

Flow State Experience:

Feel the first principles of lean through role playing and simulations with Lego!

Amplified by music!

The Flow State Experience is
... the artistry of role playing
... the tactile joy of building with Lego
... both stress and then calm amplified by music

To go together through
... a shift from self-consciousness to empathy
... the feeling of group flow
... an emotional kinetic response to the question
"what do we feel about waste?"

Live results link:

https://www.mentimeter.com

<u>/app/presentation/alq1bfwu</u>

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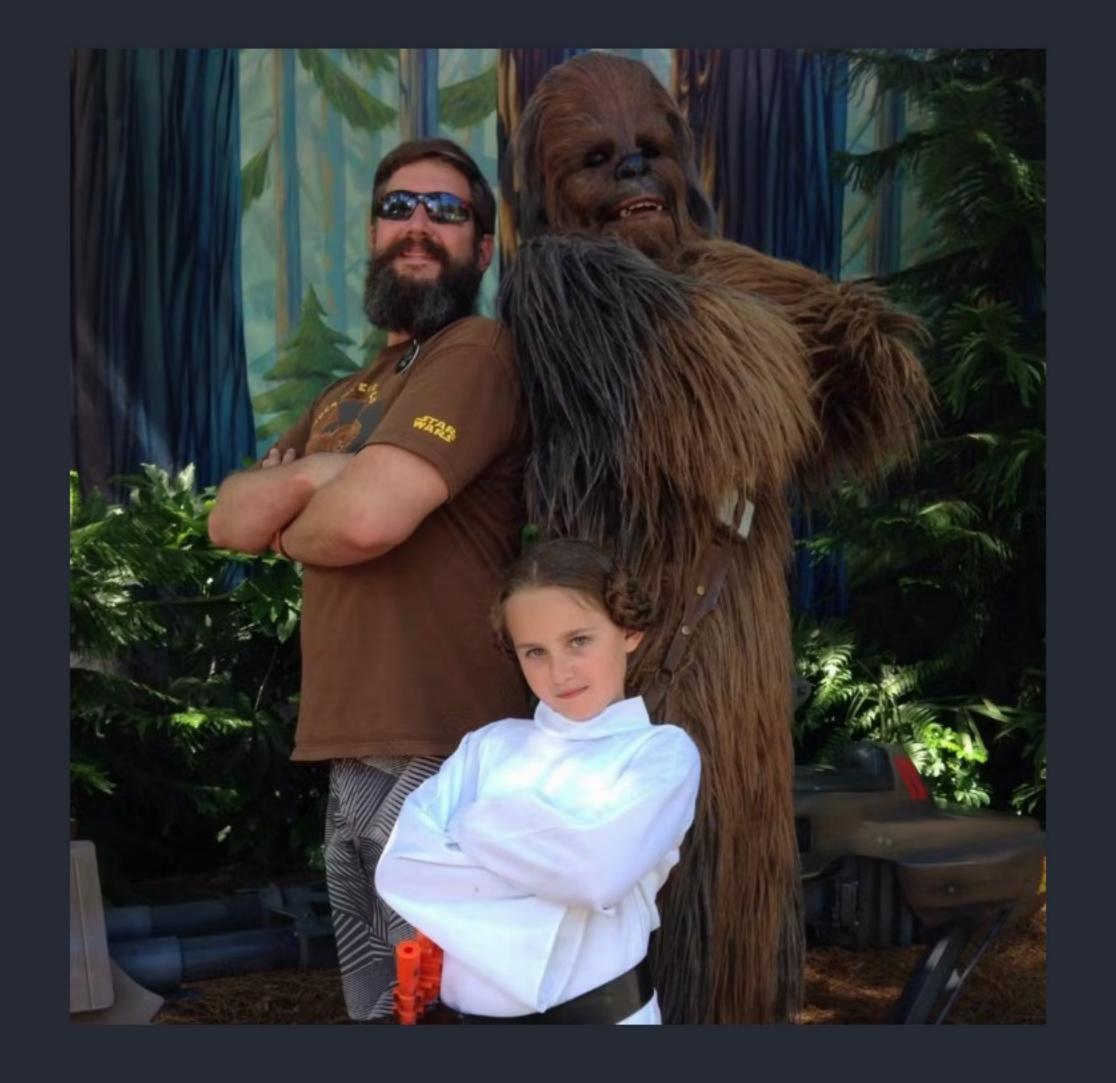
Connect to Your Facilitators:

- → Charlie Dunn, DPR, https://www.linkedin.com/in/projectstory/
- → David Stutzman, Conspectus, https://www.linkedin.com/in/davidstutzman/
- → Al Schwarzkopf, Wood, https://www.linkedin.com/in/schwarzkopf-albert-03b7415/
- → Clark Ellis, Continuum, https://www.linkedin.com/in/clarkellis/
- → Craig Davis, DPR, https://www.linkedin.com/in/craig-davis-85853a10/
- → Jeff Sample, Join, https://www.linkedin.com/in/ironmanofit/
- John Strickland, Collaborative Flow, https://www.linkedin.com/in/j-strickland/
- → Neelanjana Sen, HGA Architects, https://www.linkedin.com/in/neelanjanasen/
- → Steve Gantner, Conspectus, https://www.linkedin.com/in/steve-gantner-ba4b242/
- → Sue Boyle, Haley Aldrich, https://www.linkedin.com/in/sue-boyle-08894676/
- Tom Arrigo, DPR, not on the internet
- → Yash Lalwani, DPR, https://www.linkedin.com/in/yashl/

Where were you born?







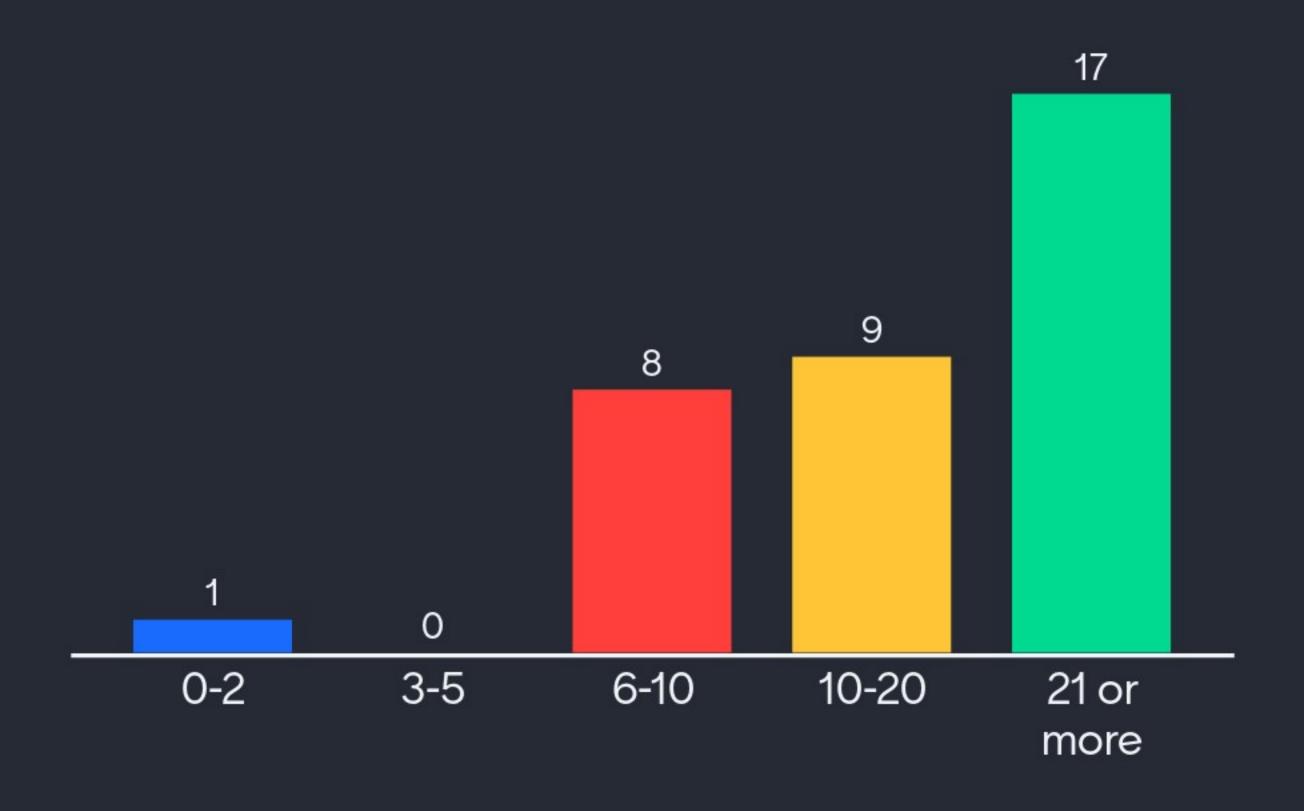


List three words that explain why you chose your picture for the introduction? 89 responses



