

# DDD North 2015

## credits

Derek Graham @deejaygraham  
Steven Hill @MrStevenHill

# sketchnoting for developers

Derek Graham  
@deejaygraham

## SKETCHNOTING

DEREK  
GRAHAM



- INFORMATION LADDER
- WHEN WE ARE KIDS WE DRAW
  - ALL CHILDREN ARE ARTISTS
- VISUAL THINKING

AGILE 2015  
\* LITTLE BOOK OF SKETCHNOTES - EBOOK \*  
- JIRA  
USED BY ATLASIAN - ON WALLS

"THE WINNER IS THE BEST IDEA, NOT THE  
BEST ARTIST"

- NO 'CORRECT' WAY
- COMMUNICATION

\* THE SKETCHNOTE HANDBOOK \*

- USE SYMBOLISM

△△△ = TEAM

- MINIMAL

COLOURS TO HIGHLIGHT

- SINGLE PEN



X 1

- INDIVIDUAL STYLE



= Book

- CAN USE A TABLET

Look AT  
PEOPLES  
NOTES  
EXAMPLES  
ONLINE

WTF. - MEMORABLE



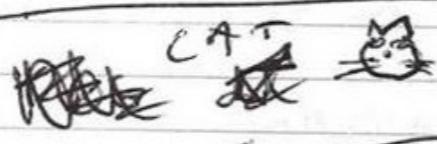
- BCG PICTURE

- CONCEPTUAL

# SCIENCE

HANDWRITING > KEYBOARD  
VISUAL > TEXT

Dual coding OO PAIR  
theory NN PROGRESSION



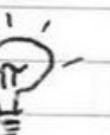
MULTIMODAL  
+ DRAWING  
AIDS MEMORY

REASONS NOT

- IMMEDIATE RECALL
- TOTAL CLARITY NEEDS

YOU DON'T NEED

TO BE AN ARTIST  
DRAW + SKETCH  
(MATERIAL)



