

# Developer!

## Developer Developer

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### UK Community Events



sketchnotes from

# DDD North 2015

October 24, 2015

Sketchnoting is a visual way of storing ideas which boosts concentration and memory ...it's great fun too!

Here is a series of sketchnotes which we have gathered from the DDDNorth Conference 2015. Many of these were taken by people who had little or no experience of sketchnoting prior to the conference.

We hope we can inspire you to try out sketchnoting for yourself.

sketchnotes by

Matt Ferron @Matt\_Ferron

Derek Graham @deejaygraham

Steven Hill @MrStevenHill

Ste Prescott @ste\_prescott

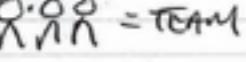
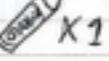
Naeem Sarfraz @naeemsarfraz

# sketchnoting for developers

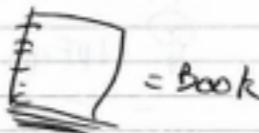
Derek Graham  
@deejaygraham

## SKETCHNOTING

DERRIC GRAHAM

- INFORMATION LADDER
- WHEN WE ARE KIDS WE DRAW  
ALL CHILDREN ARE ARTISTS → PICASSO
- VISUAL THINKING
- AGILE 2015
- \* LITTLE BOOK OF SKETCH NOTES - EBOOK\*
- USED BY ATLASSIAN - ON WALLS
- "THE WINNER IS THE BEST IDEA, NOT THE BEST ARTIST"
- DO 'CORRECT' WAY
- COMMUNICATION
- \* THE SKETCHNOTE HANDBOOK \*
- USE SYMBOLISM  = TEAM
- MINIMAL COLOURS TO HIGHLIGHT
- SINGLE PEN  X1
- INDIVIDUAL STYLE
- CAN USE A TABLET
- WHY? - MEMORABLE 
- BIG PICTURE
- CONCEPTUAL

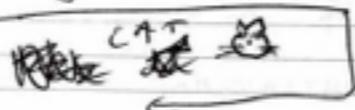
Look at  
PEOPLES  
NOTES  
EXAMPLES  
DURING



## SCIENCE

HANDWRITING > KEYBOARD  
VISUAL > TEXT

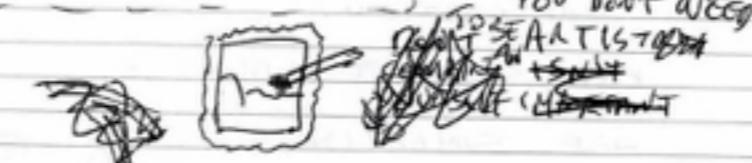
oval coding 20 pair theory 17 percentual



WRITING + DRAWING AIDS MEMORY

REASONING NOT

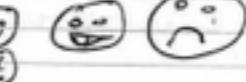
- IMMEDIATE RECALL  
- TOTAL CLARITY NEEDS



IDEAS NOT ART

GRAPHIC FACILITATOR  
JEANNIECK KING

WHAT YOU DRAW IS  
GOOD ENOUGH

USE EMOTICONS 

SEAN WES

- FONTS

FIXED TEXT

YA YA YA

BANNERS

PENS PENS  
PENS PENS

lower case  
BLOCK

SUPER Script

3D



PLAN  
- TITLE  
- SPEAKER  
- TYPE OF TALK  
- LAYOUT?  
- PLAN

## LISSTEN

TWITTER TEST  
TOP TEN POINTS  
TRY TO CAPTURE ALL

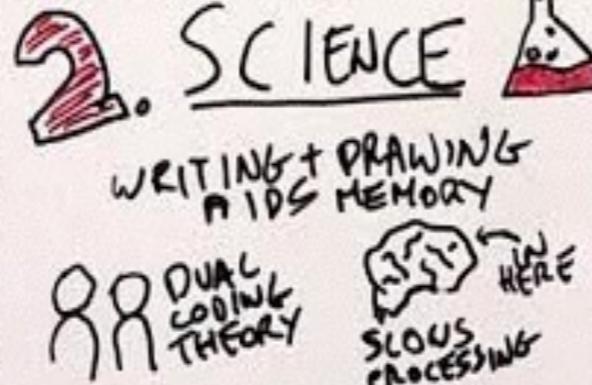
PLAY NOTES  
TO PERSONAL  
LEARNING STYLE

SKETCH NOTE ALAMY  
- NOUN PROJECT  
- EMBRACE MY STEAKS  
- SKETCH NOTE WORKBOOK

SHARE NOTES  
- #  
- TWEET  
#DIDNORTH

# SKEETCHNOTING

BY MRSTEVENHILL

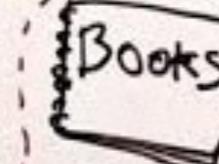


**3.** STYLES

lower case  
**SUPER BLOCK**

Script

TEAM



Books

INDIVIDUAL



**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  
SKETCHING

**6.** SHARE

TWEETS  
BLOGS  
WHITEBOARDS  
WALLS

#HASH  
TAGS

**7.** FURTHER READING

- SKETCHNOTE ARMY



- NOUN PROJECT

- @ DEEJAYGRAHAM

- @ BOHDESIGN

- FINDING MARBLES

- SEANWES.COM

- JEANNELING.COM

IoT Development Fun with  
.NET and Raspberry PI  
Christos Matskas  
@ChristosMatskas

