

How Visualization helps us navigate our Complex Environment

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Knowledge Work is Complex

and hard to navigate



An Opportunity

Discovery what others won't
Capture knowledge faster



How?



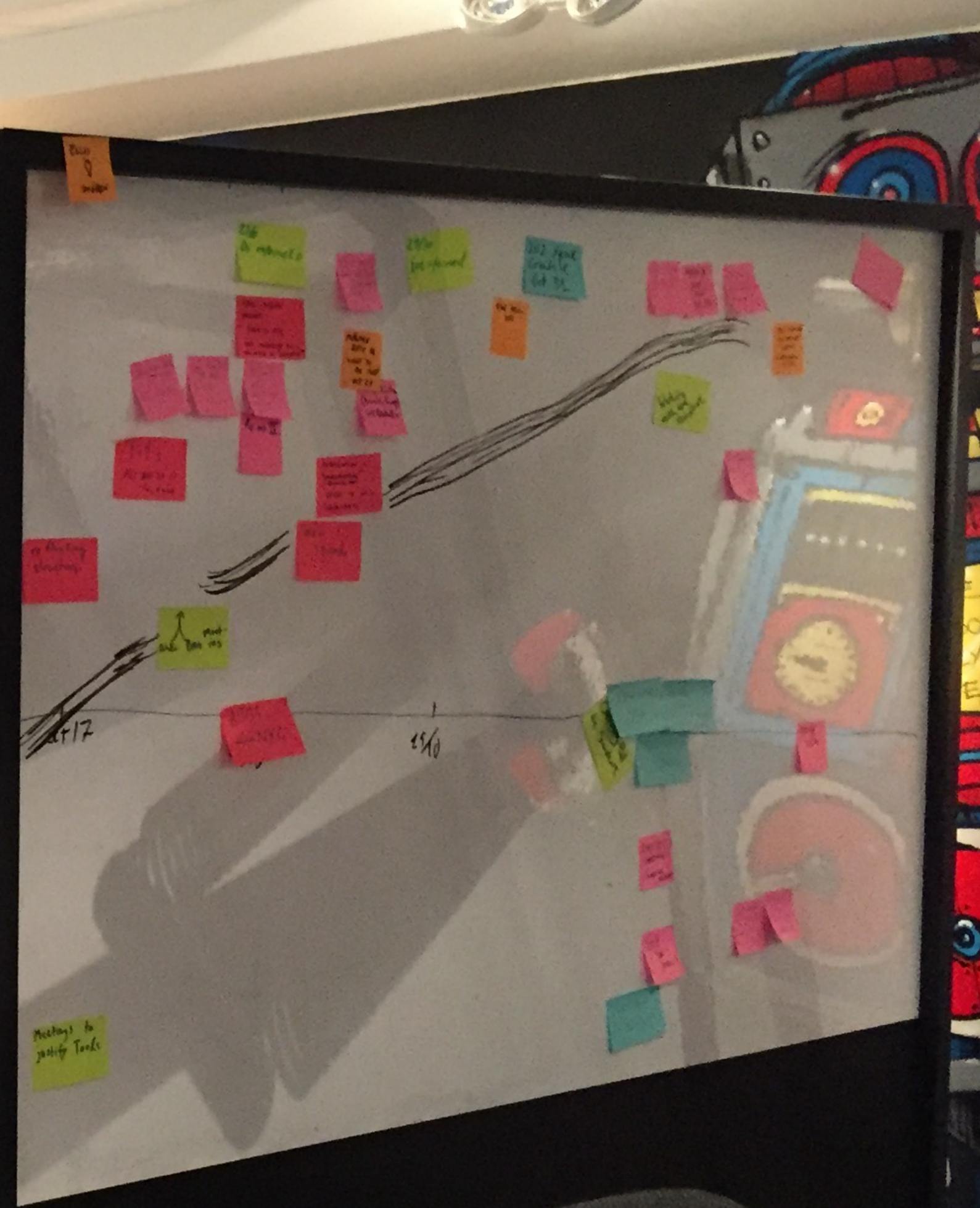
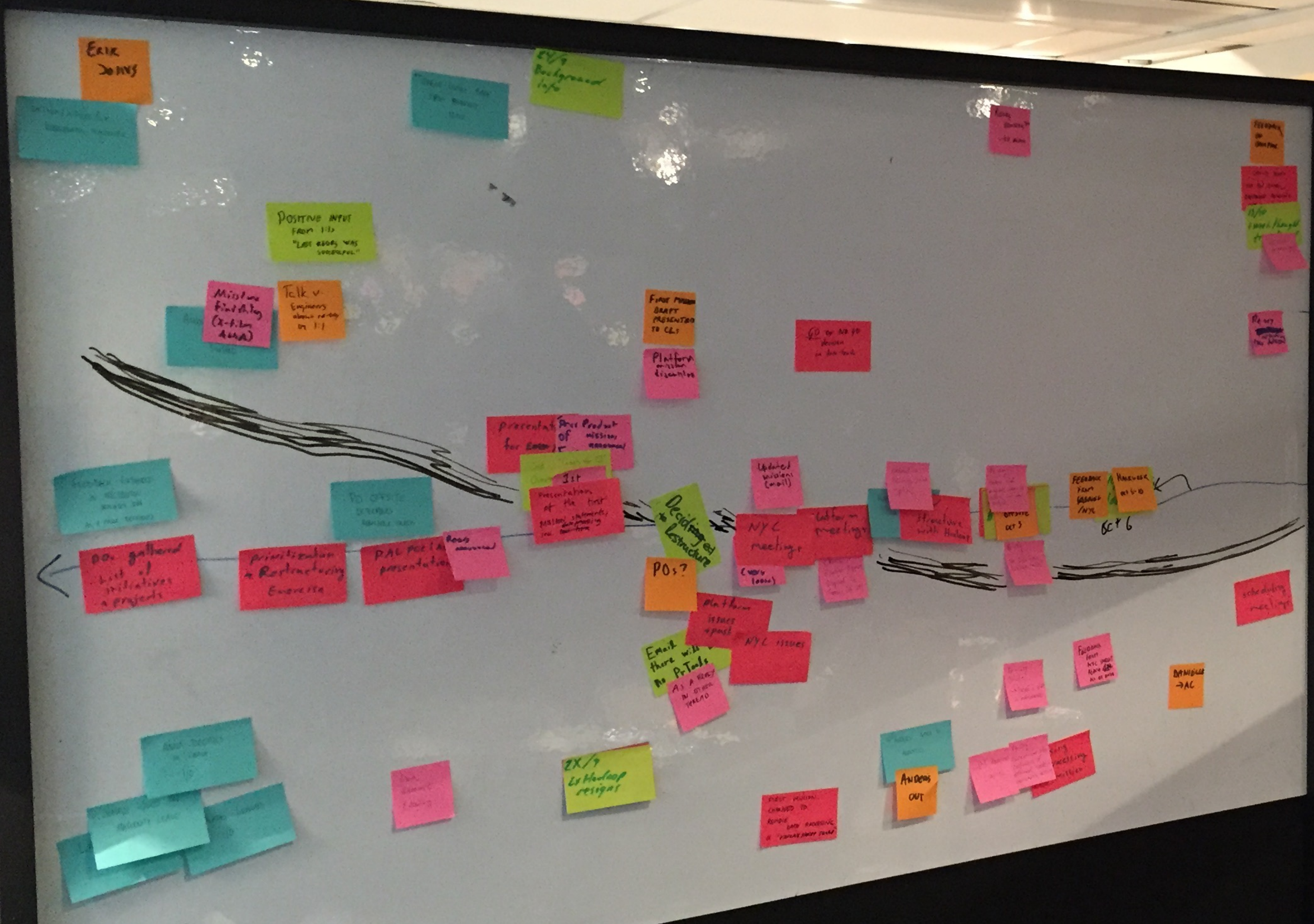
Identify
Combine
Remind