IDEAS NOT ART

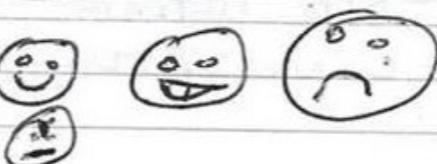


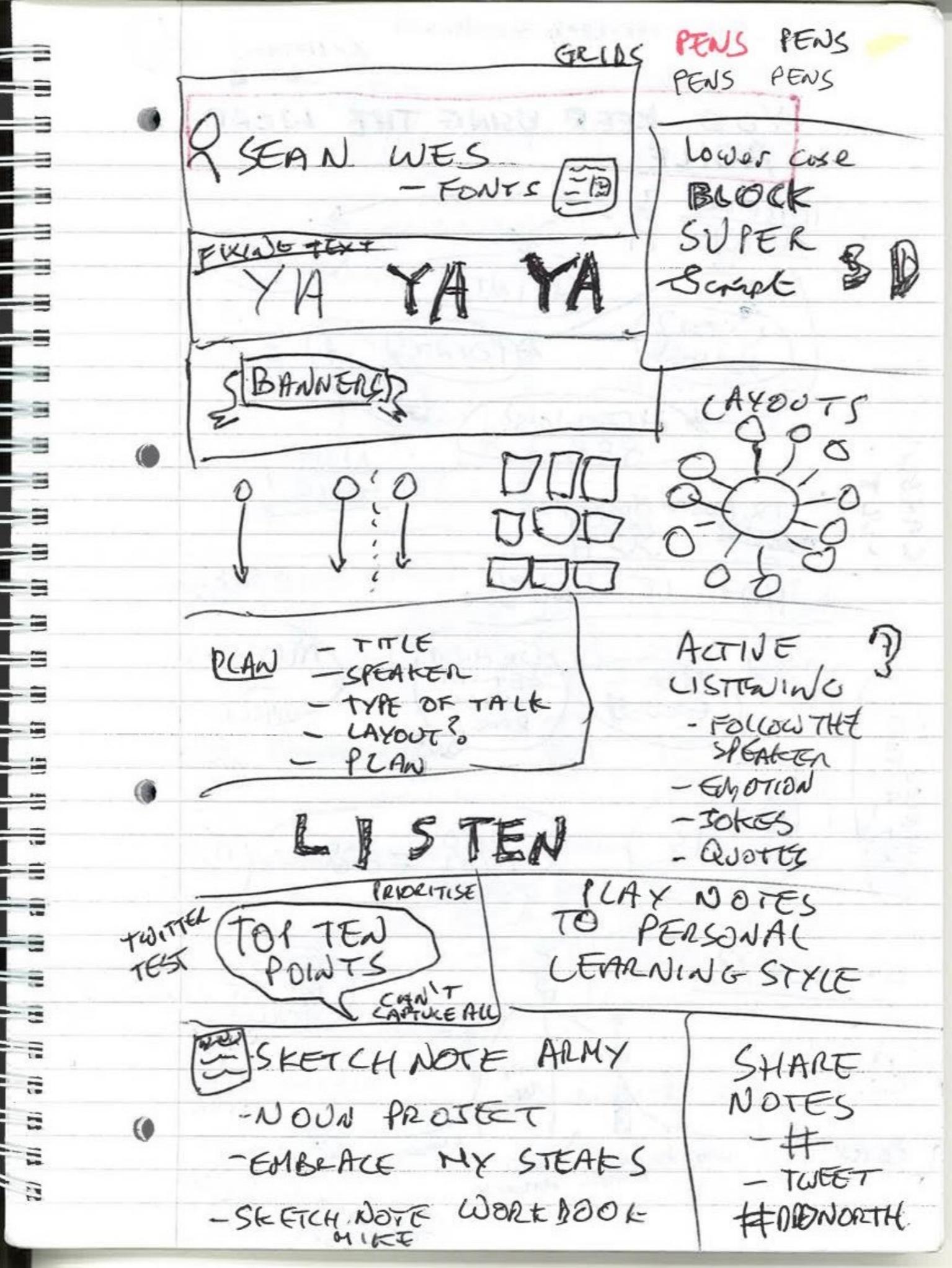
GRAPHIC FACILITATION

JEANNET KING

WHAT YOU DRAW IS  
GOOD ENOUGH

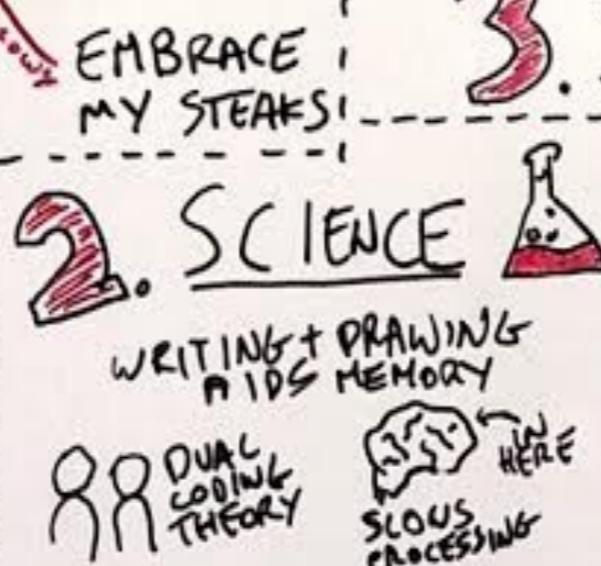
USE  
EMOTICONS





# SKEETCHNOTING

BY MR STEVEN HILL



## 3. STYLES

lower case  
**SUPER BLOCK**

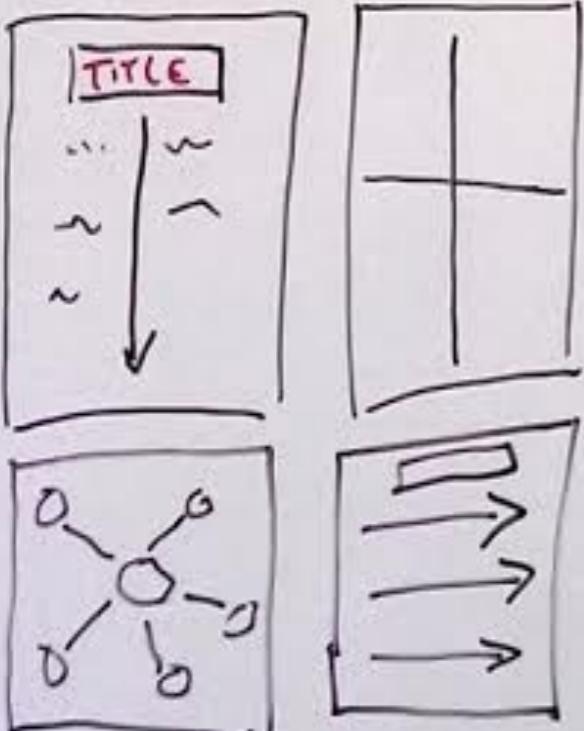
Script

TEAM



## 4. LAYOUT

PLAN IN ADVANCE  
OR FREE STYLE



## 5. LISTEN

ACTIVE LISTENING  
+ FOLLOW THE SPEAKER  
+ HIGHLIGHT EMOTION  
+ JOKES  
+ QUOTES

CAPTURE  