IoT / Internet of Things  
+ People + Money + Devices → IoT



@Matt\_Ferron

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

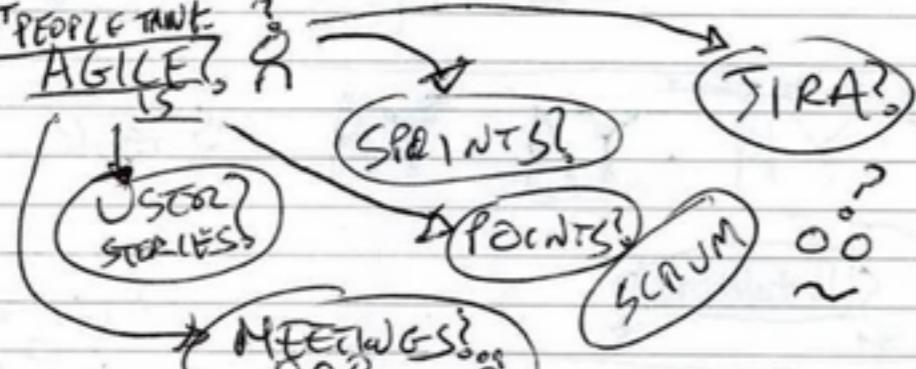


@ste\_prescott

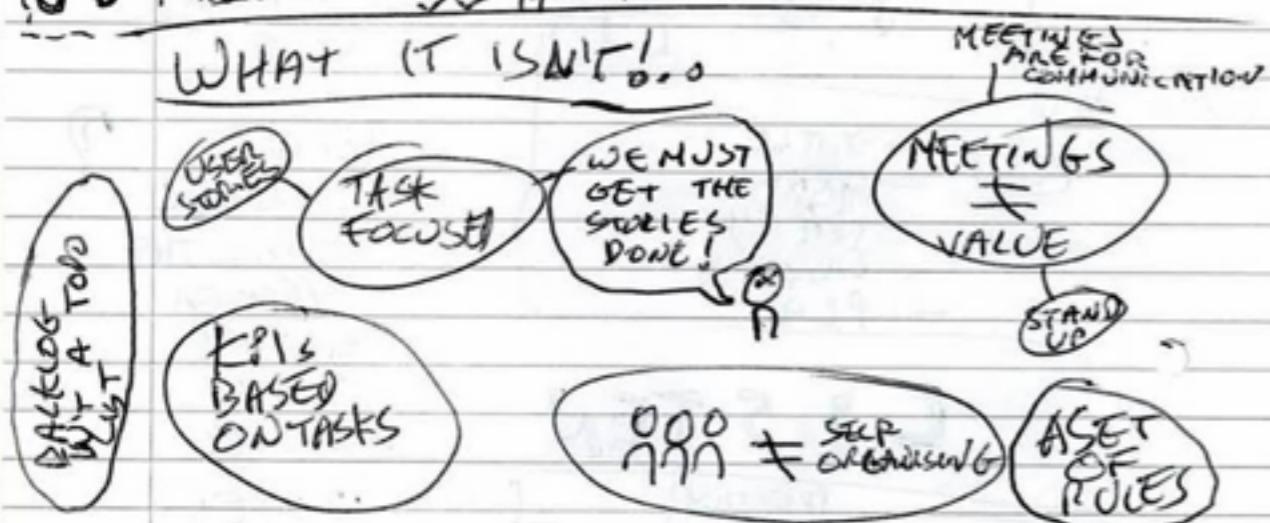