Identify

Diverse options and perspectives
and Sense quickly

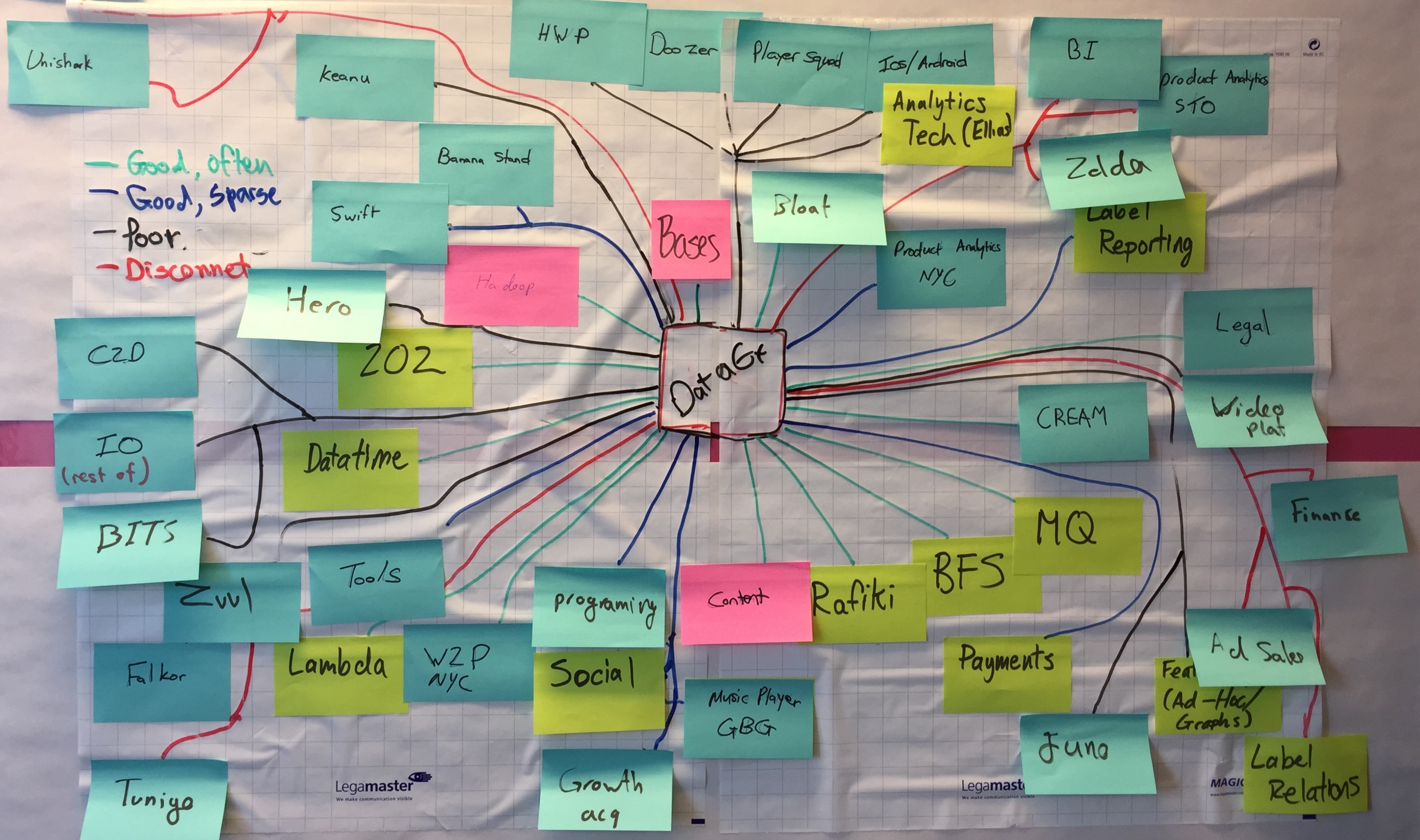




Combine

More perspective
More Coherent Decisions





Ambiguous Value

A short story



Remind

Enable context switching





Connecting
with what
they know!

