

Developer!

Developer Developer

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

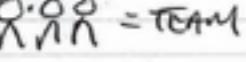
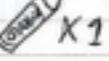
Chi Goc Voong @mecodepanda

sketchnoting for developers

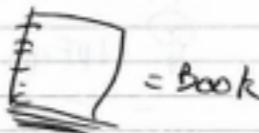
Derek Graham
@deejaygraham

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

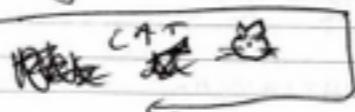
Look at
PEOPLES
NOTES
EXAMPLES
DURING



SCIENCE

HANDWRITING > KEYBOARD
VISUAL > TEXT

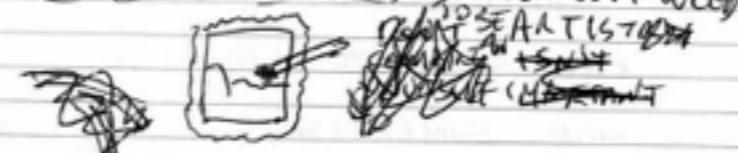
oval coding  PAIR
theory  PROCEDURAL



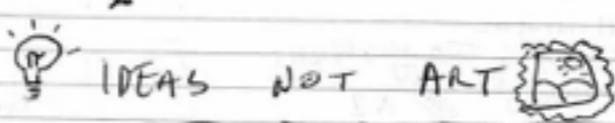
WRITING
+ DRAWING
AIDS MEMORY

REASONING NOT

- IMMEDIATE RECALL
- TOTAL CLARITY NEEDS

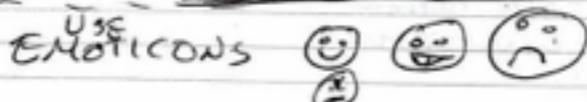


YOU DON'T NEED
TO BE AN ARTIST
TO BE A DESIGNER



GRAPHIC FACILITATOR
JEANNIECK KING

WHAT YOU DRAW IS
GOOD ENOUGH



SEAN WES

- FONTS

FIXED TEXT

YA YA YA

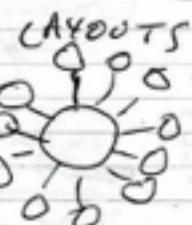
BANNERS

GRIDS PENS
PENS PENS

lower case
BLOCK

SUPER
Script

3D



ACTIVE
LISTENING/C

- FOLLOW THE SPEAKER
- EMOTION
- JOKES
- QUOTES

LISSEN

TWITTER TEST
TOP TEN POINTS
TRY TO CAPTURE ALL

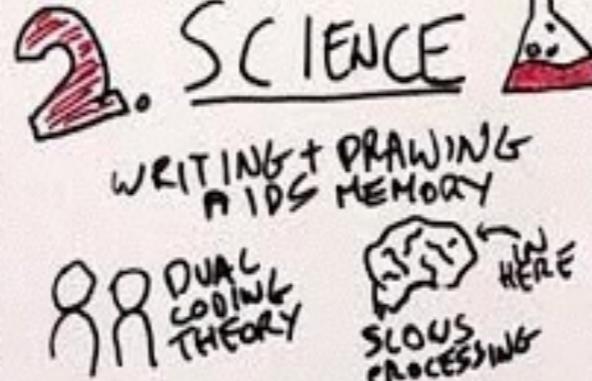
PLAY NOTES
TO PERSONAL
LEARNING STYLE

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

SHARE
NOTES
- #
- TWEET
#DIDNORTH

SKEETCHNOTING

BY MRSTEVENHILL

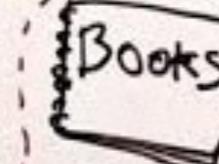


3. STYLES

lower case
SUPER BLOCK

Script

TEAM



QUOTES

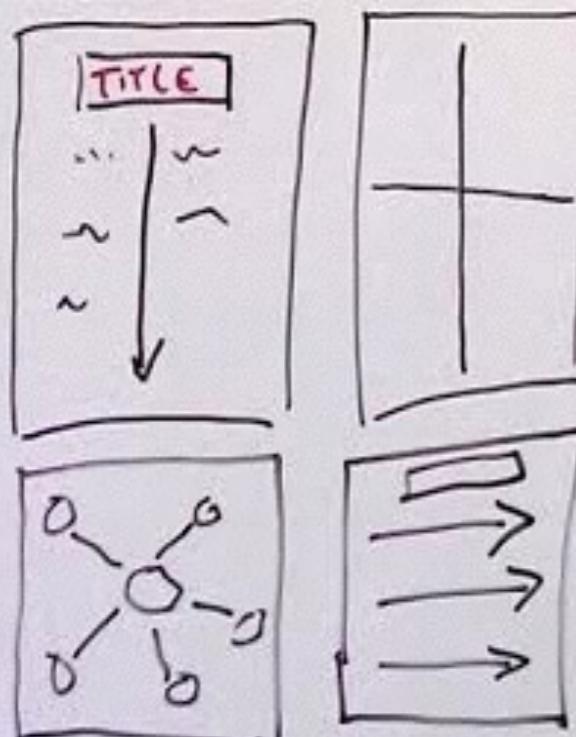
+ BULLETS

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

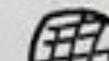
EMBRASSING
SPACE
MAKE
SKETCHING

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](https://twitter.com/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

