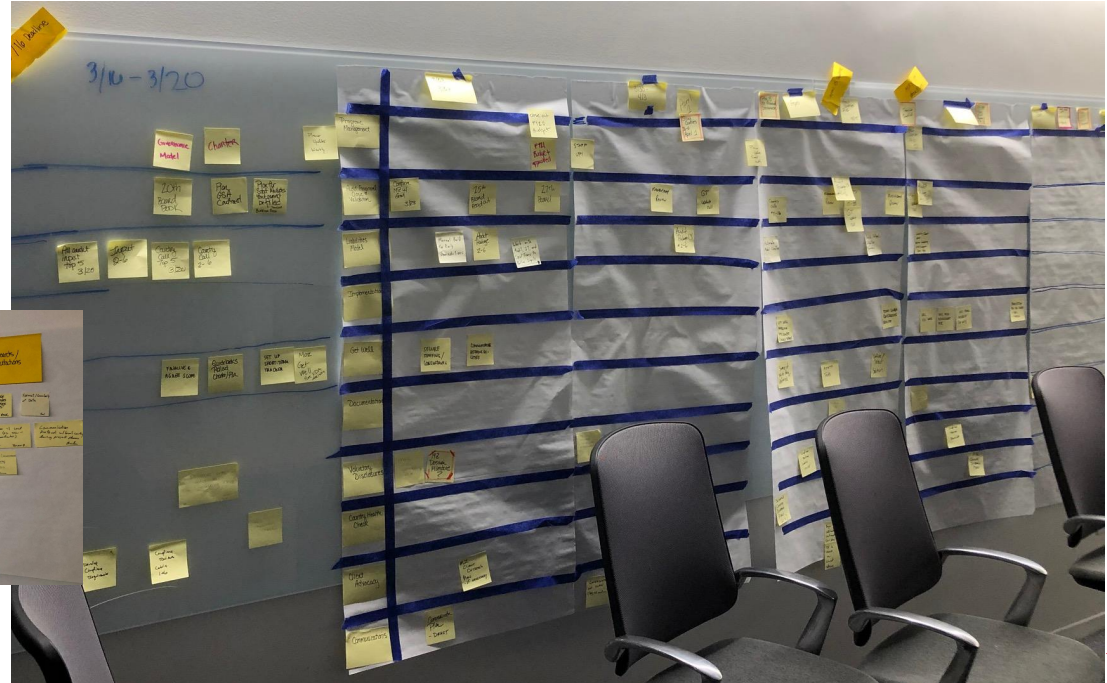
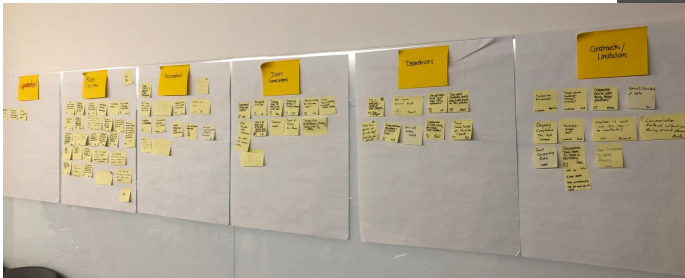
	Month 1	Month 2	Month 3	Quarter 2	Quarter 3	Quarter 4	Next Year
Milestones		■	■	■ ■	■	■	■ ■
Program 1	■		■	■		■	
Project 2		■	■	■	■		■
Project 3	■			■		■	
Organization A		■		■			■
Organization B	■	■	■		■	■	





International tax audit

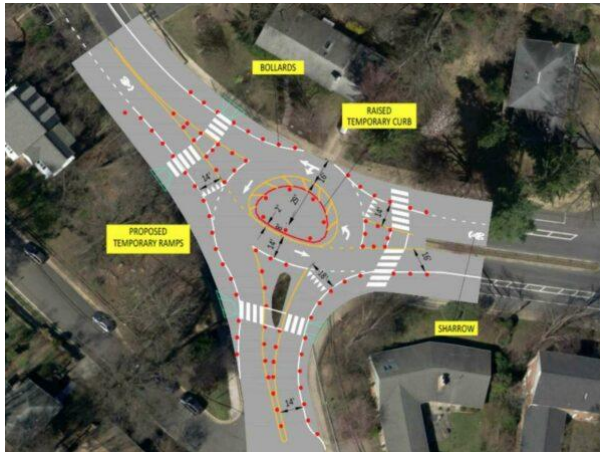
- Big-room planning
- Program boards
- Confidence vote





Prototyping Engineering

Prototypes traffic calming changes before "hardening" them

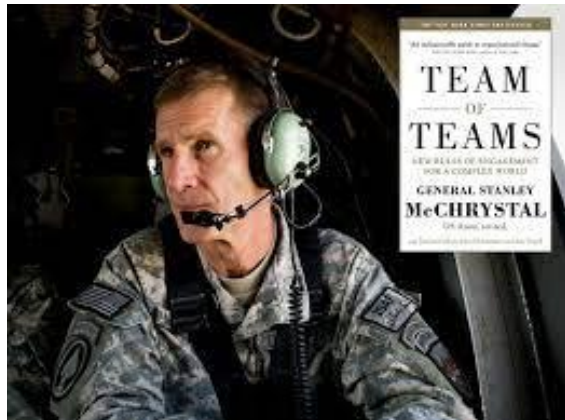


The Agile Classroom

- Self-identified norms
- Collaborative space
- Incremental and iterative deliver
- Kanban to manage work

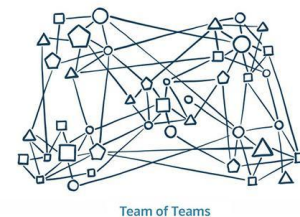
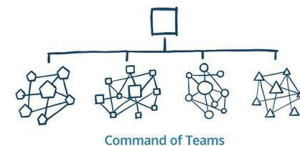
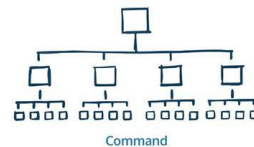


Joint Special Ops Command



General Stanley McChrystal

- Breaking down silos
- Power of small teams
- Decentralized, empowered decision-making
- Kaizen....continuous iterative change





Questions? Contact me, follow me...

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