Opening
Set the
Stage

Frame the
problem/
Context

Identify

Seen this hand?
what if I tell
you real - blues?

Sketchbook - up
board - notes
notes - making
understanding
...

Tell Story
Team perspective
big, effort
to making Friday
no opportunity at

"easy" of change
connected with
willingness to
"give up model"
system, identity

Conclusion

A lot of discovery
helps with understanding
and identifying
with search as
a reminder
city, members, model

describe a
city
guess?
show a picture

There is natural
complexity
and there is
what we add
it
what city helps
with better

To much
for one
head.
Beside
many

See Identify
patterns
what's
missing

Identify
options

The situation
The parts

Pictures
carry more
information
faster than
words

Most of what
moving &
changing is
knowledge
which is visible

shared
model/
common language

Decide

It's hard to
collaborate and
make decisions
when we have
different models
- bring this system
to improve

make it clear
who decides
which decisions
- when a
decision needs
to be made

Picture high
and within
Quicker &
better decisions

What should we
do next?

Intentionally
zoom in &
out of the
parts
One still aware
of broader context

Identify as
much as possible
decide quality of
the right time
more on planning
we can decide high
and be decided

Big vision
easy to update
change
easy to understand
what we are
doing

Synthesis
of group
knowledge
- making process

Visualization
helps with
order
clarity

Conversations
not just
the models

Appropriate
decisions for
the context/
system level

makes information
available to
more people
more heads
- more perspective

We want to
avoid deciding
until last minute
optionality & max

we many factors
influence decisions
capture many as
possible

What to focus on/
discuss in a
meeting

Big identity
shared
what we are
doing
what we are
not doing

Conclusion
Link back
to city
Bring you in

What
clear
important?

Alignment
forward
motion
↳ enables
collaboration
satisfying
what's going on
and are you
into better decisions

Remind

reminder
Vacation/fits
first context
Smith.

Keep track of
what we decided
why & when

Where were we
last time
- going on
- what did we
learn/decide



do this
visually

"Navigating
in a complex
environment"

THIS?

FROM USER STORY TO PRODUCTION

EXAMPLE:
A QUICK BUG FIX TO A SCREEN THAT IS DEPRECATED w/ YEARS

QUESTION: IS THIS THE WAY TO GO?