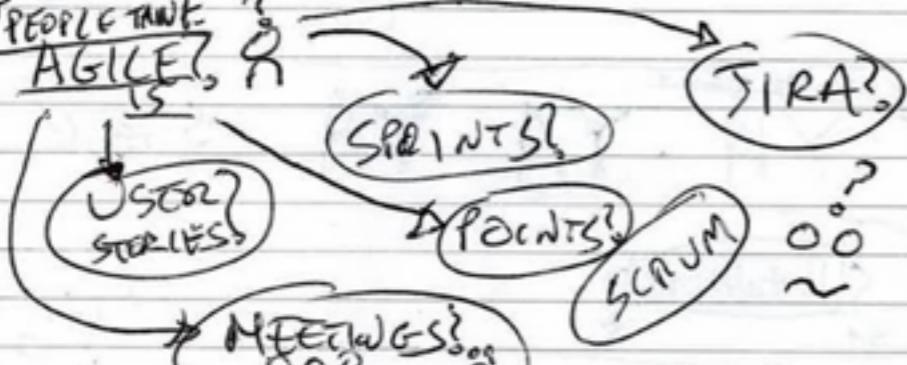


@ste_prescott

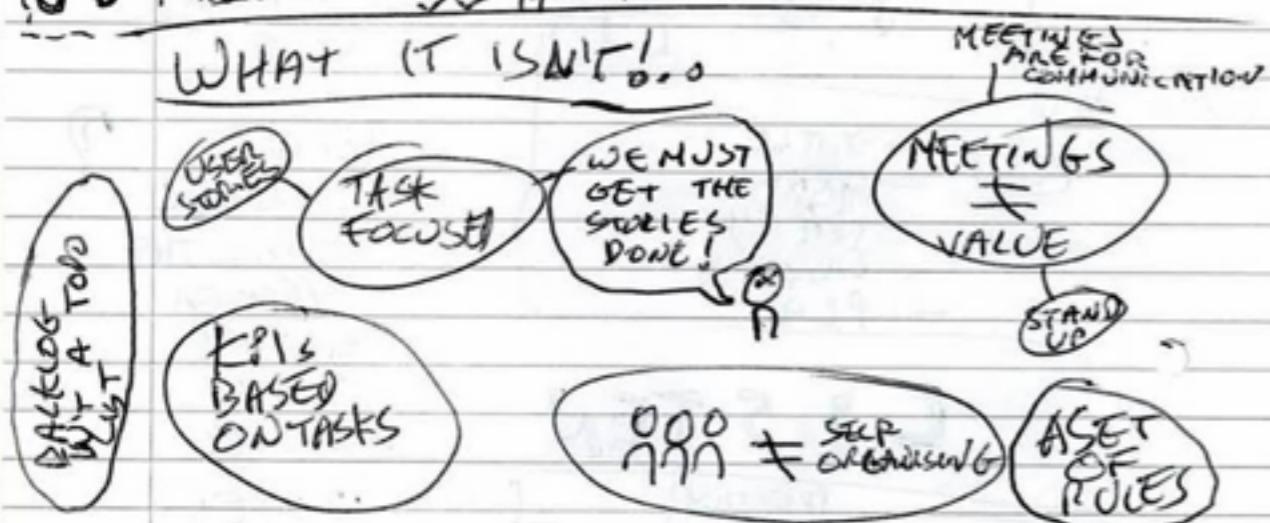


YOU KEEP USING THE WORD AGILE...