## YOU KEEP USING THE WORD AGILE...

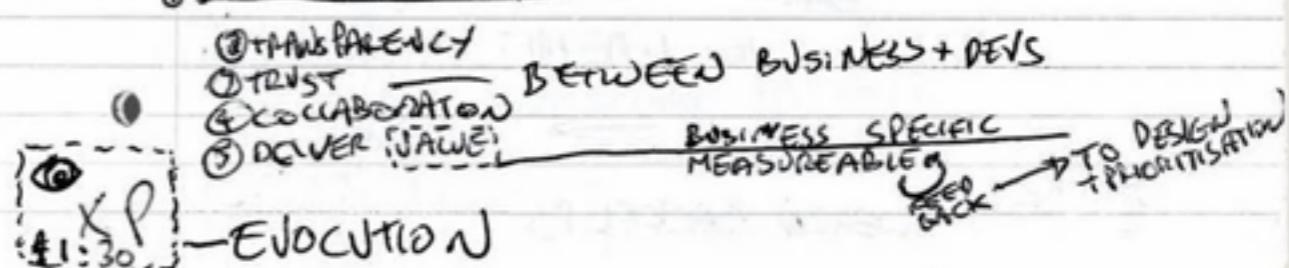
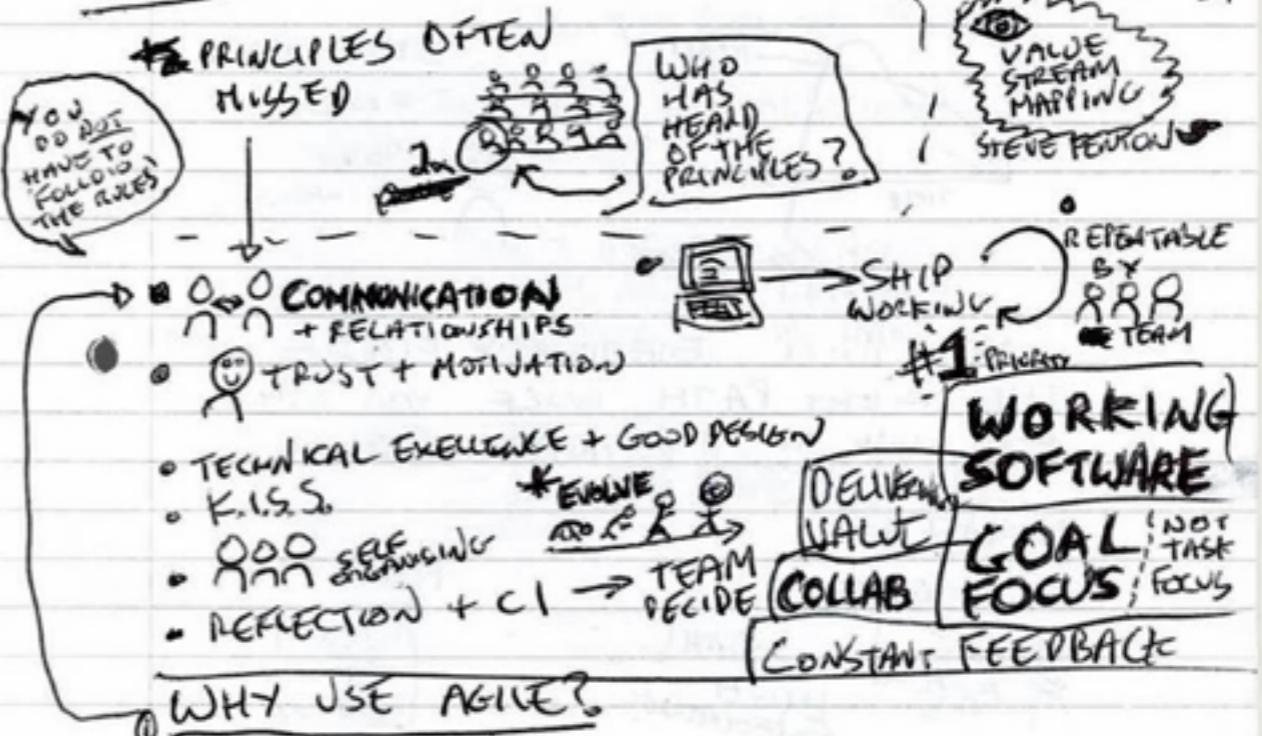
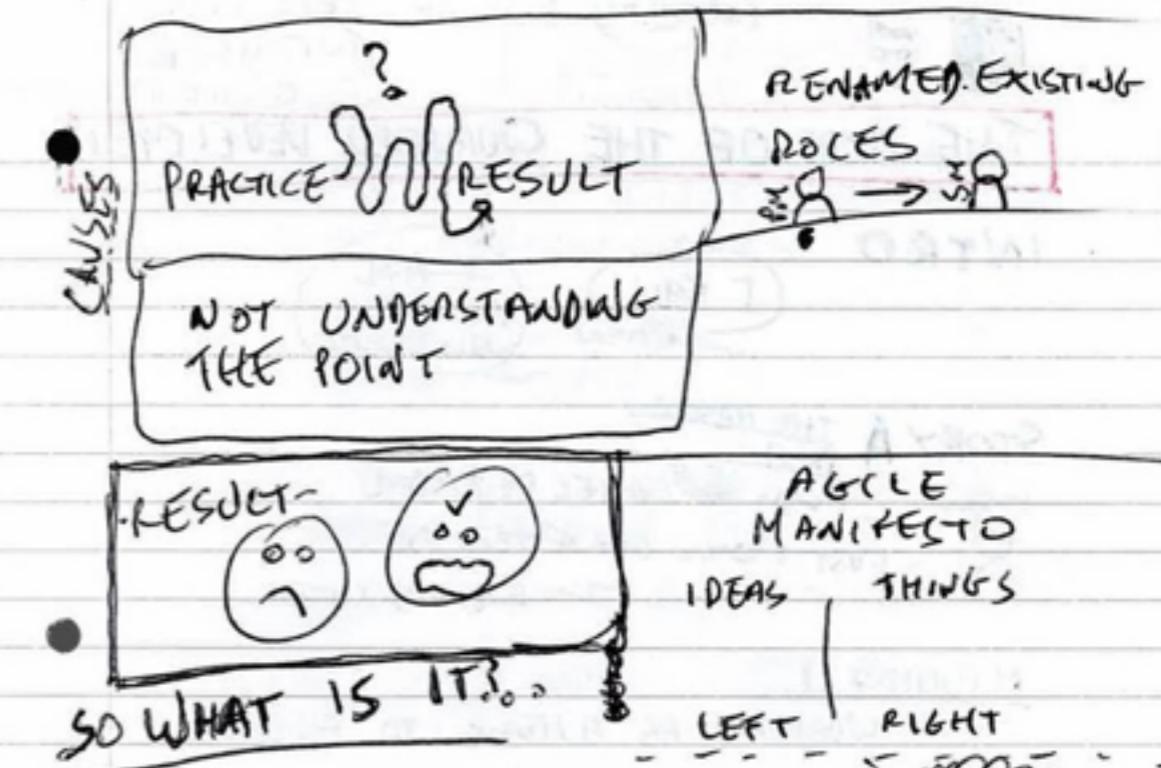
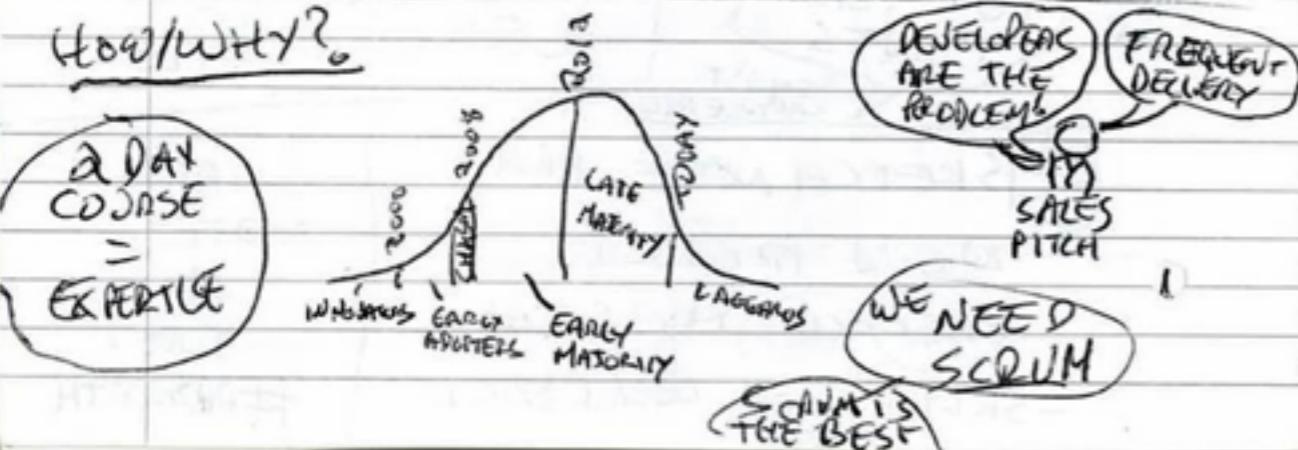
WHAT PEOPLE THINK  
AGILE IS