MOST  
IMPORTANT  
POINTS

THE TWITTER TEST  
NOT JUST WORDS

EMBRASSING  
SPACE  
MAKE SKETCHNOTING

## 6. SHARE

TWEETS  
BLOGS  
WHITEBOARDS  
WALLS

#HASH  
TAGS

## 7. FURTHER READING

- SKETCHNOTE ARMY



- NOUN PROJECT

@ DEEJAYGRAHAM

@ BOHDESIGN  
FINDING MARBLES

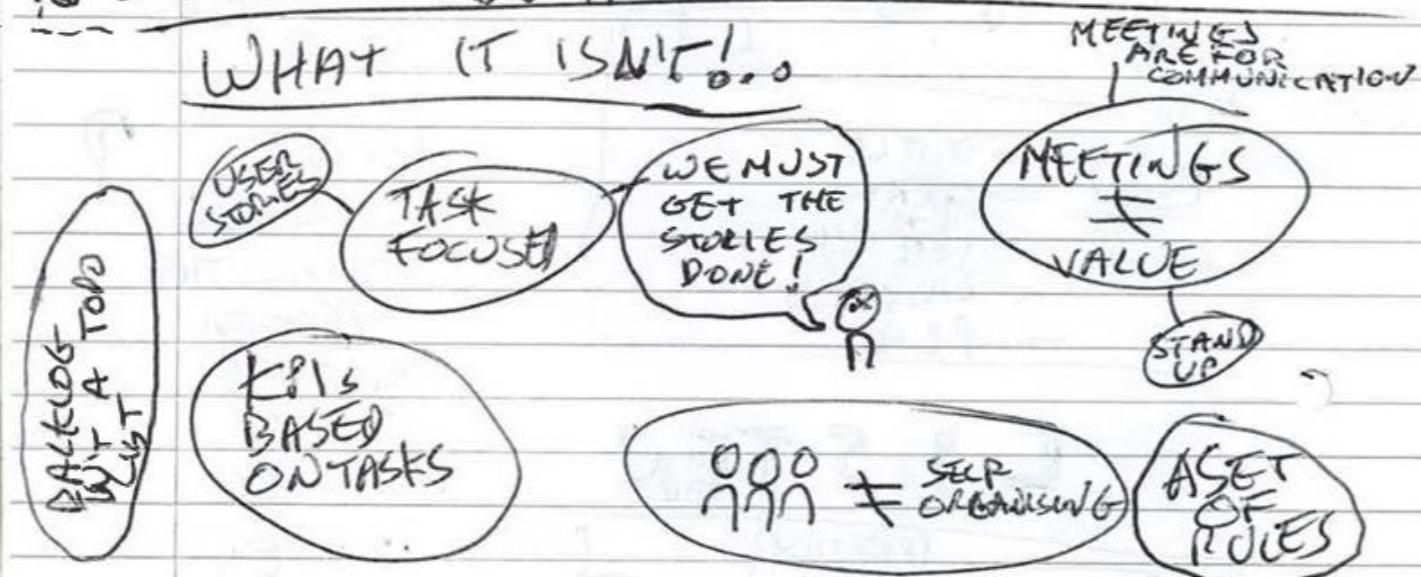
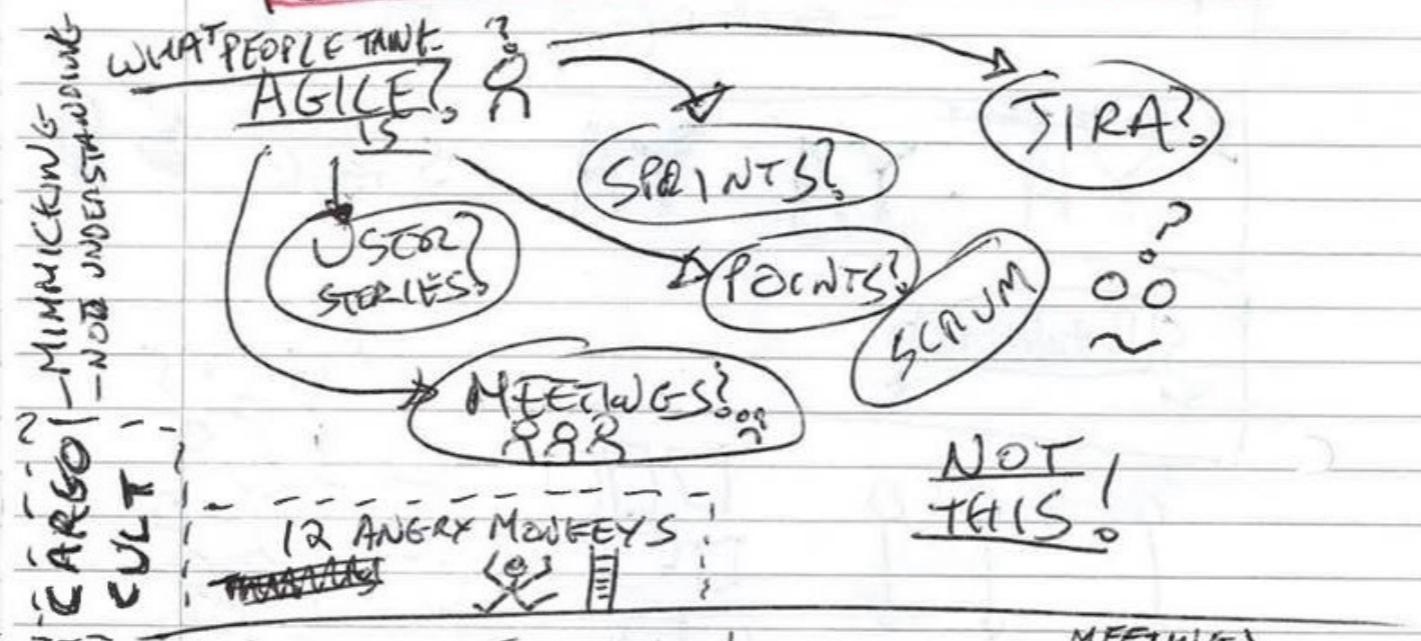
SEANWES.COM

JEANNELING.COM

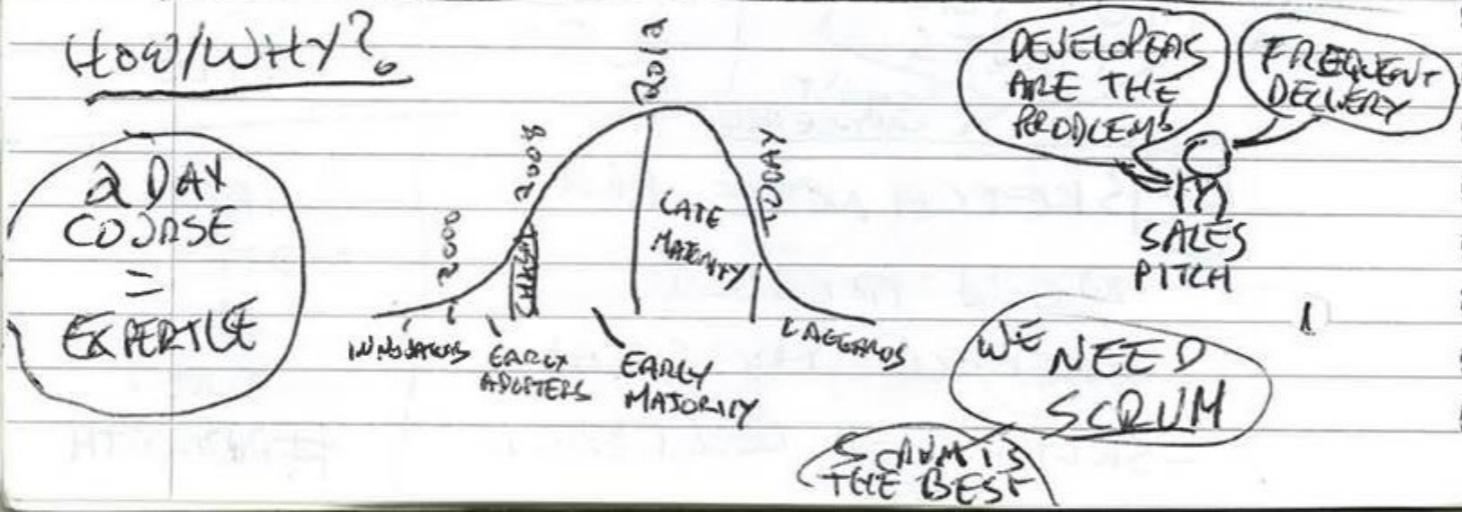
You keep using the word agile,  
I do not think it means what  
you think it means  
Nathan Gloyn