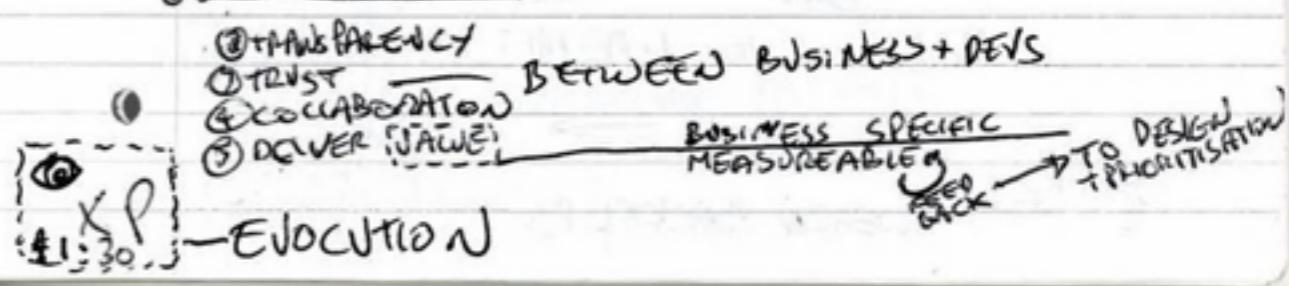
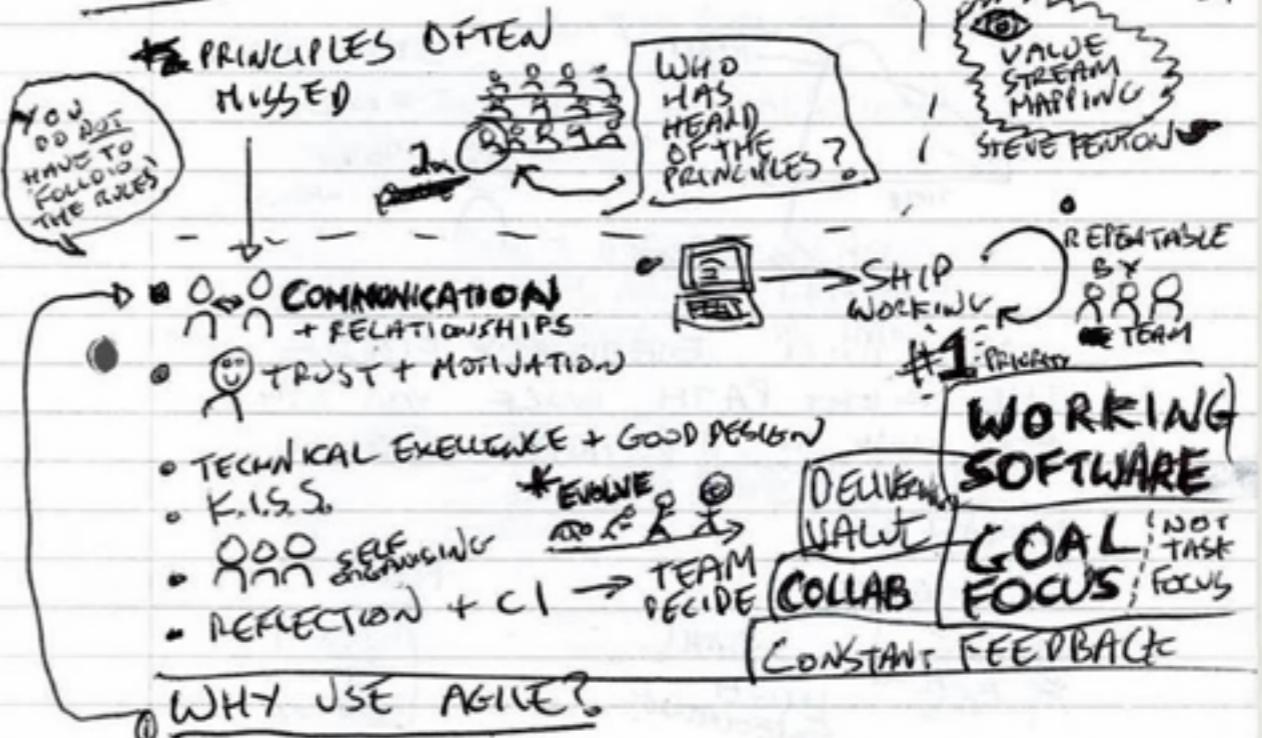