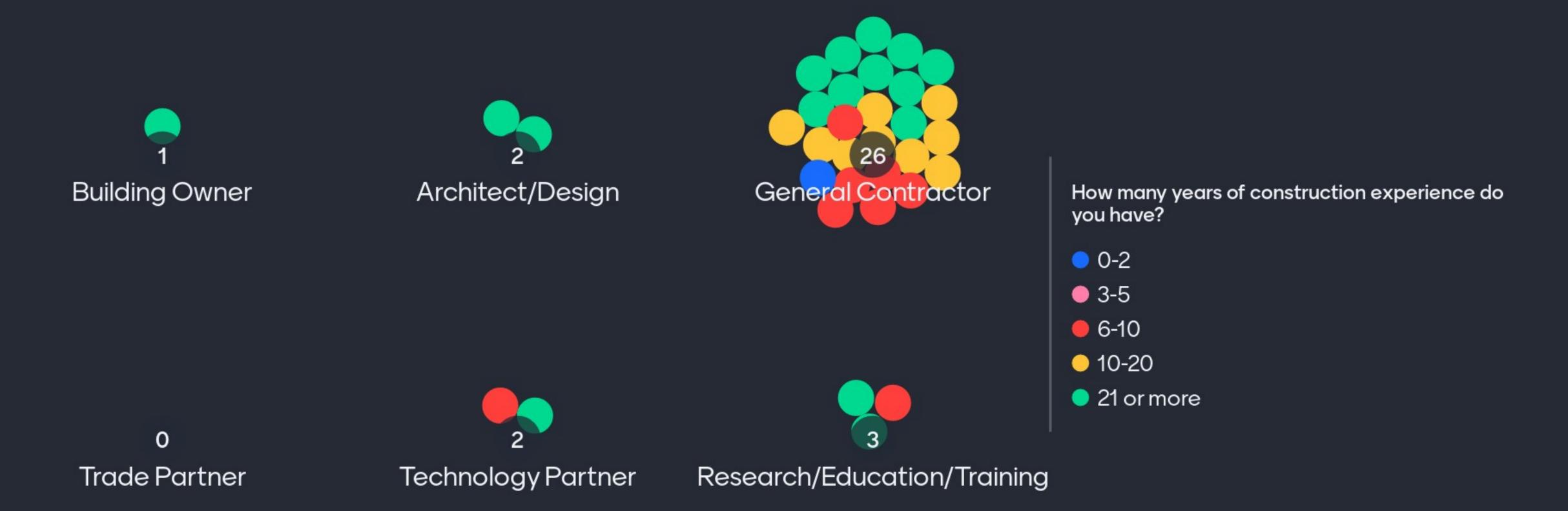


How many years of construction experience do you have?





The company I represent today:



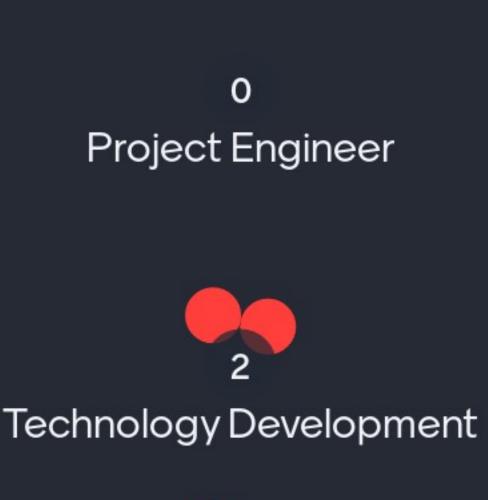


My primary role:



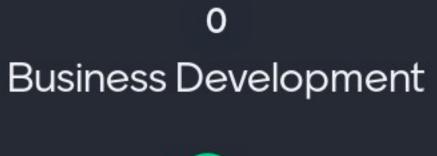


Field Operations











How many years of construction experience do you have?

- 0-2
- **3-5**
- **6-10**
- **10-20**
- 21 or more

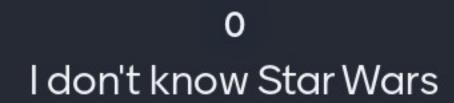


How do you feel about the future of construction?









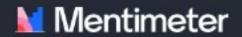
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- 0-2
- **3-5**
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- 10-20
- 21 or more



Trust Matrix

Topic:	-4	-3	-2	-1	0	1	2	Score
Environment	Disdained	Toxic	Stressful	Worry	Safe	Positive	Uplifting	
Focus	Open Battle	Escalation	Pre-emption	Process	Scope	Outcome	Mutual Success	
Relationships	Enemies	Hostile	Disrespect	Indifferent	Cordial	Cooperative	Collaborative	
Process	Retribution	Sabotage	Hidden agendas	Chain of command	Task at Hand	Keeping promises	Making it Easier for Others	
Behavior	Create Pain	Micromanage	CYA	Do my job	Respect	Partnering	Transparency	
Outcomes	Lawsuits	Tit for Tat	Politics	Slow	Efficient	Learn from mistakes	Improve	
Systems	Chaos	Dysfunctional	Distracting	Hassle	Does not get in the Way	Supportive	Flexible	
Ethics	Duplicity	Obstruction	Self-interest	Compliance	What is Expected	What is right	What is Good	
Schedule	Weapon	Done to the Trades	Basis for Claims	Confusing	Collaboration with the Trades	Manage Priorities	Time Machine	
							Total	0



Pause, take a deep breath, and think of the most challenging project in your career

- Oircle the word that best describes how your project felt for each row
- Put the numeric value at the top in the far right column for each row
- Total your project score



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To get back to Menti

What was your project score?