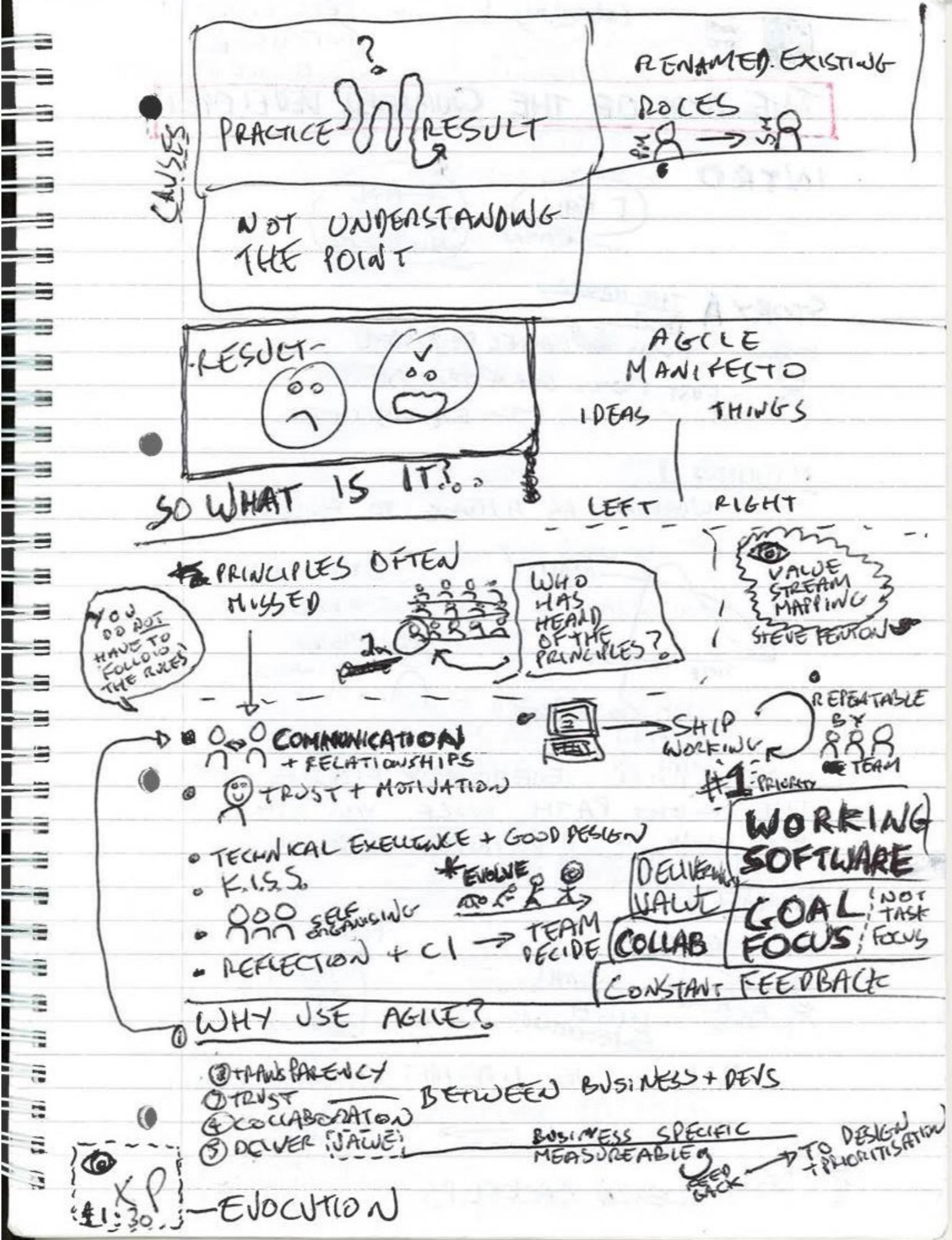


## YOU KEEP USING THE WORD AGILE...



HOW/WHY?





Azure: the good parts

Richard Tasker  
@ritasker

DDD North  
2015



Web Apps



@ritasker

the good parts:

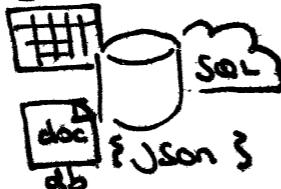
deploy  
with  
or PowerShell

STAGING PRODUCTION



OnStart() → OnRun() → OnStop()

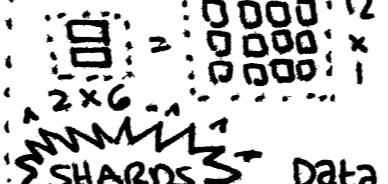
SETUP PRE-  
REQUISITES      NORMAL OPS      TIDY UP!



- basic
- std
- premium

ELASTIC  
SCALE

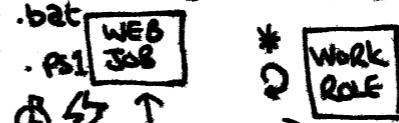
DTU



Σ SHARDS

Data

.cmd, .py  
.bat  
.ps1



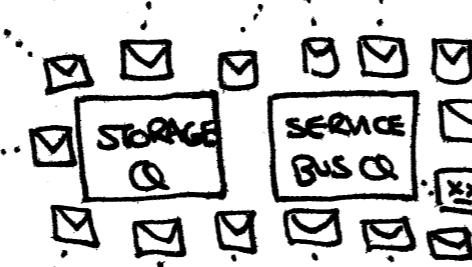
DEPLOYMENT &  
DISTRIBUTION

richard dalton -  
mind your own business  
@richarddalton

TROY HUNT

"Have I been pwned"

ARTIFICIAL DELAY!