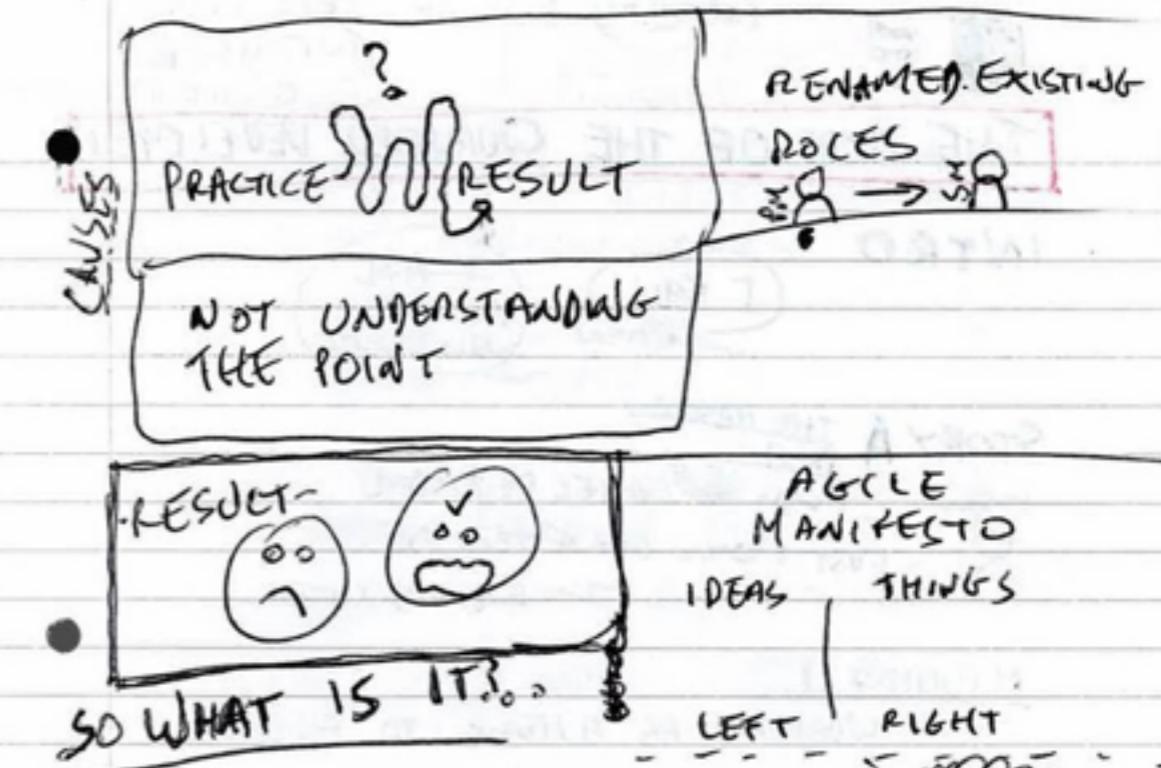
WHAT PEOPLE THINK
AGILE IS



WHAT IT ISN'T...