TO MAP OUT ALL THE TIME IT TAKES TO GET SOMETHING TO PRODUCTION

HOW TO FIND A QUICK WAY TO GET SOMETHING TO PRODUCTION

THE WAY TO GET SOMETHING TO PRODUCTION

THE WAY TO GET SOMETHING TO PRODUCTION

THE WAY TO GET SOMETHING TO PRODUCTION

LEGEND

TIME ESTIMATE

REAL VALUE ADDED

VALUE INCREASING ACTIVITY

MANUAL ACTIVITY

NON-MANUAL ACTIVITY

PLANNING

DEV

TEST

GET ASSIGNED STORY TASK AT STANDUP

CHECK OUT CODE

GIT BRANCH

WRITE FAILING TEST CASE

RUN FAILING TEST CASE

EDIT CODE IN IDE/EDITOR
FIX BUG

THE ONE TEST TO RUNNER BUG IS WORK

ALL UNIT TESTS ARE RUN LOCAL

RUN INTEGR TESTS LOCAL

GIT COMMIT + PUSH

GIT PUSH TO BRANCH

THE BRANCH IS MERGED W/ PRODUCTION

DEPLOY

DEV TEST

DEPLOY TO PROD

TEST IN PROD

REDUCE RESPONSIVITIES
INCREASE TEST COVERAGE

-fix bug

WAS TO WANT TEST TO PASS A FULL DEPLOYMENT

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STICKIE NOTES
ART GALLERY

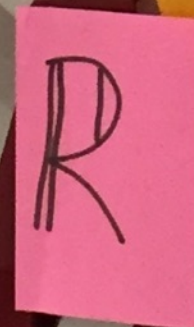


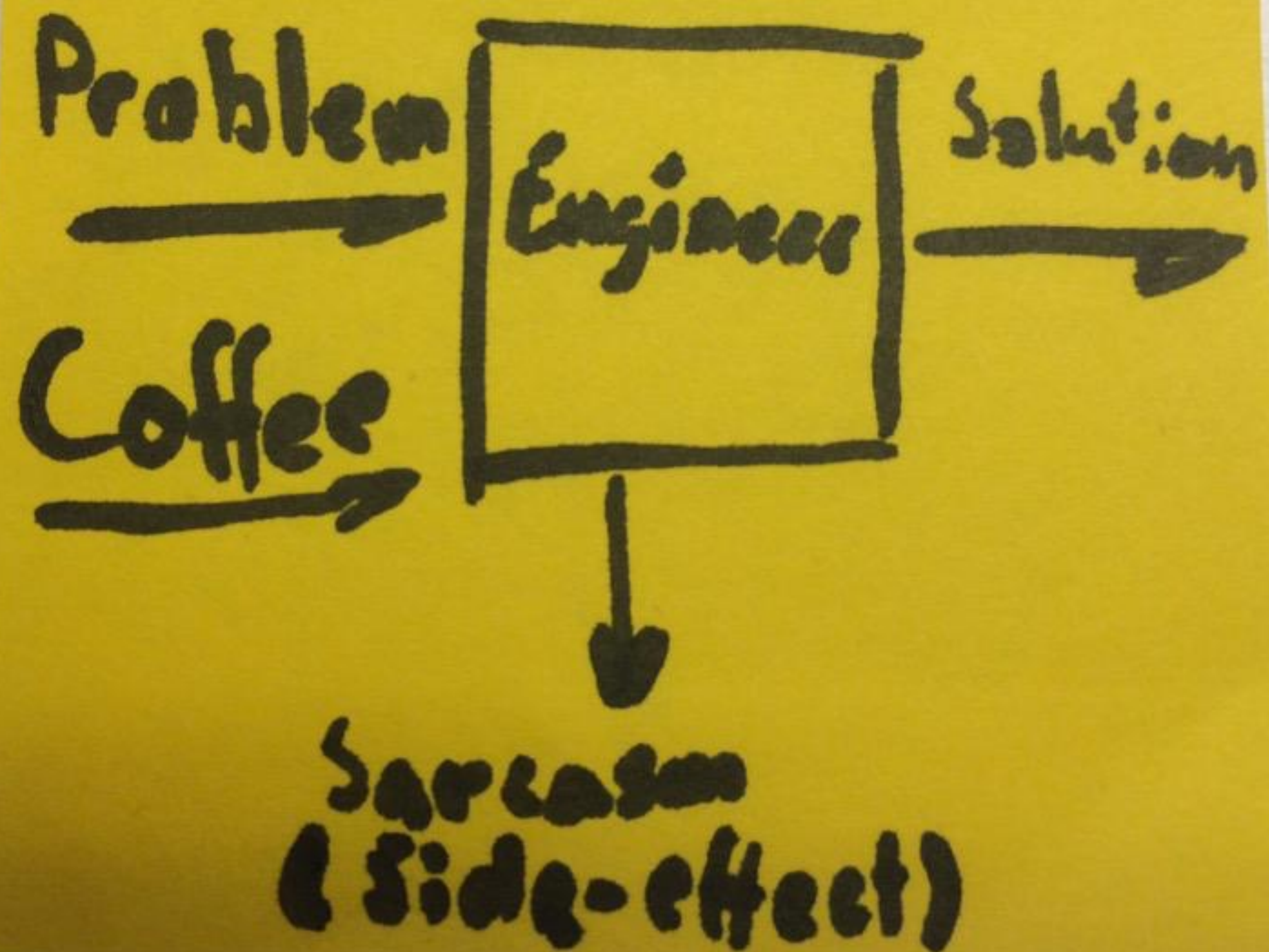
Think it

BUILD IT

Ship it

TWEAK IT





Some Tips

BIG

Reusable

Easily changed

Persistent





Thank you

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