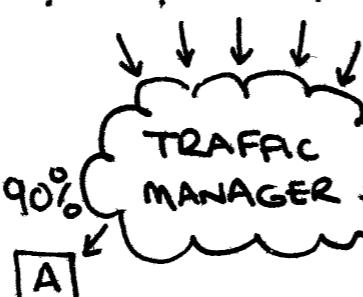


QUEUE → TOPICS → EVENT  
RELAYS ↔ HUBS

DEAD!

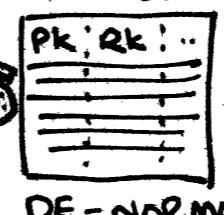
Web Job  
single  
short jobs

worker  
independent  
scaling



APIM

CQRS



@deejaygraham

# Microservice Architectures

Peter Shaw  
@shawty\_ds

DDDNorth  
2015

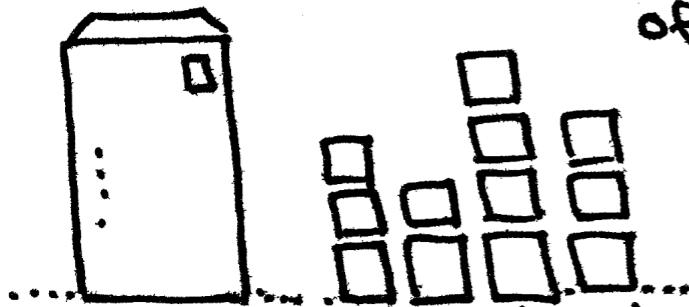
# Microservice Architectures

PETER SHAW

@shawty-ds



Architectural  
Design Pattern

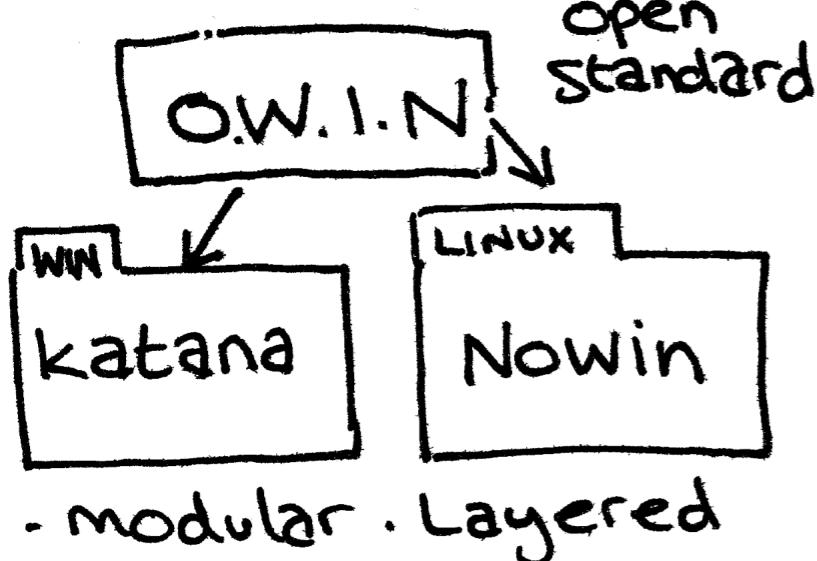


separation  
of concerns  
not  
platform  
specific

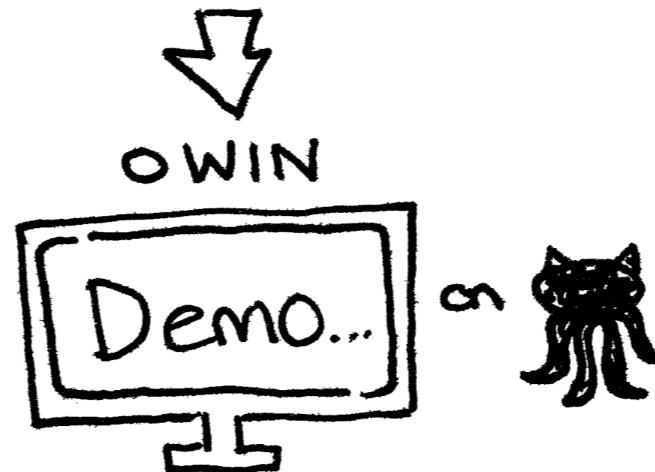
MONOLITH / 1 orders  
review customers recommend



\* Higher Maintenance cost \* Data Islands  
\* Monitoring: ALL THE THINGS!



## System.Web



NANCY  
FX  
@deejaygraham

# The myth of the qualified developer

Pete Smith

## THE MYTH OF THE QUALIFIED DEVELOPER

### INTRO

I FAIL  
OFTEN

I AM  
ALWAYS  
AWESOME

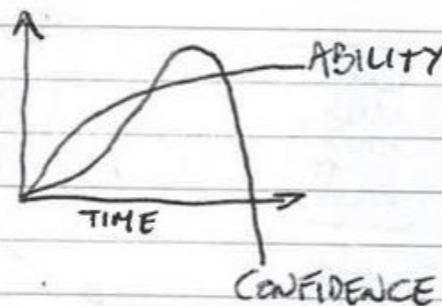
### STORY A THE MASTER PLAN

STUDENT - I WILL BE A GAMES DEVELOPER

- FIRST I WILL GET A TEMP JOB  
IN 5 YEARS LATER

### MISTAKE 1

- WORKING AS A MEANS TO AN END



ZERO INPUT  
= ZERO OUTPUT

DOUBT  
AM I WRONG?

"YOU WILL EVENTUALLY FIGURE OUT  
THE RIGHT PATH ONCE YOU START  
WALKING IN A DEFINITE DIRECTION!"