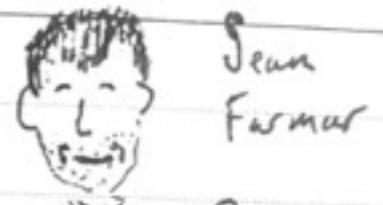
HOW/WHY?



Why Service Oriented Architecture?

Sean Farmar

Why SOA?

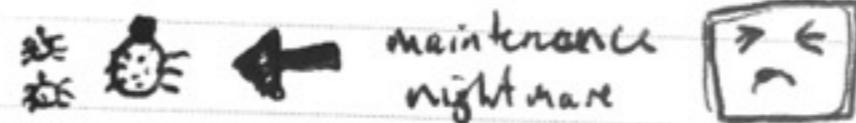


Sean
Farmer

THE EVO R. →

@farmer

Small monolith → \$ success → features + + ↓



reduce

Coupling



No sharing

Only Contracts for communication



Coupling

Afferent Efferent



Coupling
Impossible.

MINIMIZING
IS KEY!!!

DEPENDENCIES

Temporal

TIMING, RPC

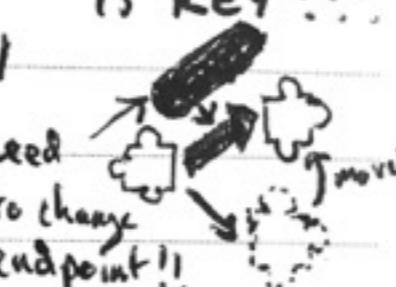
DEPENDS ON

- Async messaging
- Publish/Subscribe
- + Forget.

Spatial

DEPLOYMENT CHANGES

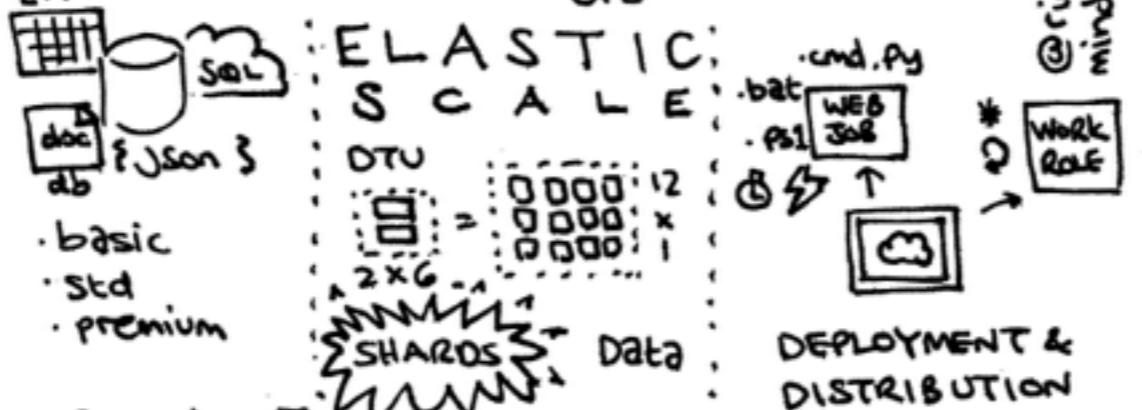
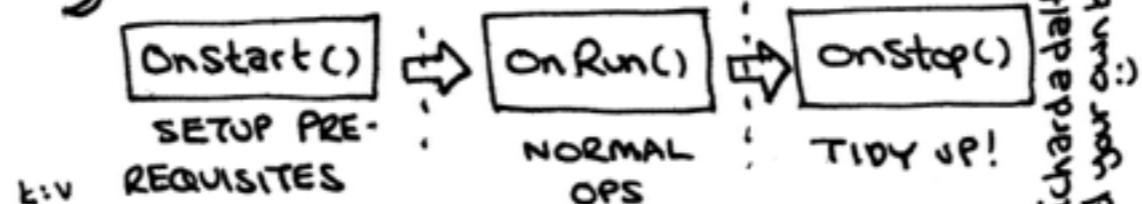
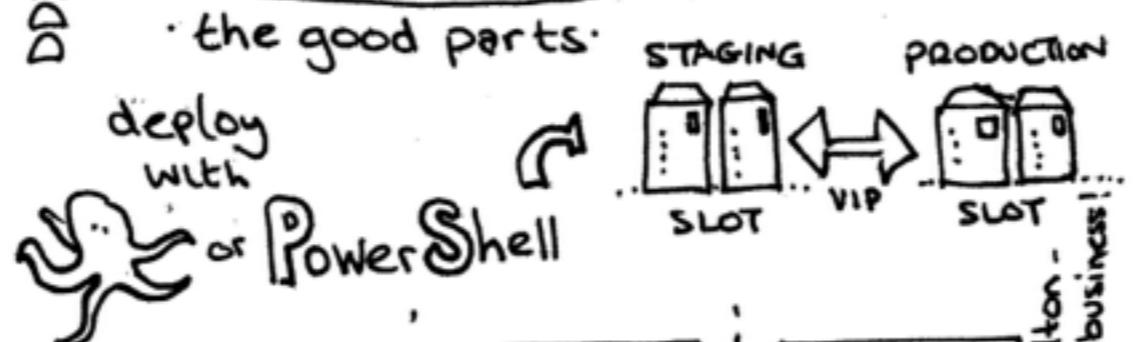
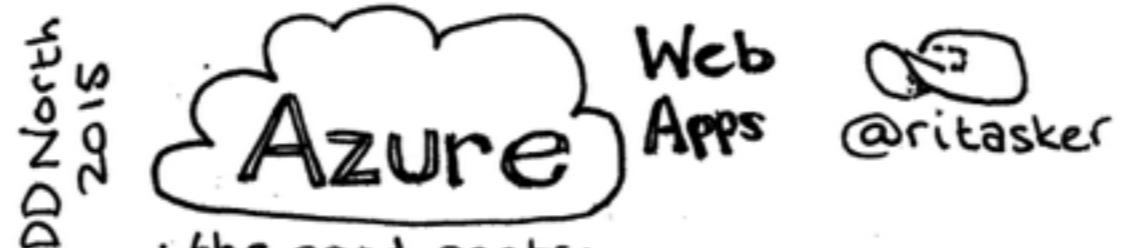
need to change endpoint!!