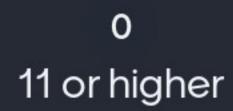












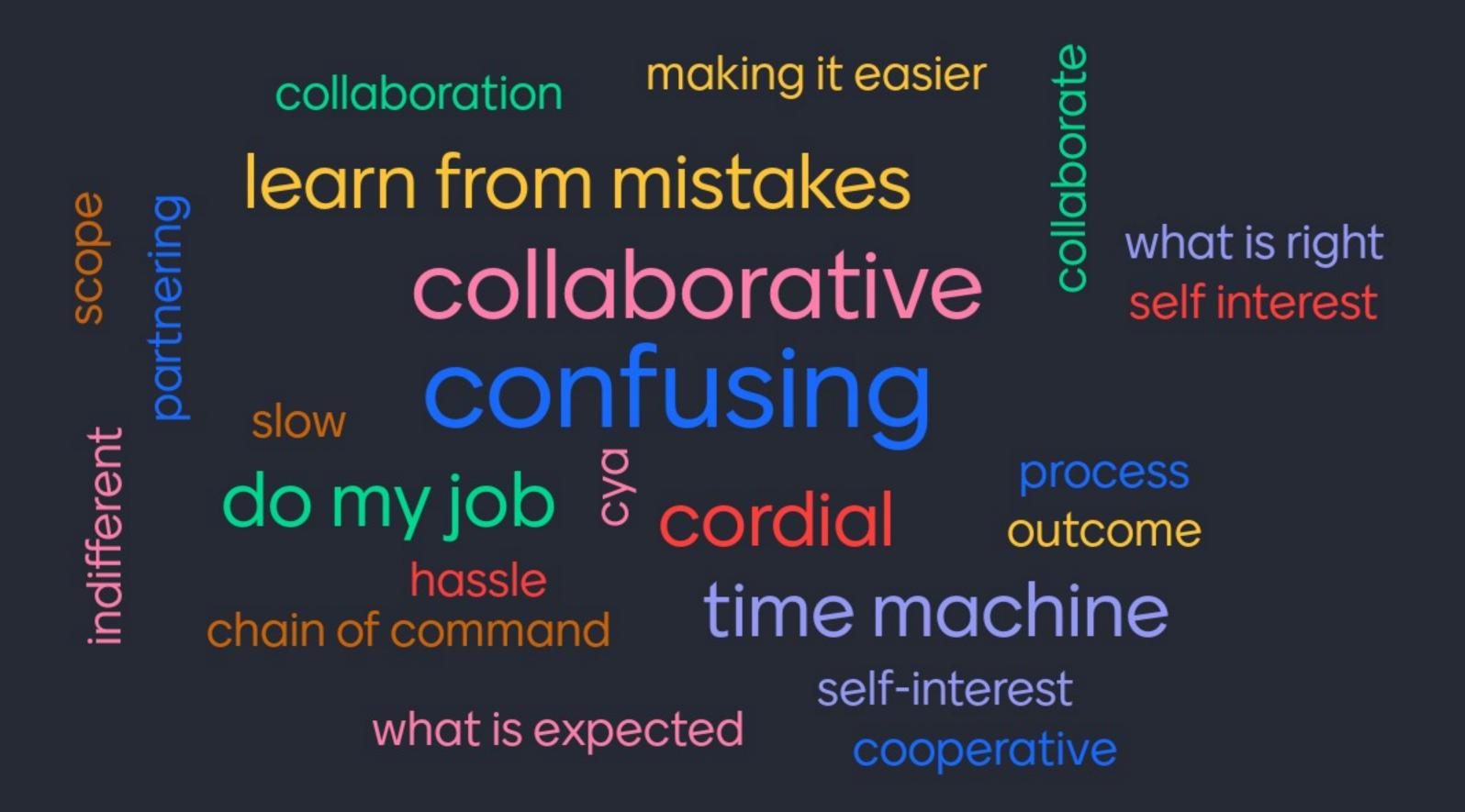
How many years of construction experience do you have?

- 0-2
- **3-5**
- **6-10**
- **10-20**
- 21 or more
- Unknown

What was the worst word for your project? 33 responses

hidden agendas micromanage war stressful hostile escalatior toxic dysfunctional disrespect worry done to trades task at hand

What was the best word for your project? 32 responses



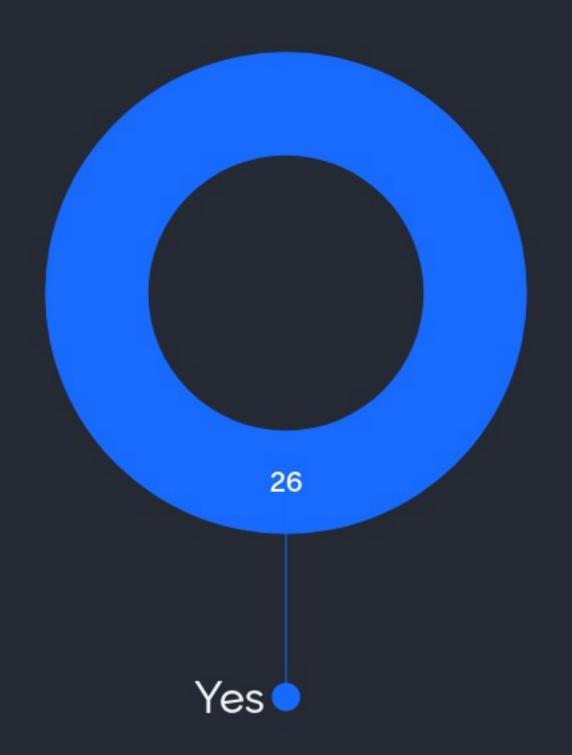
Numbers: Simple Instructions

- Turn over the top page of the stack of eight pages (keep all other pages face down)
- Strike through or circle numbers one (as high as you can)
- You have 20 seconds
- → Be sure the P number in the gray box in the top left matches (P1 first, then P2 ...)





Do you have P1 in the top left corner of your paper or pdf?

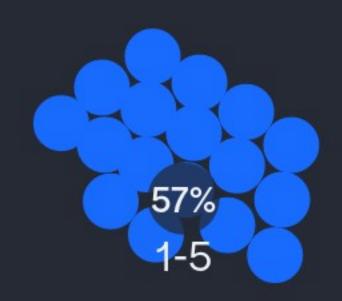


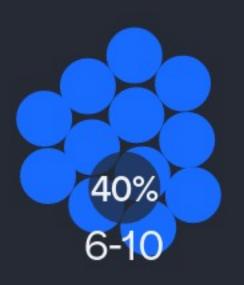






P1: What was your highest number?





3% 11-15

0% 16 or higher





Jobsite material management

Time

Paying daughters medical bills

Chaos

Find files

No set process

Doing expense sheet

Move only as fast as the slowest trade

List of tools and softwares, haphazard





Change order processing

Things were not organized

Schedule logic

Everything thrown at someone

Only as fast as your slowest work package

Only as fast as the slowest person

Change order log not organized by status

Random

Schedule





Changes

Communication, speed, and transparency

Hectic

Chaotic

Working with IT

Schedule logic

Trying to do a work plan with unprepared trades

Finding who can make a decision

We don't have standard processes





No direction, no alignment

A single bottle neck changed capacity of the team to succeed.

Drawing review

EMAIL!!

Conducting after action reviews

Scheduling with new super

Take off

Change process





P2: What was your highest number?











P2: What made this easier than P1? What are ways to remove waste and inventory from construction?

21 responses

Less numbers	Less clutter	Less waste
Less inventory	We had done it before	Familiar process
Less clutter	Less numbers	Spaced part





P2: What made this easier than P1? What are ways to remove waste and inventory from construction?

21 responses

Less clutter	Less clutter	Numbers in same spots
More white space	Less stuff	Less cluttered
Minimize supplies until you need them	Less shit in the way	Less numbers





P2: What made this easier than P1? What are ways to remove waste and inventory from construction?

21 responses

Search image Less numbera Easy





P3: What was your highest number?

















P3: What made this easier? If you saw a pattern, did you share it with your table? How can we establish flow and small batch in construction?

19 responses

Pattern	We tried	Location based planning
Share the plan	Set rules expectations	Measure
Pattern and sort	No	Communication





P3: What made this easier? If you saw a pattern, did you share it with your table? How can we establish flow and small batch in construction?

19 responses

Repetition	Check plan	Collaboration
Focus and flow	Specific pattern	Reduce work in plan
Creating a reoccurring pattern of work activities	Able to configure more easily	Smaller batch of numbers