### MISTAKE 2

- COASTING

GOT  
A NEW  
JOB - YEAH!  
HIGH  
EXPECTATIONS

Job VS Warcraft

HOME TIME - LIKE  
SECOND  
JOB

World  
of  
Warcraft

4-5 HOURS  
4-5X A WEEK

IDEA - LEARN BACKENDS  
SIMILAR

YOU ARE  
THE ONLY  
PERSON IN  
CONTROL OF  
YOUR OWN DESTINY

#1 POINT  
NEVER ASSUME YOU HAVE  
FINISHED LEARNING

MISTAKE 3

~~DISRESPECT~~

- YAY! AGAINST OTHERS

DON'T JUDGE YOUR PROGRESS

FRANK - I CAN DO CODE

ERM?  
- NO

MISTAKE

DON'T DO THINGS BECAUSE  
~~EVERYONE ELSE IS~~

"WE HAVE ALWAYS DONE IT THIS WAY"

LISTEN PLEASE

- NO

NEED TO  
HAVE MORE  
AUTHORITY?

MISTAKE - IGNORING THE PERSONAL TOUCH

[CRITICISM] CODE CAN ALSO INSULT THE  
COMPANY / DEVELOPER.

LEARN FROM FAILURE  
FAILURES IS CONSTRUCTIVE

IF YOU ARE RIGHT  
DON'T BE A DICK!  
DON'T ASSUME OTHERS ARE - LEARNING  
LIKE YOU IS HARD

WHY IS THE TEAM GETTING WORSE? - WHY  
MANAGEMENT LISTEN

SHOOT RESPONSIBILITY - OUT ZOOGO - WHAT NOW  
LEAVE  
DE A CONTRACTOR

MISTAKE

- NOT EXPECTING TO FAIL
- WE FAIL WHEN WE LEAST  
EXPECT IT
- DON'T WAIT FOR OTHERS TO FIX YOUR PROBLEM

# Monoliths to Microservices. A Journey

## Sam Elamin

NEED TO  
GET BETTER  
AT PORTRAITS

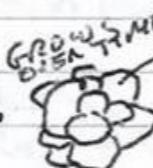
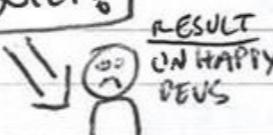
SAM ECAMIN  
@SAMECAMIN

## MONOLITHS

TO MICRO SERVICES

FAIL FAST

WHY DO MONOLITHS  
GET BUILT?



- ONE DB
- UNKNOWN INFLUENCE
- LONG + COMPLEX PROJECTS

MICROSERVICES

PUB - SUB

PUBLISHER

MESSAGE

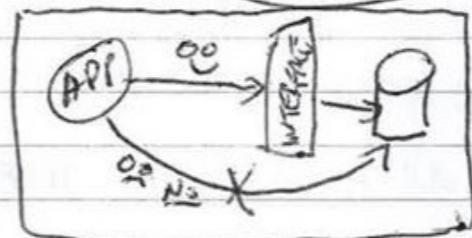
TOPIC

DOMAIN  
DRIVEN  
DESIGN

ERIC EVANS

SUBSCRIBER

SUBSCRIBER



RACE HAZARDS!

- THINGS HAPPENING IN WRONG ORDER
- IMPACT ON CUSTOMERS

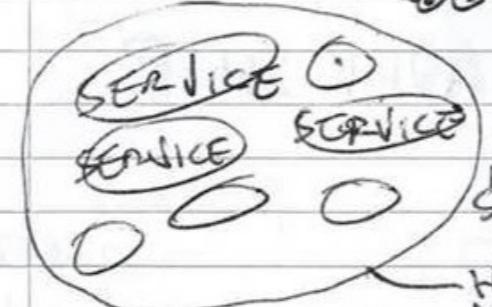
LOGICAL GATES

TESTING IS  
HARD!

UNCLEAR  
BOUNDARIES

DEPLOYMENT NEEDS  
TO BE CONSISTENT!

FIREWALL = STRICT  
SCOPE  
REVIEWS



- TOO MANY SERVICES
- COMPLEXITY IN NUMBER
- HEALTH
- HOW TO MONITOR
- STATE
- SELF-MONITORING
- SERVICES CAN TACK

REDUCED CODE COMPLEXITY  
INCREASED INTERACTION COMPLEXITY

GET THE BUSINESS INVOLVED

- DON'T DICTATE THE SOLUTION
- HELP THEM UNDERSTAND

## ! DATA DUPLICATION

PREFER DUPLICATED DATA THAN SYSTEMS?

## ORCHESTRATION & LAYER

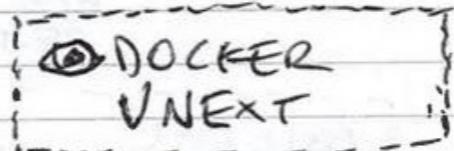
- CONTROL ORDER OF EVENTS
- MANAGE DEPENDENCIES

## FAILURE HANDLING

BUSINESS CONFIDENCE  
IN DEVELOPERS

CODE OWNERSHIP

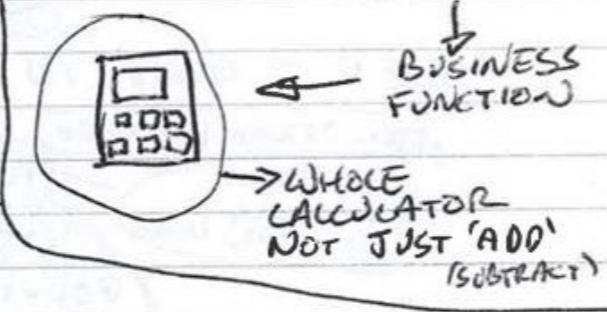
- STATS
- MONITORING
- ORDER NUMBERS



TRY WRITING NEXT FEATURE AS A SERVICE

AUTOMATED DELIVERY  
IS A REQUIREMENT

- ~ DEPLOY 1+ SERVICES AT ONCE



BUSINESS FUNCTION

→ WHOLE CALCULATOR  
NOT JUST 'ADD'  
(SUBTRACT)