## WHAT IT ISN'T...

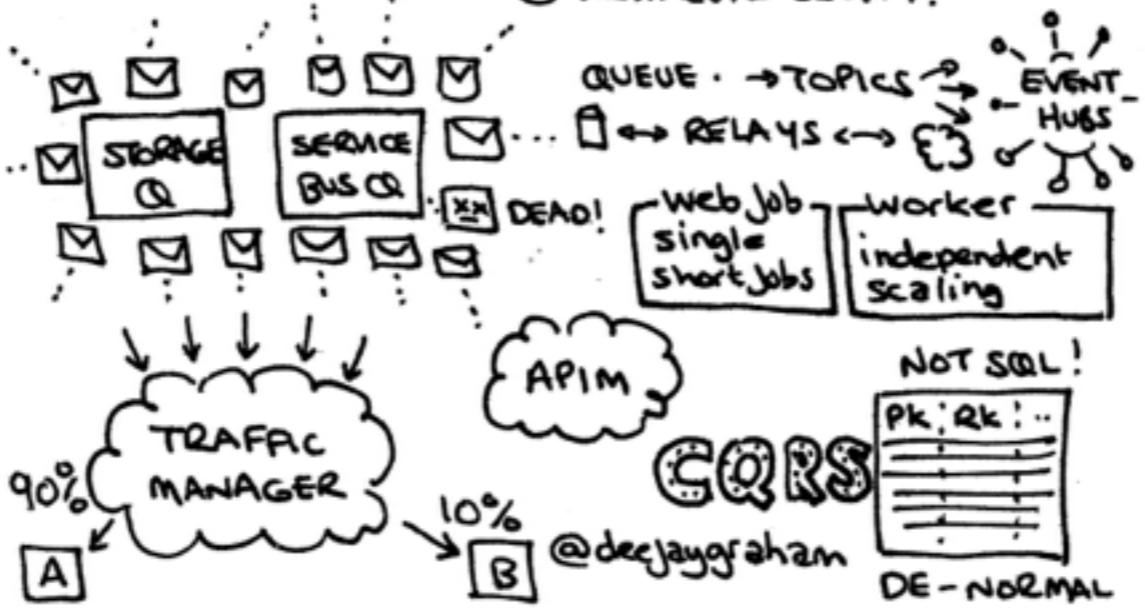
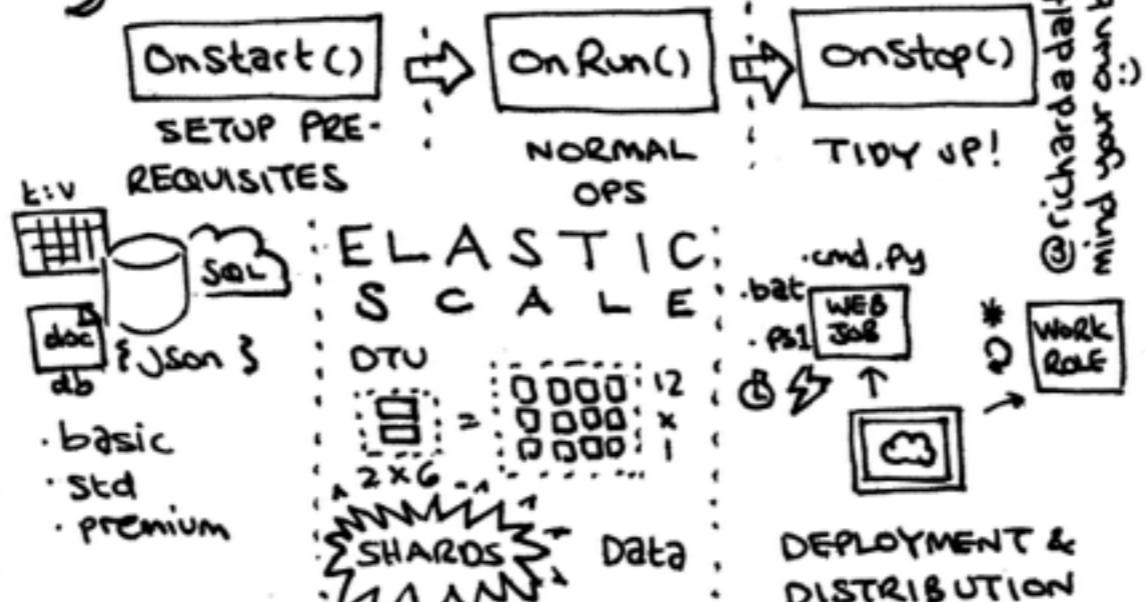
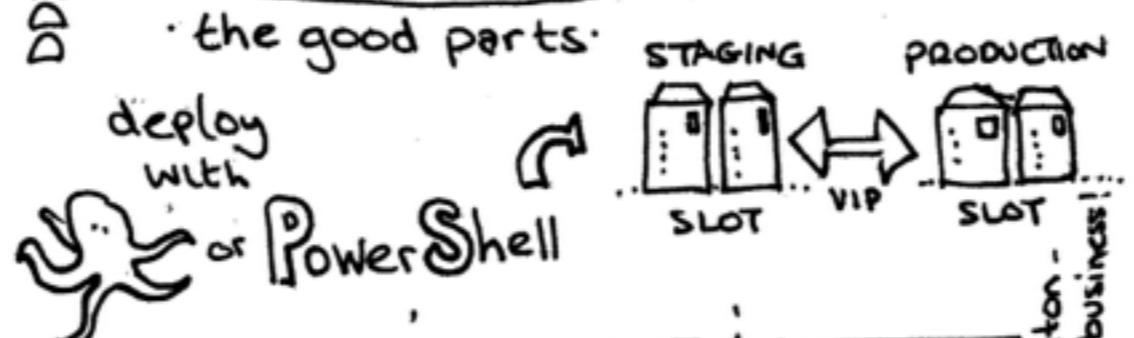


HOW/WHY?