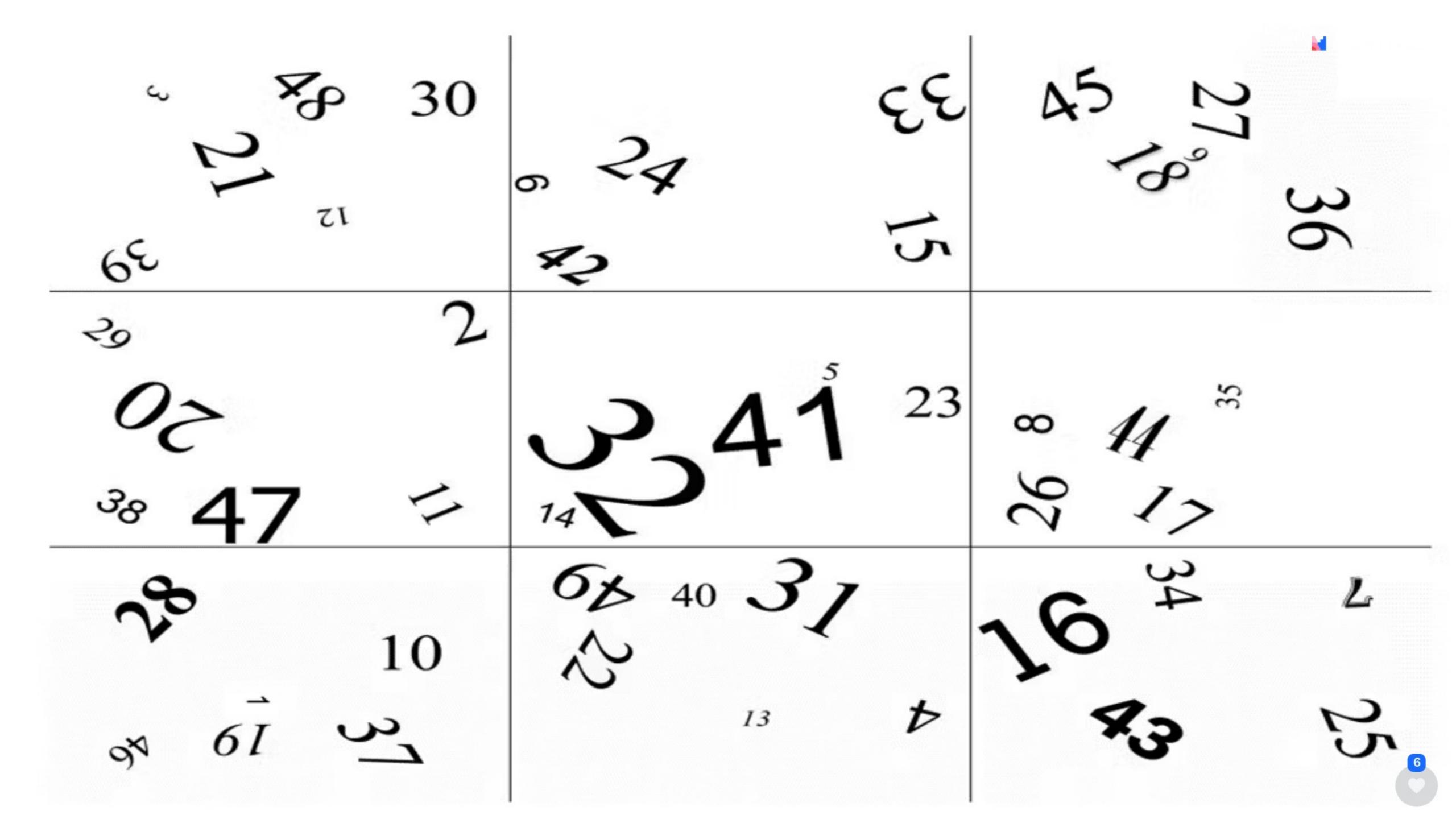




P3: What made this easier? If you saw a pattern, did you share it with your table? How can we establish flow and small batch in construction?

19 responses

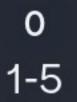
Write a process, SOP

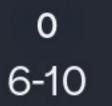


Sma



P4: What was your highest number?









0 21-25







P5: What was your highest number?

0 1-5









0 26 or Higher





Why did your score go down? How do we interrupt flow in construction? 12 responses

Go back work

Crazy Ivan

Through off thought process

Distractions

Had to figure out which square a number was in

Interruptions in flow

Out of sequence

Had to multitask

Task switch





Why did your score go down? How do we interrupt flow in construction? 12 responses

Couldn't shit out the noise

Interruptions, unforeseen circumstances

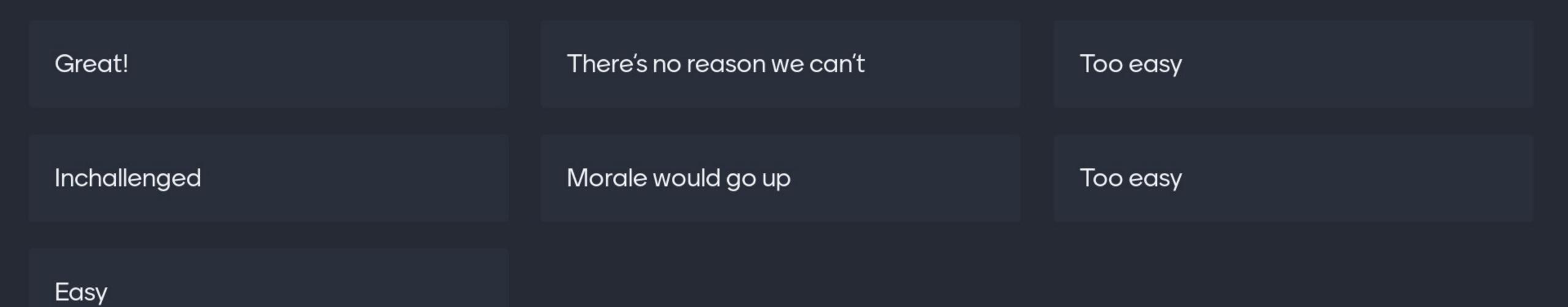
Interruption





P6: How did this feel compared to P1? What if we made standard work feel like this?

7 responses







P7: What numbers are missing?

4 responses

42 18



P8: How does standardization and flow help with missing information or disruption? 6 responses

 It becomes obvious
 Can help keep flow state
 Easily analyze issues

 Stands out
 Stay on top of things
 Makes easier to translate



we give away time time costs money money is expensive



ime for rouole

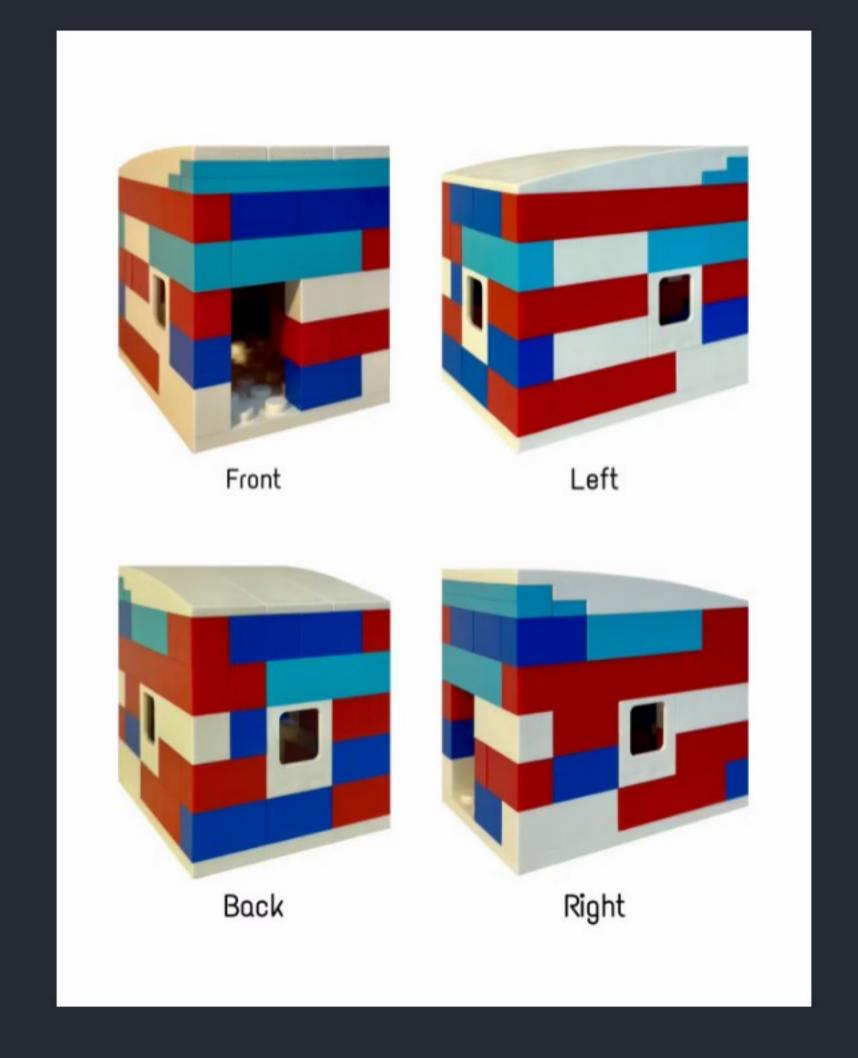
Value Stream Maping



Building Simulation Large Batch

- Choose your role playing sheet
- Split the legos by color as noted on the trade sheets
- Build with the included design
- Owner expects substantial completion in 3 minutes

Mentimeter









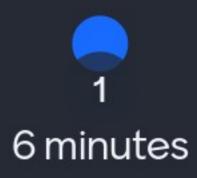








Darth Vader, when will you finish?