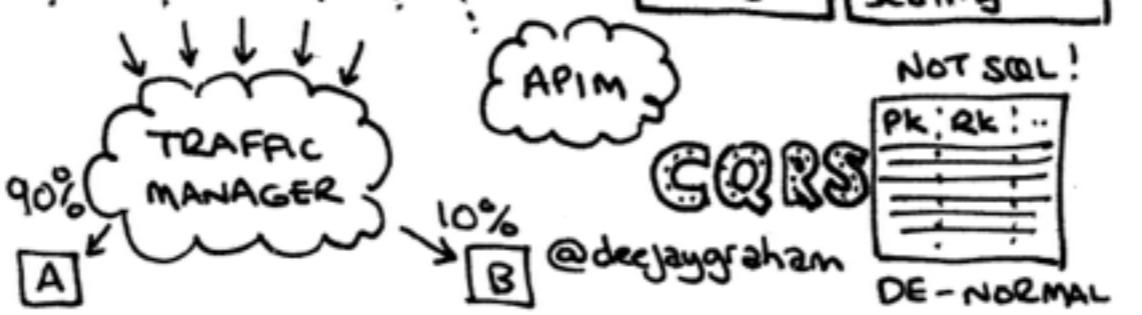
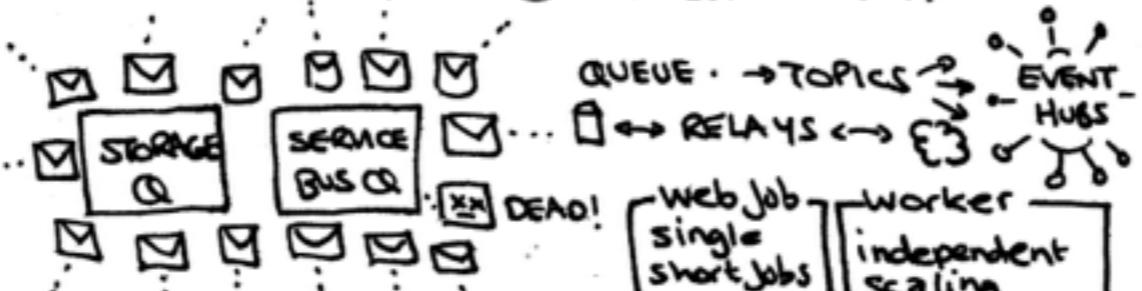
@mecodepanda