Azure: the good parts

Richard Tasker  
@ritasker



@deejaygraham

# Microservice Architectures

Peter Shaw  
@shawty\_ds

DDDNorth  
2015

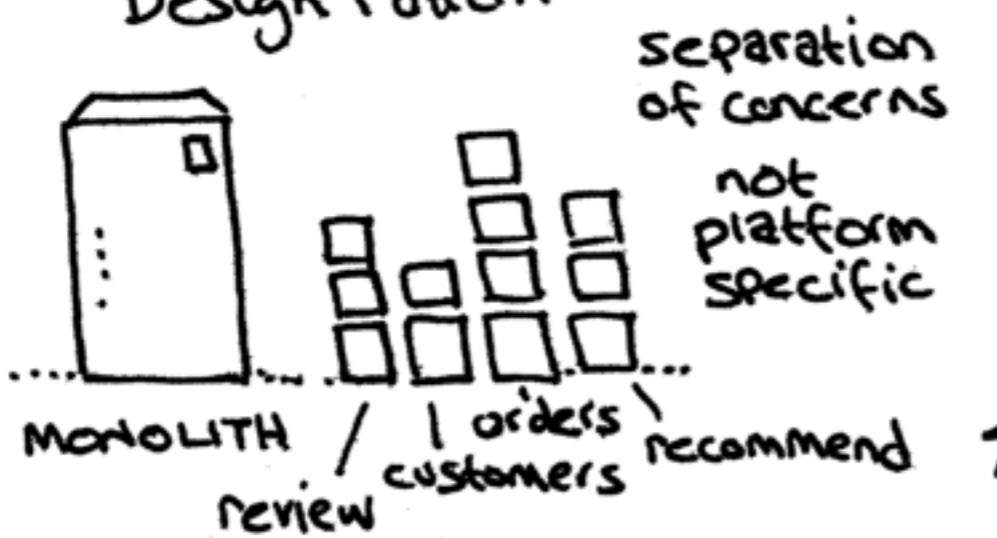
# Microservice Architectures

PETER SHAW

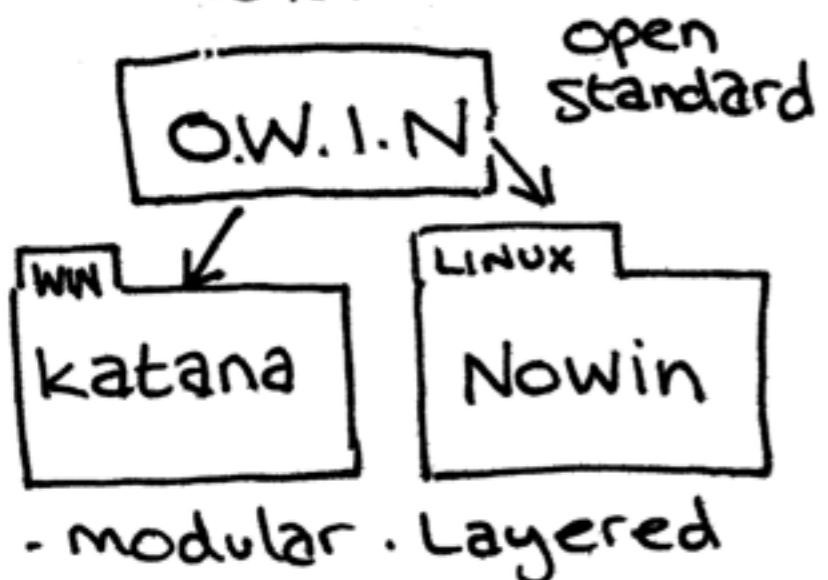
@shawty-ds



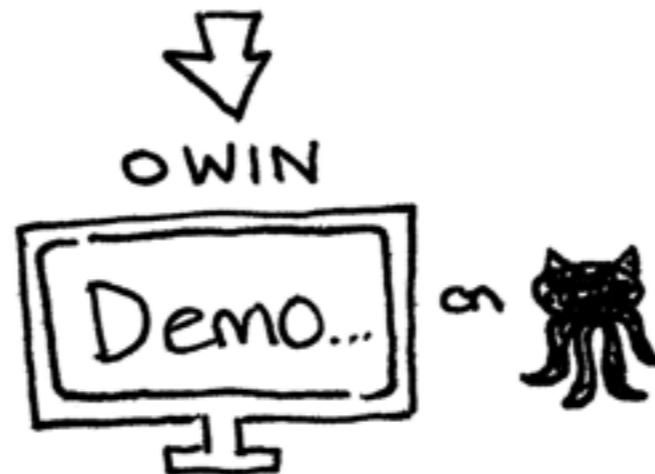
Architectural  
Design Pattern



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



## System.Web



@deejaygraham

# Real world life with Git

## Matteo Emili

## WHY?

- GEO DISTRIBUTED TEAM
- BRANCHING + HISTORY > TFSVC
- HISTORY RETAINED AFTER MERGING EASILY
- MATTEO LOVES IT



MATTEO

TFS  
↓  
GIT



POWERFUL @ THE COMMAND LINE OR POWERSHELL

USE RELEASE CODE NAMES

NOT SURE WHAT BENEFITS THERE ARE FOR MIGRATING FROM TFS VC FOR .NET

TAG YOUR RELEASE

|| GIT FLOW TO

MANAGE RELEASES WOW (AND CONVENTIONS)