0 7 minutes











43 responses

Yodas an ass	Superyelling	Chaos
Poor communication	Yoda didn't help	Too many people throwing orders
Everyone working against each other	Electrician storm troopers	Vader is terrible kept interrupting as we tried to solve





43 responses

The wookie was trouble

Chewbacca can't read the drawings

Annoying team members

No team. No collaboration.

Communication and being able to know what was on other people's page.

Need a sequence of work dictated by gc

No plan, no team, not everyone doing productive work, no alignment

Communication and being able to know what was on other people's page.

Hostile environment





43 responses

Better communication

Each member had their own agenda

Yoda can take his 800 years of experience and move on

Team members were not competent

The superintendent was useless

He must be hung over

Storm trooper was slow

Poor planning, lack of communication, cooperation, and any instance of team work

Gaming the system





43 responses

Darth kept interjecting

Better quality design docs

Pissing me off every minute on this job

Out of sequence work

If we could see the problems

GC adding no value

No communication Supt was not respected Supt didn't have control

Color blind

No plan





43 responses

Yoda was exceedingly unhelpful.

Death Vader got in the way

Better documentation

Builders didn't go fast enough

Drawings were garbage.

Different priorities and not pulling in the same direction

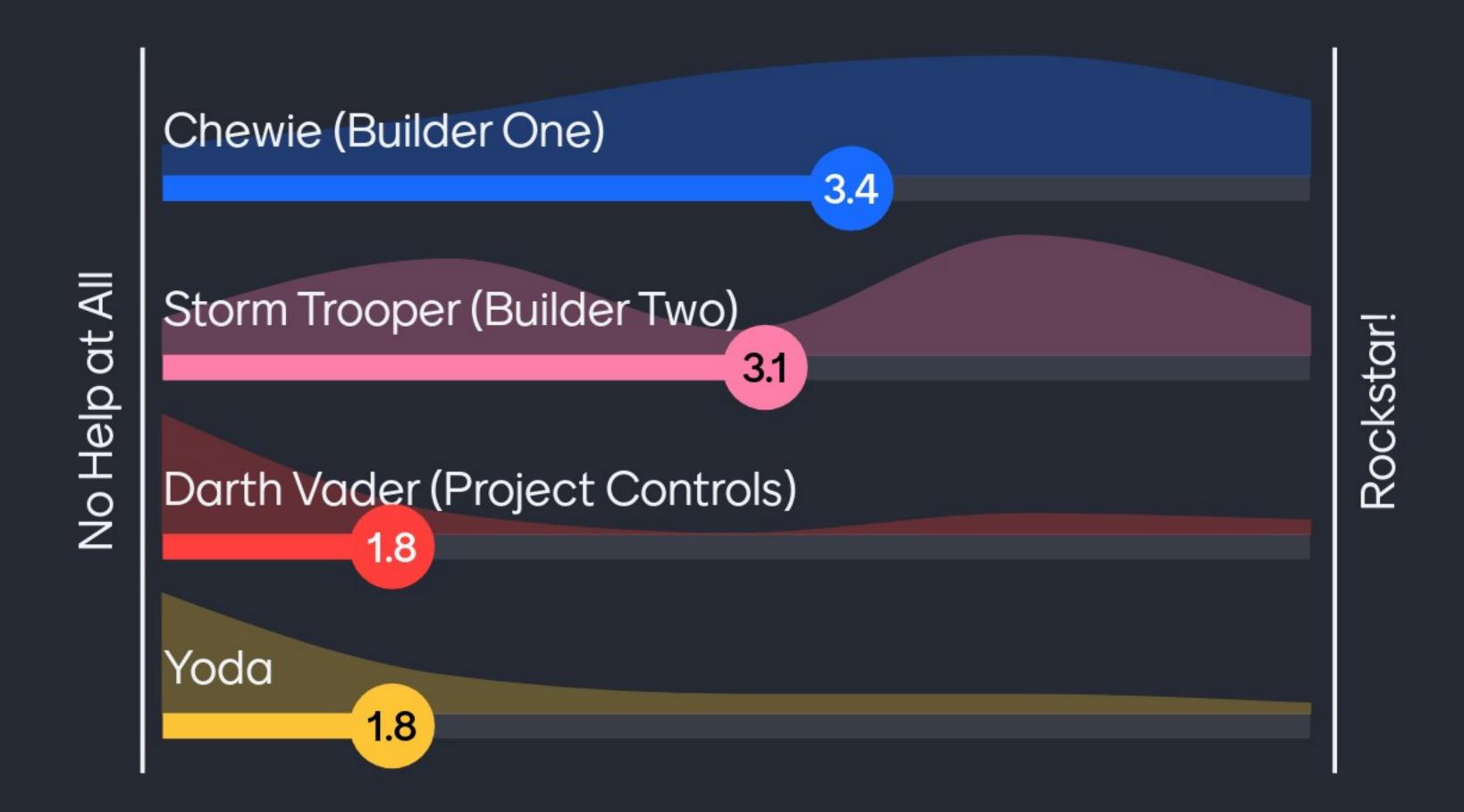
Vader is a jerk



Take apart your pieces but keep the roof pieces together



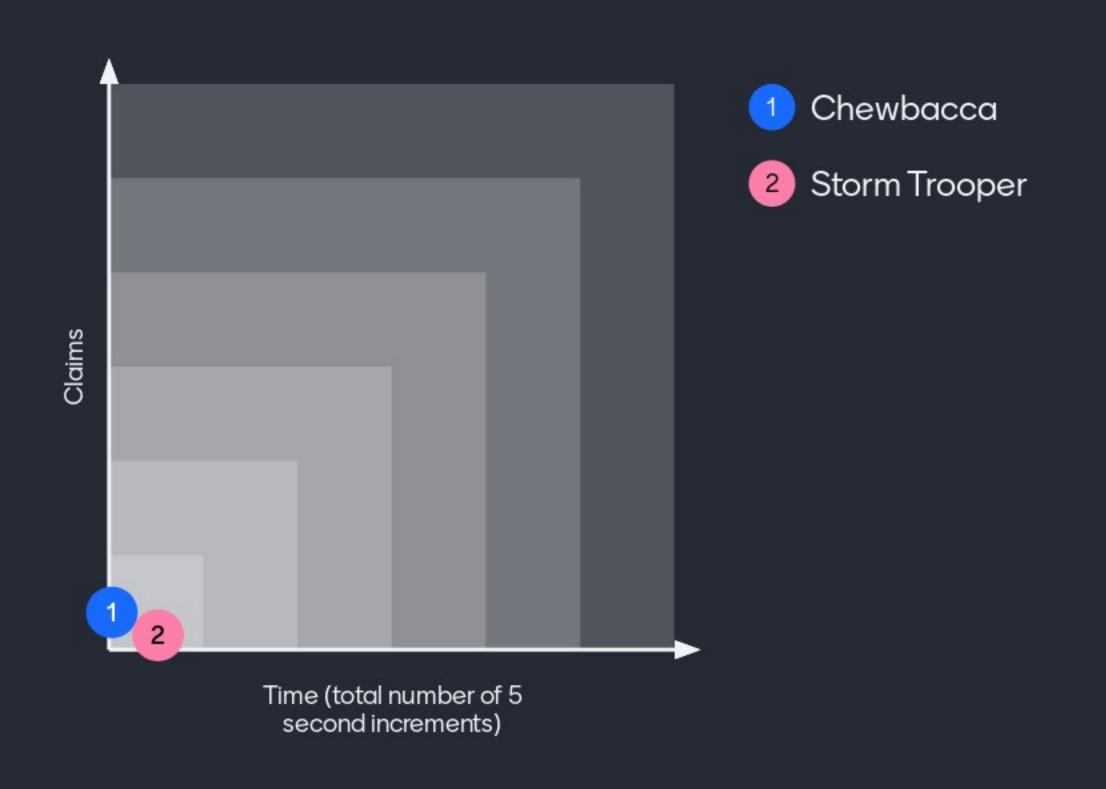
How valueable was each role?



Quality at the Source



Darth Vader only, how many claims or change orders did each role have, and for how much total time impact?