# Logging & Monitoring

Joel Hammond-Turner  
@ramesses

# DDD NORTH 2012



LOGGING

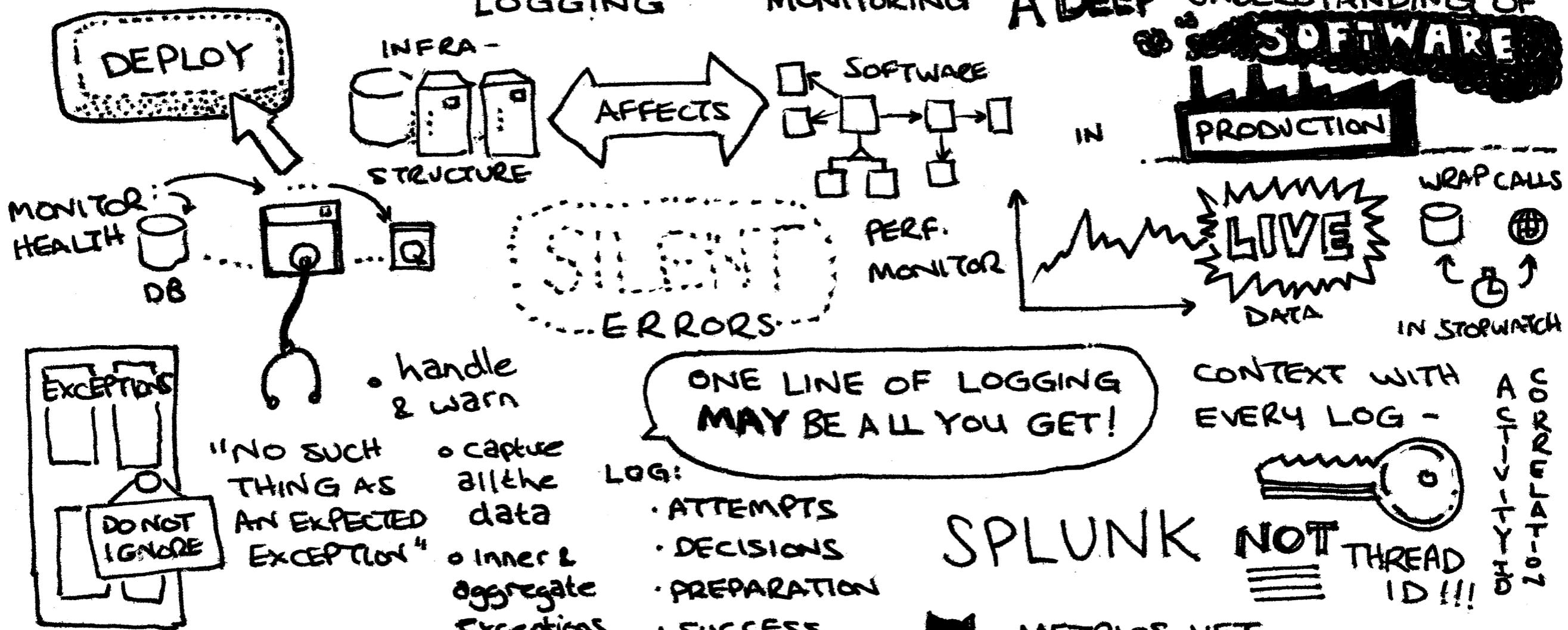


MONITORING

Joel Hammond - Turner @rammuses

A DEEP UNDERSTANDING OF

SOFTWARE



"LOG AS IF YOU  
WON'T HAVE  
ANYTHING ELSE!"



raygun.io

@deejaygraham



METRICS.NET

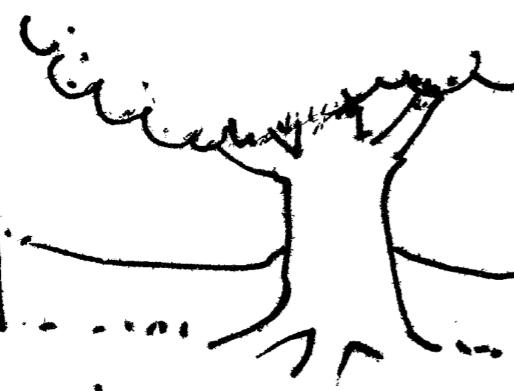
SERILOG

ETW

AKKA DINERS

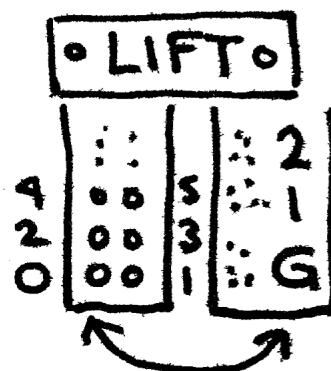
# Don't Make Me Feel Stupid

Liam Westley  
@westleyl



Don't make me feel  
**STUPID!**

embrace different paths



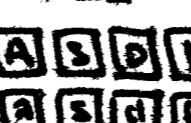
Regional Variation:

WINDOWS

TMI



APPLE  
TLI



who moved



Android

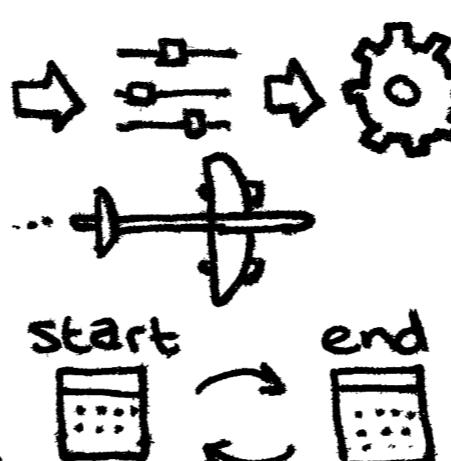
Surprise  
your user  
in a good  
way!