IT'S HARD TO GET COMMAND LINE SOURCE CONTROL MUCH EXCITED ABOUT



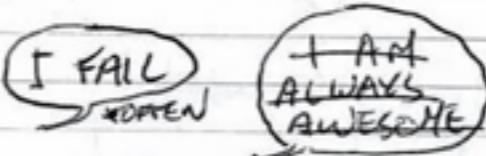
# The myth of the qualified developer

Pete Smith

Pete@beyondcode.com Pete Smith  
@roysmith  
www.EQUALEXPERTS.com

## THE MYTH OF THE QUALIFIED DEVELOPER

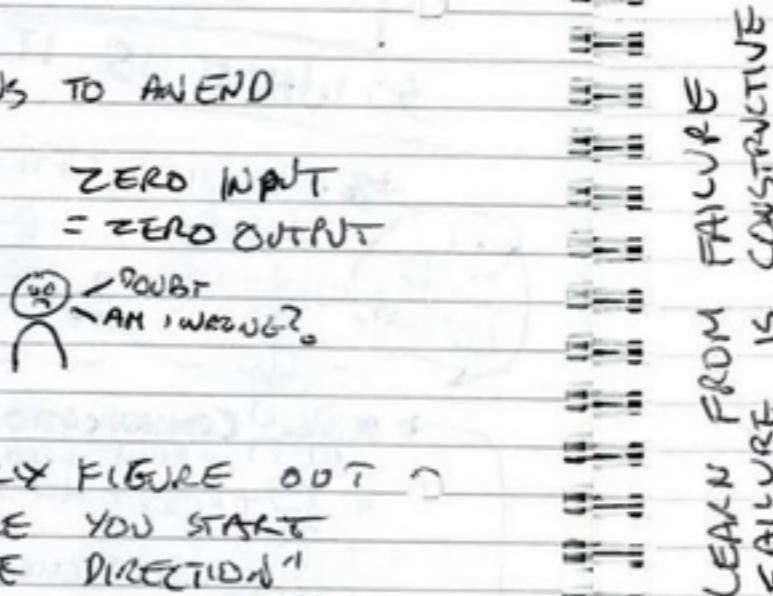
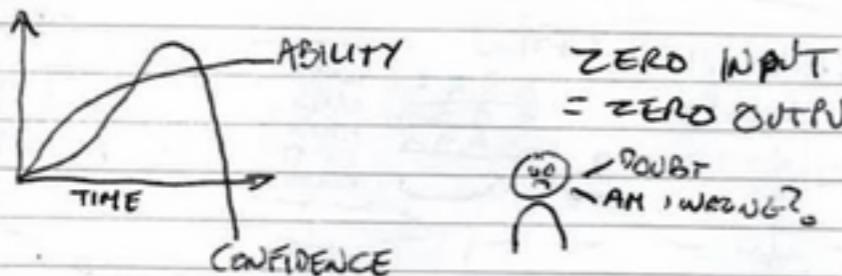
### INTRO



**STORY A** THE MASTER PLAN  
STUDENT - I WILL BE A GAMES DEVELOPER  
- FIRST I WILL GET A TEMP JOB  
5 YEARS LATER

### MISTAKE 1

- Working AS A MEANS TO AN END



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

### MISTAKE 2

- COASTING

Character: GOT A NEW JOB - YEAH!  
- HIGH EXPECTATIONS

Job VS Warcraft

← SIMILAR →

IDEA - LEARN BACKFLIPS

HOME TIME - LIKE  
SECOND JOB  
World OF Warcraft

4-5 HOURS  
4-5X A WEEK

YOU ARE  
THE ONLY  
PERSON IN  
CONTROL OF  
YOUR OWN DESTINY

#1 POINT  
NEVER ASSUME YOU HAVE FINISHED LEARNING

### MISTAKE 3

BIGOTRY &

DON'T JUDGE YOUR PROGRESS AGAINST OTHERS

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

[CRITICISING] CODE CAN ALSO INSULT THE COMPANY / DEVELOPER

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

WHY IS THE TEAM GETTING WORSE?  
- WHY MANAGEMENT LISTEN

SUPER 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 PORTFOLIOS

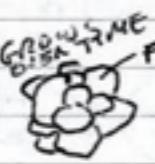
SAM ECAMIN  
@SAMECAMIN

## MONOLITHS TO MICROSERVICES

FAIL FAST

WHY DO MONOLITHS  
GET BUILT?

RESULT  
UNHAPPY  
DEVS

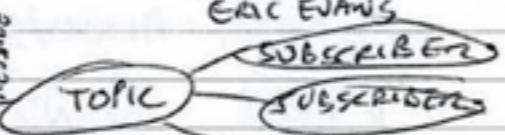


- ONE DB
- UNKNOWN IMPACT
- LONG + COMPLEX PROJECTS

(MICROSERVICES)

PUB - SUB

PUBLISHER

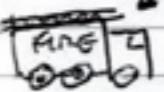


RACE HAZARDS!

- THINGS HAPPENING IN WRONG ORDER
- IMPACT ON CUSTOMERS

LOGICAL GATES

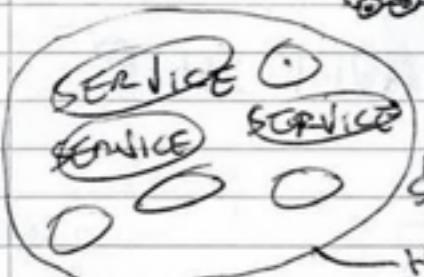
UNCLEAR  
BOUNDARIES



= STRICT  
CODE  
REVIEWS

TESTING IS  
HARD!

DEPLOYMENT NEEDS  
TO BE CONSISTENT



COMPLEXITY  
IN NUMBER

TOO MANY  
SERVICES?