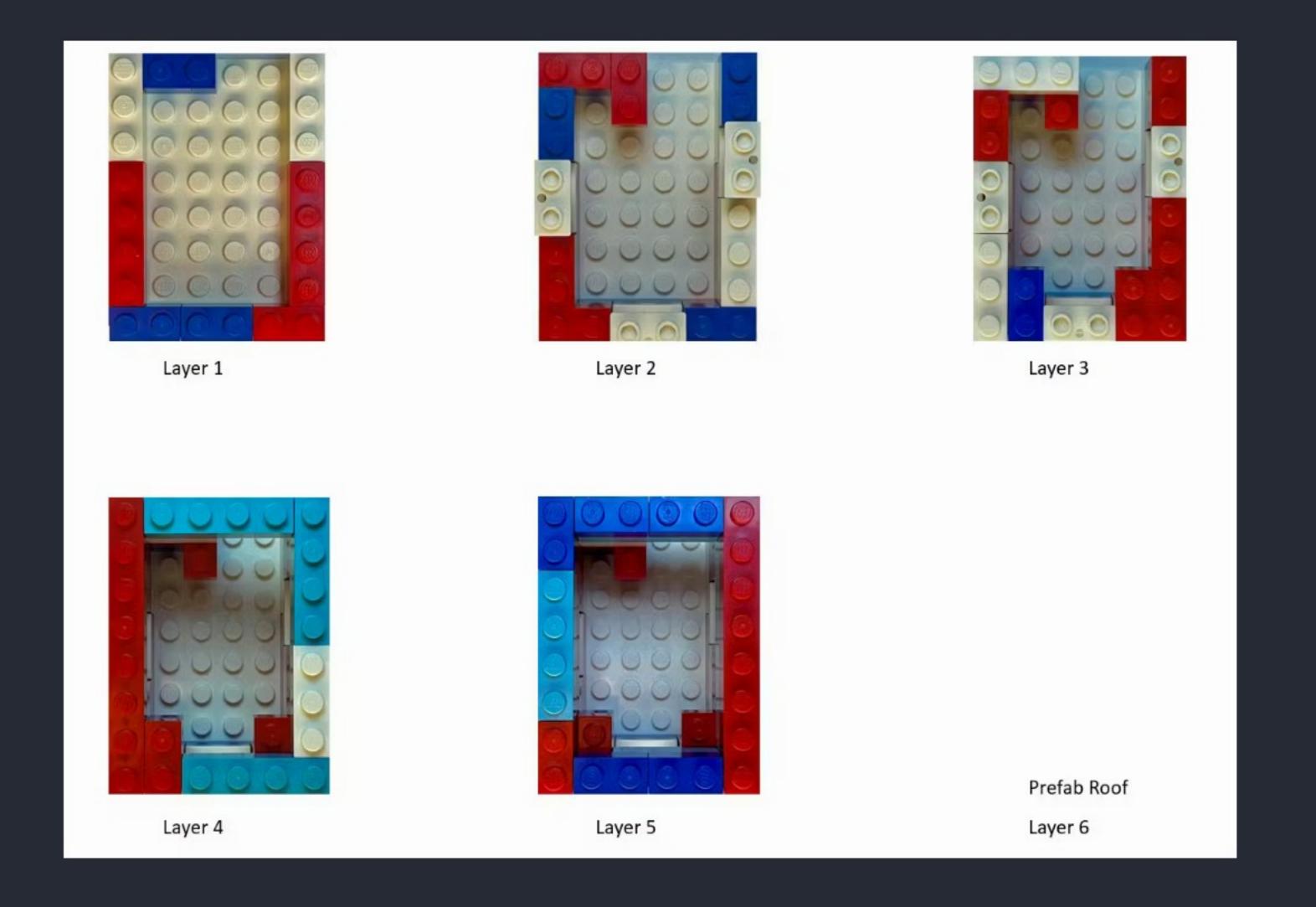




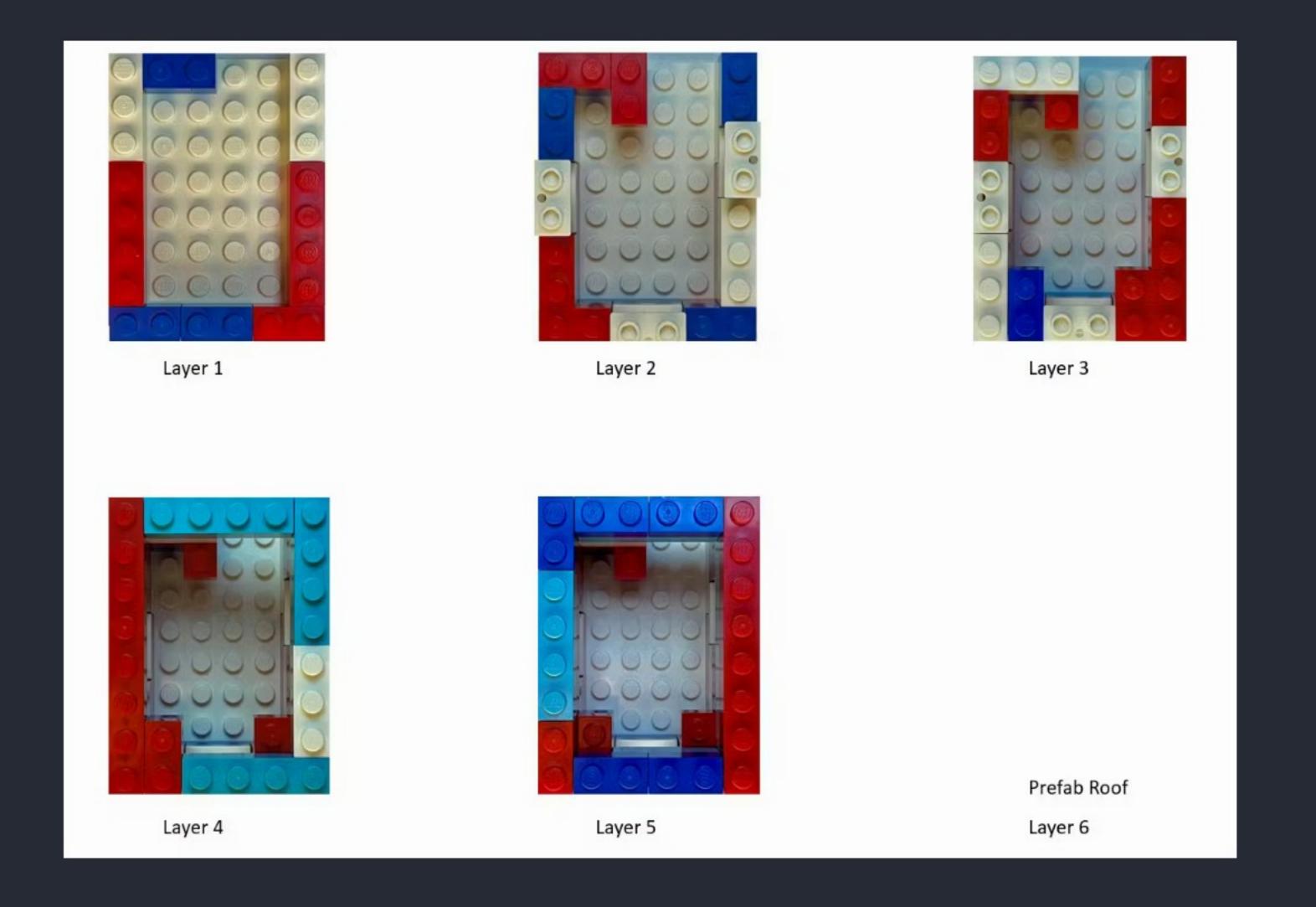
Building simulation with Takt

- Job 1: Build Trust!! Work together as friends
- Darth Vader will focus on quality
- All Roles help prestage the legos for each level on the new design sheets
- Owner expects substantial completion in 1 minute





Takt	1	2	3	4	5	6	Total
Pieces	8	11	8	6	8	6	47
Chewie	5	7	3	1	5	3	
Storm Trooper	3	4	5	5	3	3	
Takt %	17	23	17	13	17	13	100
Total %	17	40	57	70	87	100	
		*				*	