Beware  
the  
end  
of  
March!

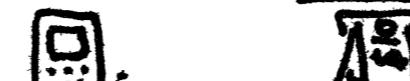
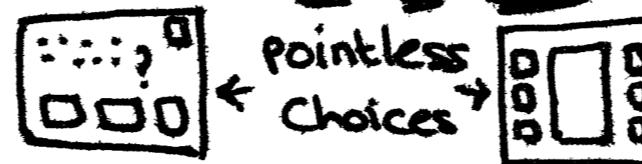
start

end



liam Westley **DDDNorth**  
@westley1 2015

IF YOU DON'T BUILD  
IT, BE READY FOR  
YOUR USERS TO TRY  
TO BUILD IT



make friends with  
your designers



PUSH

Affordances



"We can and should question design decisions" @deejaygraham

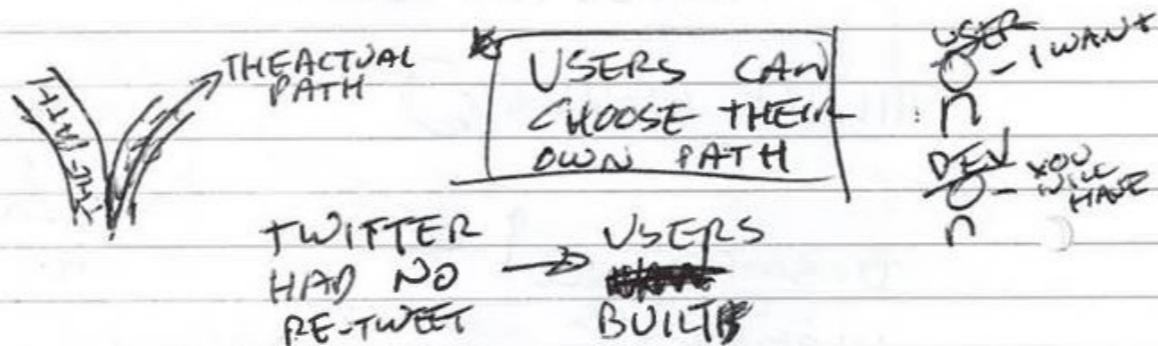
## DON'T MAKE ME FEEL STUPID



MOBILE  
TABLET.

VARIOUS  
UI

"TWO ROADS DIVERTED IN A WOOD, AND  
I TOOK THE ONE LESS TRAVELED..."



REGIONAL DIFFERENCES



CHOCOLATE CHANGED TO AMERICAN UK MAD!

RED = GOOD IN CHINA

AFTER OUTLOOK HAS CLOSED

OUTLOOK

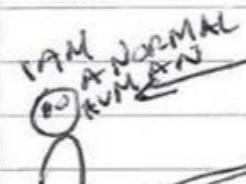
YES (NOW FANCY)

POINTLESS DECISIONS

POINTLESS DECISIONS

TOO MUCH INFORMATION

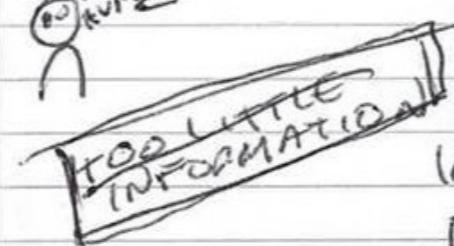
OOOOOPPO NOTIFICATIONS



TECH TERMS

"RESTORING VIEWSTATE"

ERROR MESSAGES "SOAP ERROR"



IOS KEYBOARD CASE



OLD



NEW

1

## CONSISTENCY

RECEPTION G  
(press 0)

45  
3  
01

ANDROID SETTINGS  
MENU  
↳ KEEP  
CHANGING

ctrl+F = FORWARD  
GMAIL IN OUTLOOK NOT FIND

## SURPRISE YOUR USERS

IN A GOOD WAY



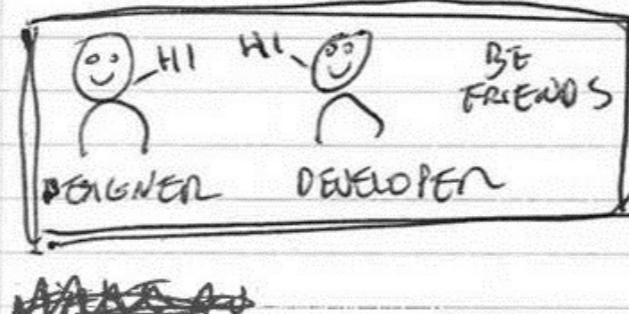
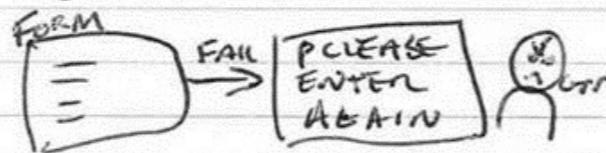
AUTO  
CENSOR  
VOICE  
MESSAGES

SWITCHING DATES

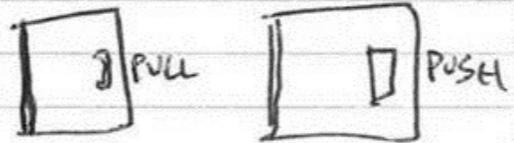
- CONFIRM FOR  
IMPORTANT/RISKY  
CHANGES

24/07  
↓  
07/24

## ENTER USER DETAILS



AFFORDANCE  
- GUIDING HAND  
TO USERS



Don't Make Me Feel Stupid

Liam Westley  
@westleyl