COMPLEX  
INTERACTIONS

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

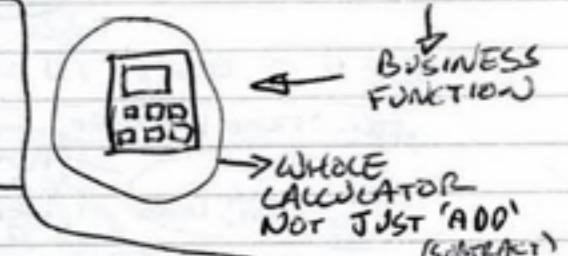
BUSINESS  
CONFIDENCE  
IN DEVELOPERS ↑

CODE  
OWNERSHIP  
→ STATS  
→ MONITORING  
→ ORDER NUMBERS

DOCKER  
VNEXT

TRY WRITING NEXT FEATURE AS A SERVICE

AUTOMATED DELIVERY  
IS A REQUIREMENT  
- DEPLOY 1+ SERVICES  
AT ONCE



# MONDULUS TO MICROSERVICES

Samuelamin



#GetInvolved  
in VISION  
meetings

## MONITORING

- effect of your change
- Stats driven by AT

Does our  
PLATFORM  
support the  
vision?

@naeemsarfraz

# Logging & Monitoring

Joel Hammond-Turner  
@ramesses



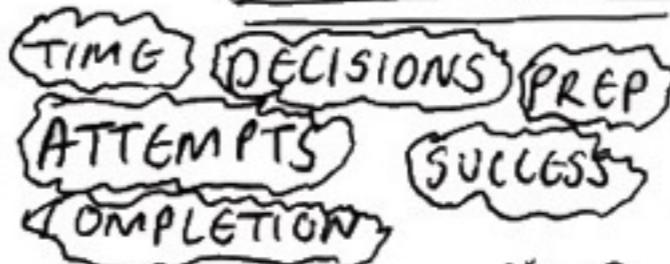
DO NOT IGNORE

## EXCEPTIONS!

## LOGGING

LOG AS IF IT'S YOUR  
ONLY OPTION

## LOG CONTEXT



CONSISTENT

## LOG LEVELS

- INFO (A)
- ERROR (X)
- WARNING (B)



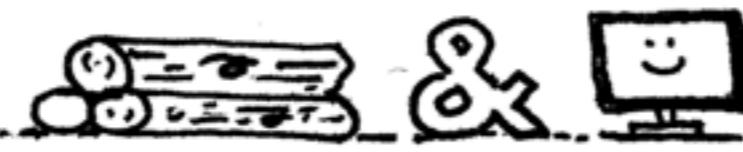
\* Raygun.io \* App Dynamics  
\* Metric.NET \* Serilog

IT'S ALL FUN + GAMES  
UNTIL YOUR CUSTOMER  
BLOCKS THE RAYGUN.IO  
DOMAIN!!

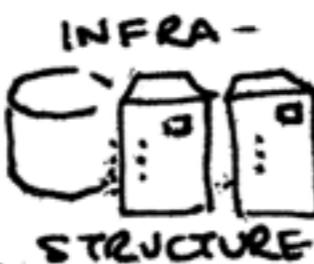
{ THIS HAS HAPPENED }  
{ TO US!!!! }

@Matt\_Ferron

# DDD NORTH



Joel Hammond - Turner @rammuses



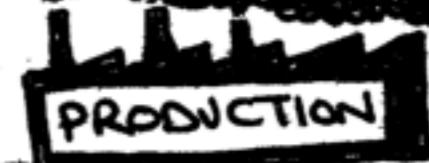
MONITOR HEALTH  
DB



A DEEP UNDERSTANDING OF



IN



WRAP CALLS



IN STORMWATCH

- handle & warn

"NO SUCH THING AS AN EXPECTED EXCEPTION"

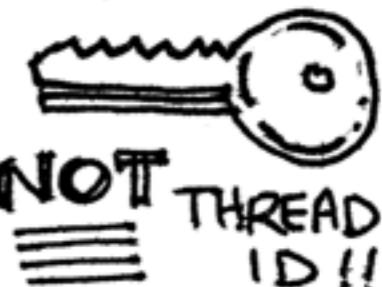
LOG:

- ATTEMPTS
- DECISIONS
- PREPARATION
- SUCCESS
- TIMING
- COMPLETION

ONE LINE OF LOGGING  
MAY BE ALL YOU GET!

CONTEXT WITH  
EVERY LOG -

A CORRELATION ID



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



raygun.io

@deejaygraham

SPLUNK

NOT

THREAD  
ID!!!