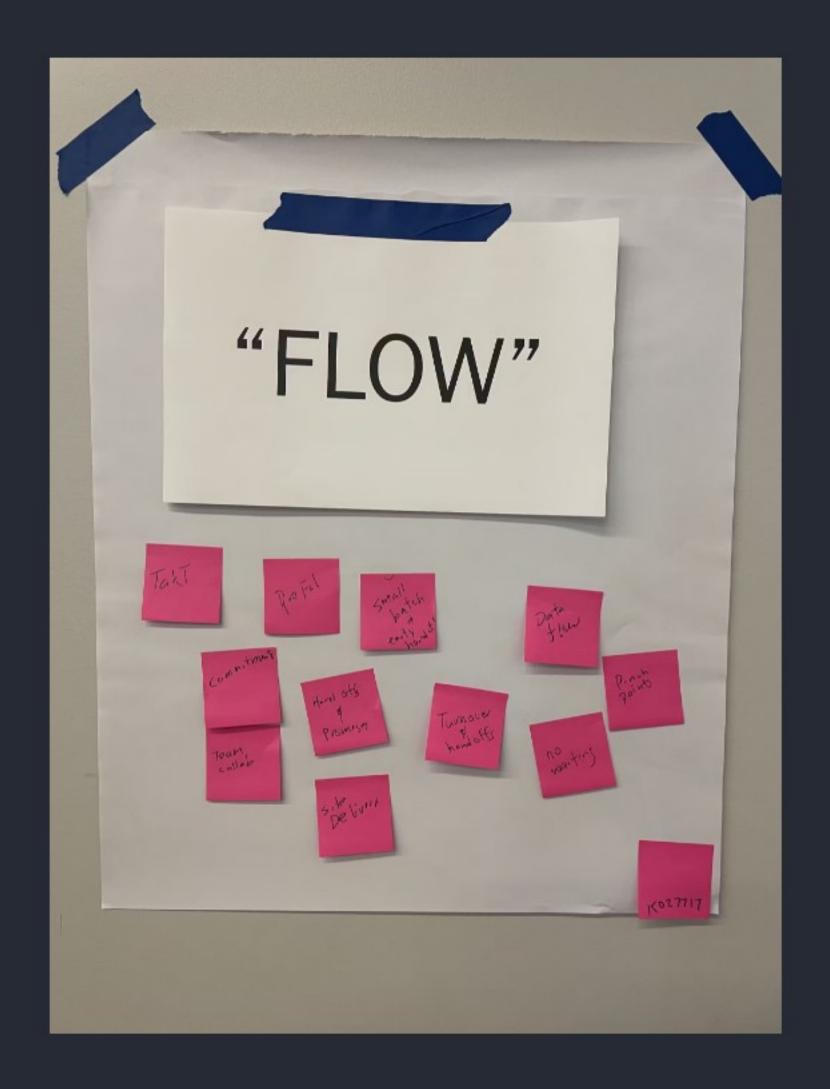
Production

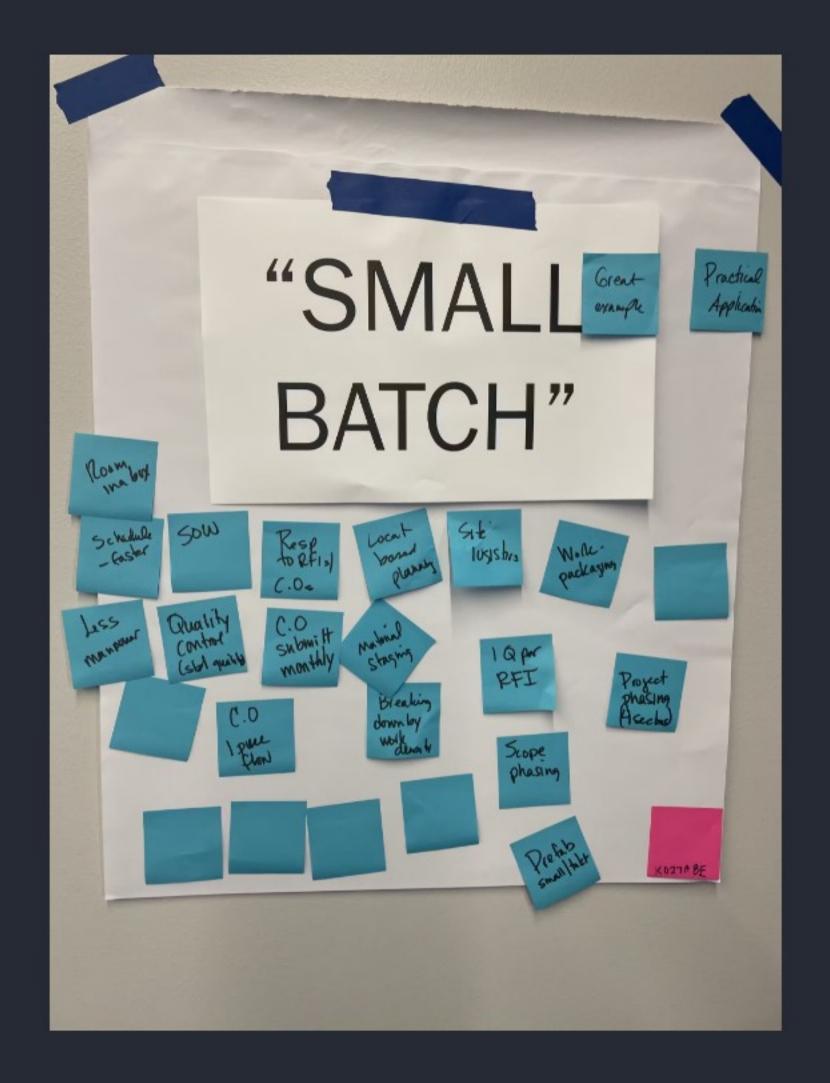


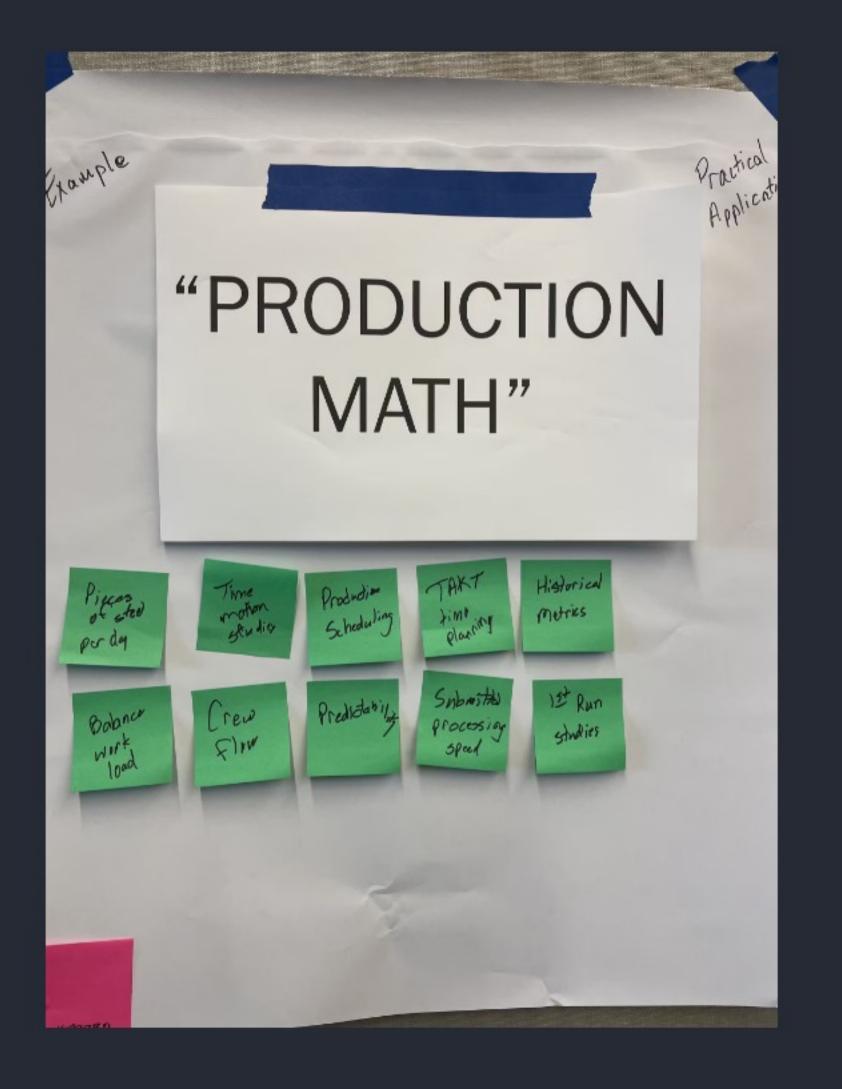
Pause and Reflect

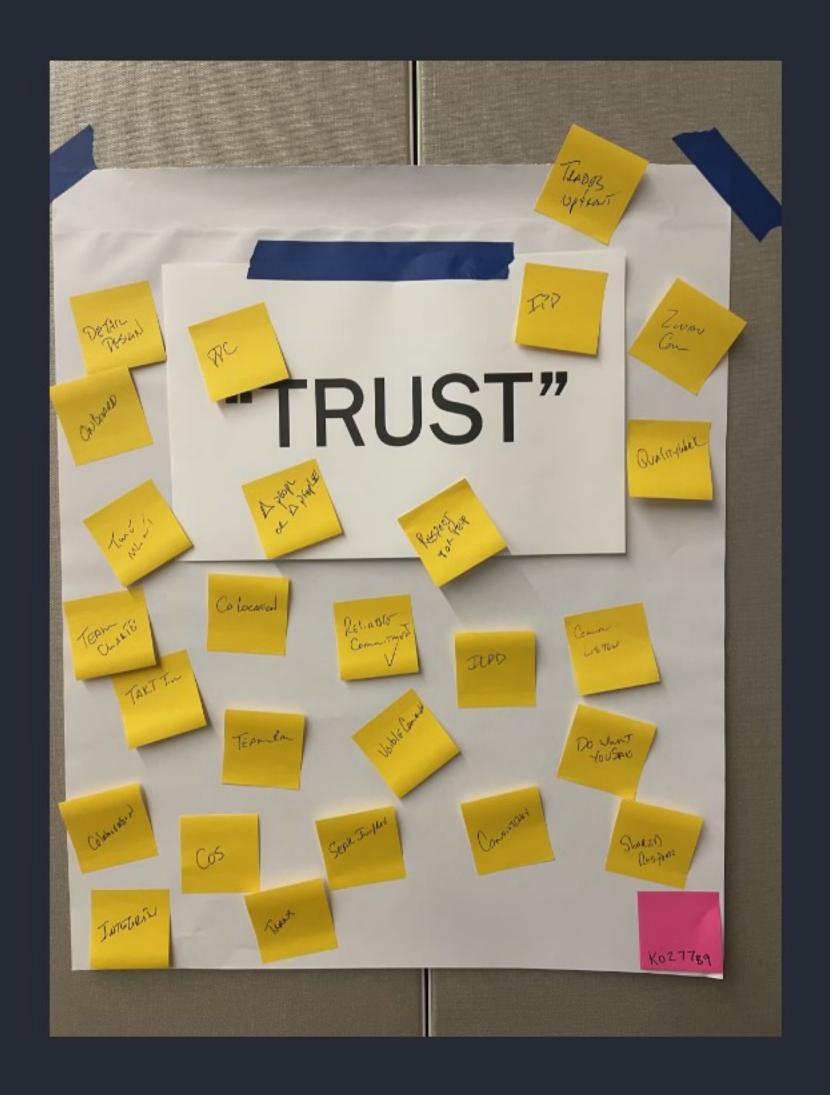
Conspectus Design Experience

Roomin









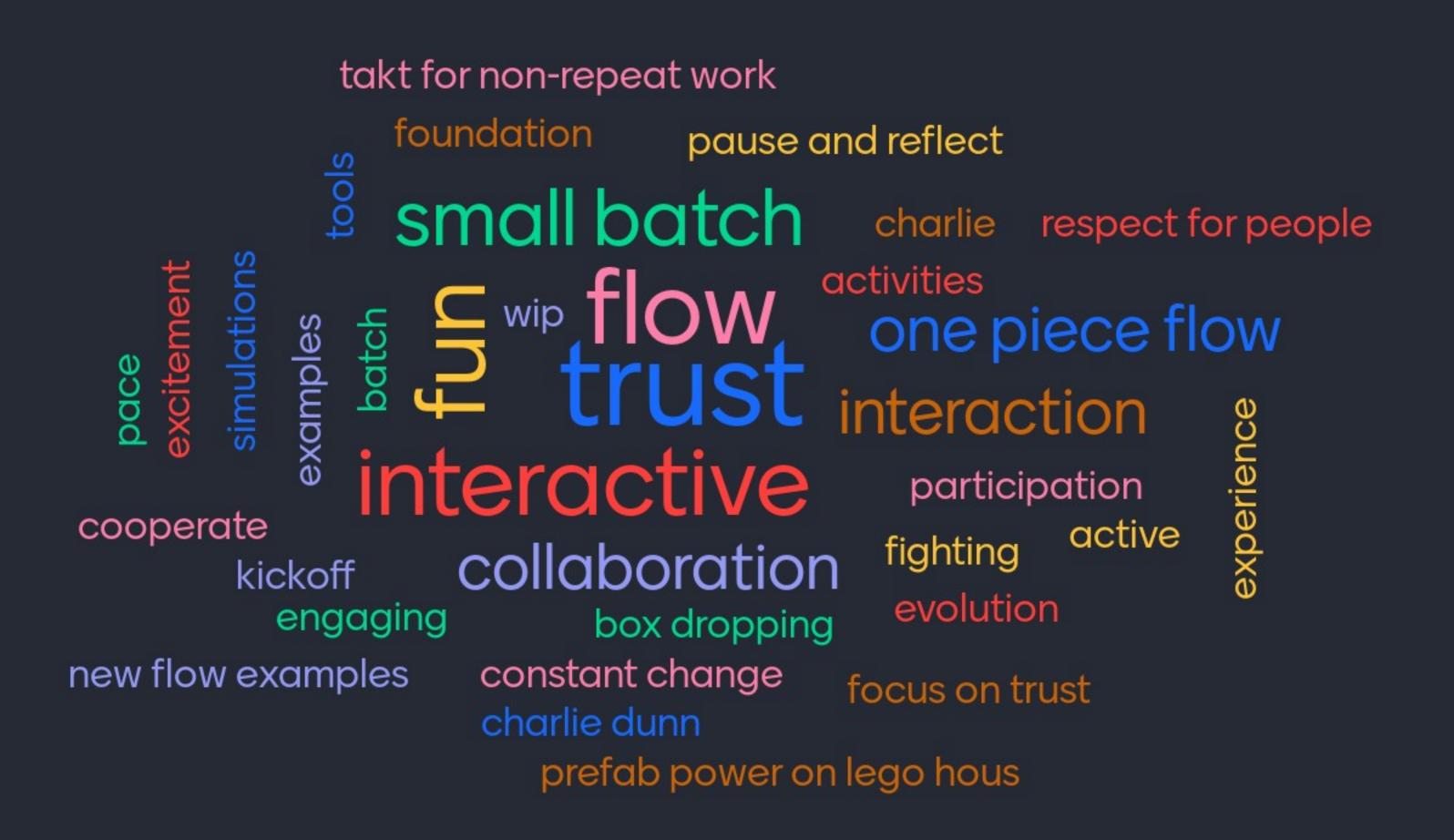


Thank you Kwant for Flow Visualization!

- → Niran Shresta, Kwant, https://www.linkedin.com/in/niranjanshrestha/
- → https://www.kwant.ai/

Opportunity

My favorite takeaway from the Flow State Experience (in one word) 57 responses







Please List any plus/delta (+, -) for this experience ... 0 responses with votes

Other responses

Grear energy

- I want to see takt with construction not just simulation

+good energy+fun activity

Excellent training on flow

+interactive

Good session

+ this was one of the best sessions I've been apart of

Awesome hands on activities

+ Hands on learning





Please List any plus/delta (+, -) for this experience ...

O responses with votes

Other responses

Very good session with high interactivity. Presenters have good energy

Good actionable learning tools & examples

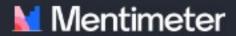
Good content, presented well

Well done

Conspectus was a good addition to session

-had to rush last 30 min with a lot of info





Imagine that which is not, and take others there with you

- Charlie Dunn

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