Azure: the good parts

Richard Tasker
@ritasker



TROY HUNT
"Have I been pwned?" ⚡ ARTIFICIAL DELAY!



@deejaygraham

Microservice Architectures

Peter Shaw
@shawty_ds

DDDNorth
2015

Microservice Architectures

PETER SHAW

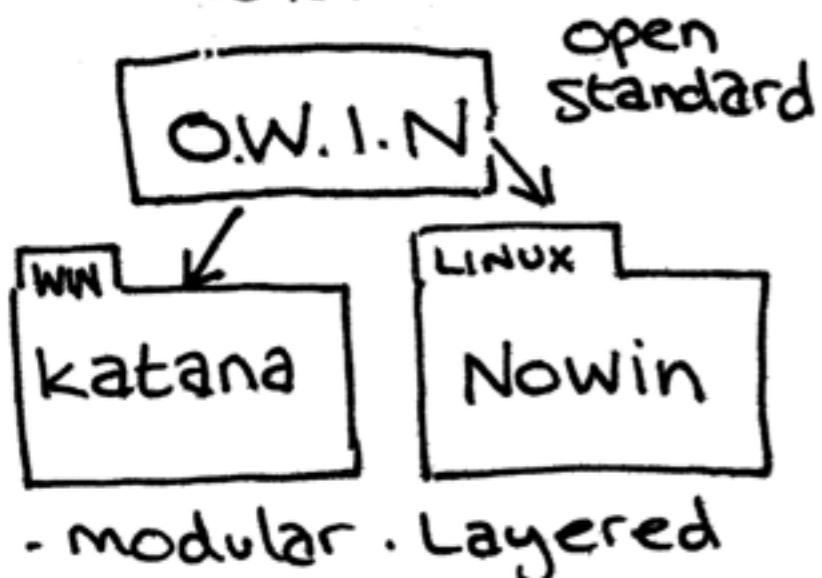
@shawty-ds



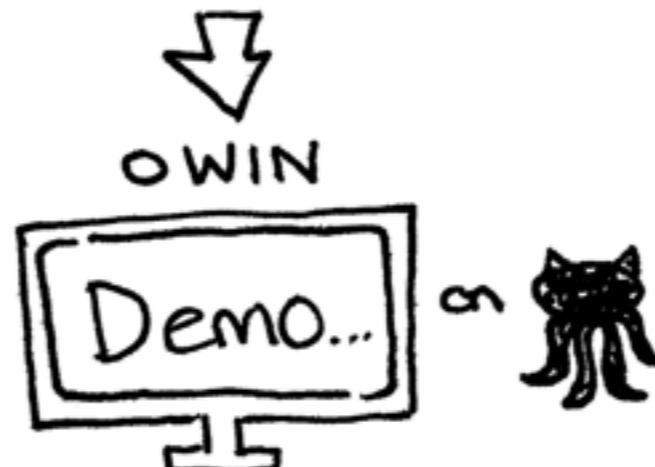
Architectural
Design Pattern



- * 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 SOURCE CONTROL



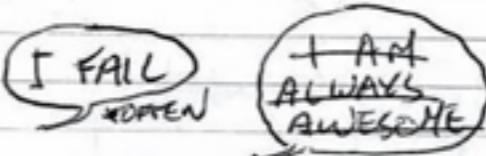
The myth of the qualified developer

Pete Smith

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

THE MYTH OF THE QUALIFIED DEVELOPER

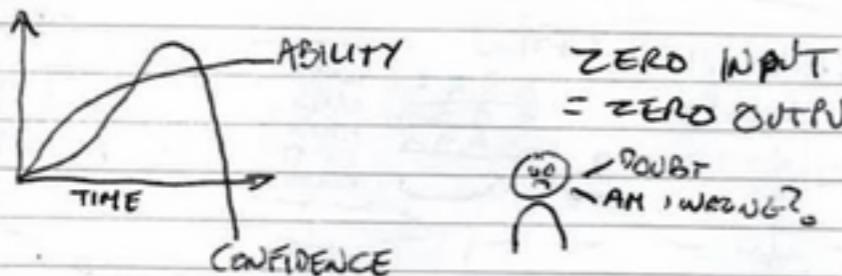
INTRO



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

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
OTHERS ARE - LEARNING
LIKE YOU IS HARD

WHY
IS THE
TEAM
GETTING
WORSE?
MANAGEMENT
LISTEN

WHAT NOW
LEAVE
DE A
CONTRACTOR

LEADERSHIP?

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

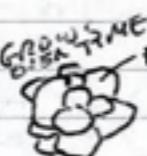