METRICS.NET

SERILOG

ETW

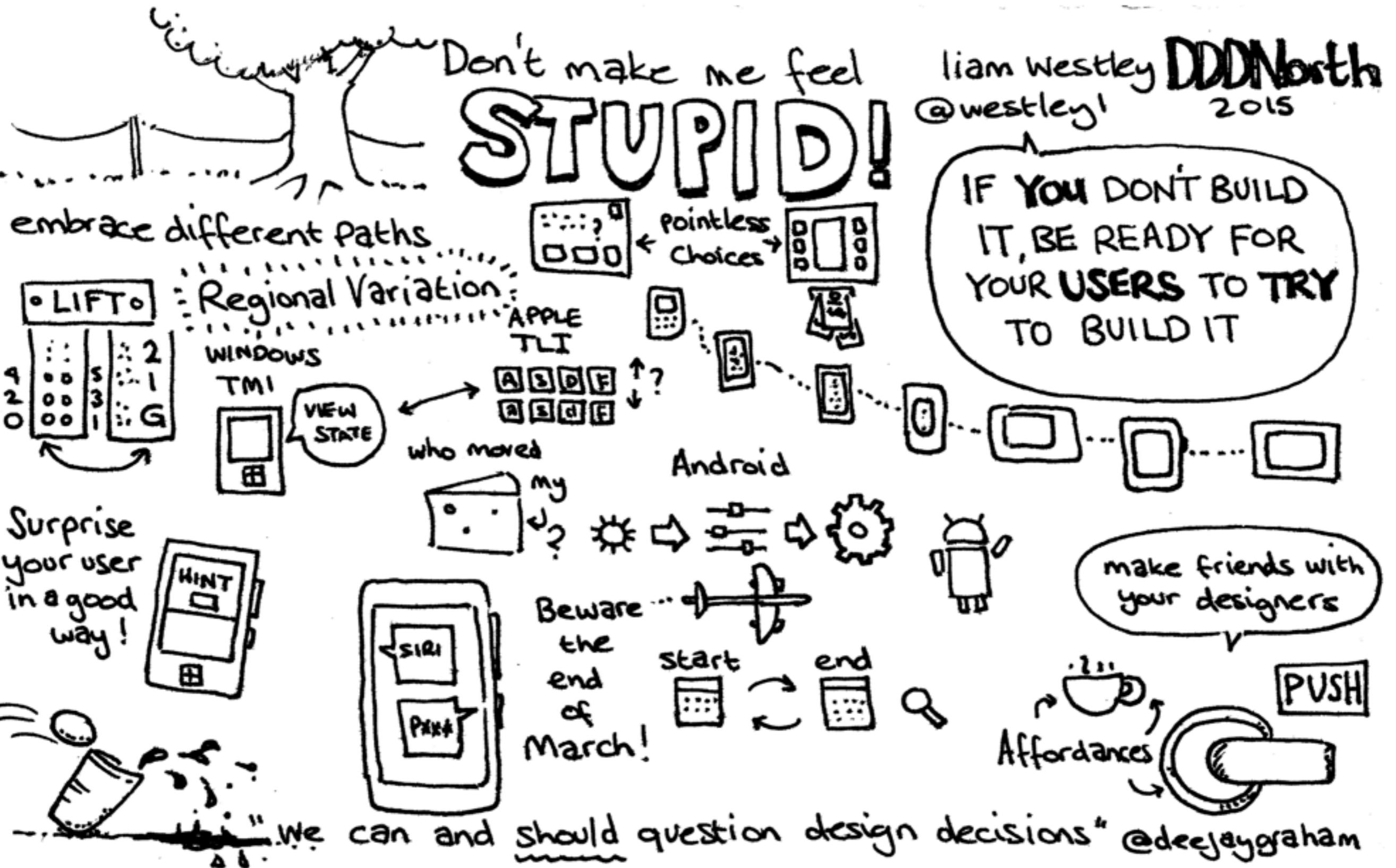


AKKA DINERS

@deejaygraham

# Don't Make Me Feel Stupid

Liam Westley  
@westleyl



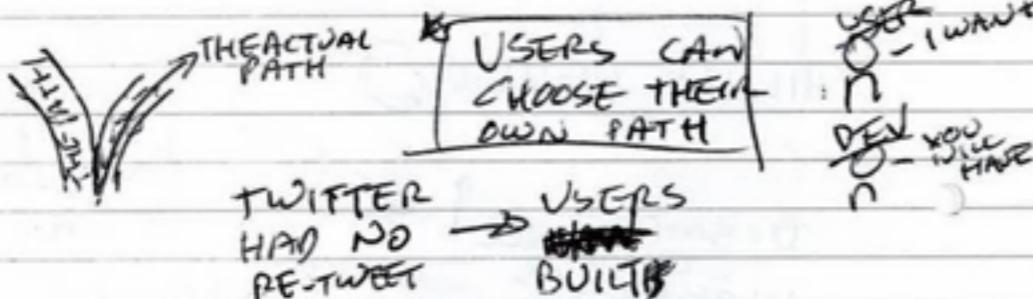
@deejaygraham

## DON'T MAKE ME FEEL STUPID

MOBILE  
TABLET.

VARIOUS  
UI

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



## REGIONAL DIFFERENCES

RED = GOOD IN CHINA

AFTER OUTLOOK HAS CLOSED

OUTLOOK  
YES (now failed)

POINT FORCE  
VS GAS TO MAKE  
POINTLESS DECISIONS

TOO MUCH INFORMATION

ODD UPDATES  
NOTIFICATIONS

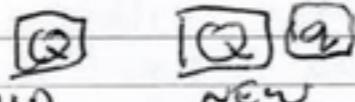
TECH TERMS  
"RESTORING VIEWSTATE"

ERROR MESSAGES "SOAP ERROR"

MAIL JOURNAL  
NUMBER

TOO LITTLE INFORMATION

## IOS KEYBOARD CASE



## CONSISTENCY

RECEPTION G  
(PRESS 0)

4G  
G

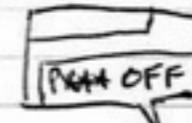
ctrl+F = FORWARD  
GMAIL IN OUTLOOK

ANDROID SETTINGS  
KEEP CHANGING

NOT FIND

## SURPRISE YOUR USERS

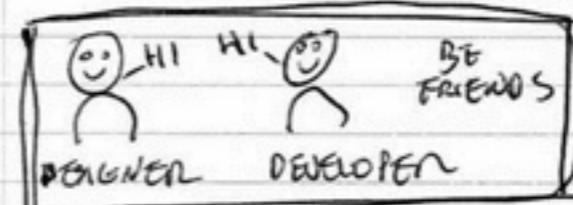
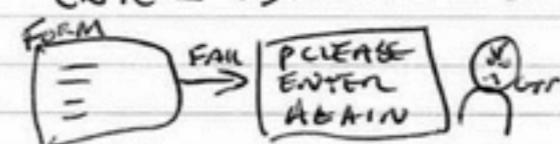
IN A GOOD WAY



AUTO  
CENSOR  
VOICE  
MESSAGES

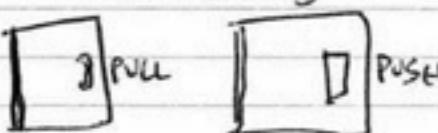
SWITCHING DATES  
- CONFIRM FOR  
IMPORTANT/RISKY  
CHANGES  
24/07  
07/24

## ENTER USER DETAILS



MARKETING

AFFORDANCE  
- GUIDING HAND  
TO USERS



DDD North is a free one day technical event for developers, a day of learning, discussion, contribution and involvement in the community in the North East, North West, Midlands and Scotland.

The goal of DDD North is to provide free technical education with the added benefit of the networking possibilities with peers and the development of relationships across the .NET Industry!

<http://www.dddnorth.co.uk/>  
<https://twitter.com/dddnorth>