SAM ECAMIN
@SAMECAMIN

MONOLITHS TO MICROSERVICES

FAIL FAST

WHY DO MONOLITHS
GET BUILT?

RESULT
UNHAPPY
DEVS

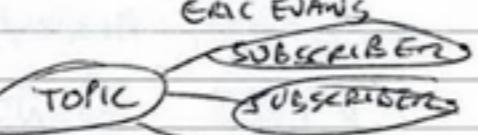


- GROWING FEATURES
- ONE DB
- UNKNOWN IMPACT
- LONG + COMPLEX PROJECTS

MICROSERVICES

PUB - SUB

PUBLISHER

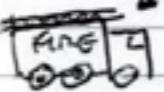


RACE HAZARDS!

- THINGS HAPPENING IN WRONG ORDER
- IMPACT ON CUSTOMERS

LOGICAL GATES

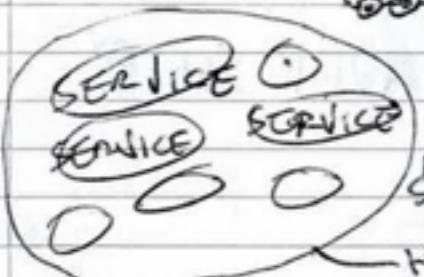
UNCLEAR
BOUNDARIES



= 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

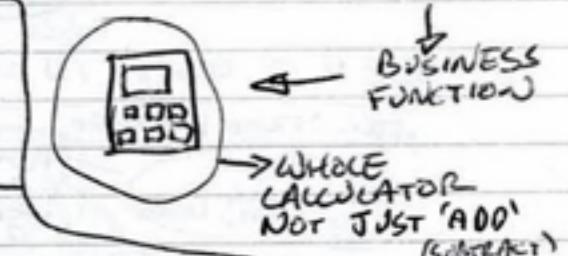
BUSINESS
CONFIDENCE
IN DEVELOPERS ↑

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



BUSINESS
FUNCTION

WHOLE
CALCULATOR
NOT JUST 'ADD'
(SUBTRACT)

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



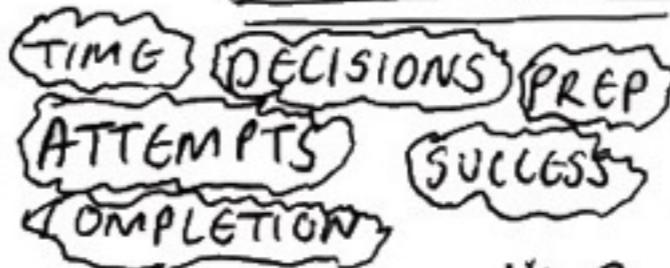
DO NOT IGNORE

EXCEPTIONS!

LOGGING

LOG AS IF IT'S YOUR
ONLY OPTION

LOG CONTEXT



CONSISTENT

LOG LEVELS

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



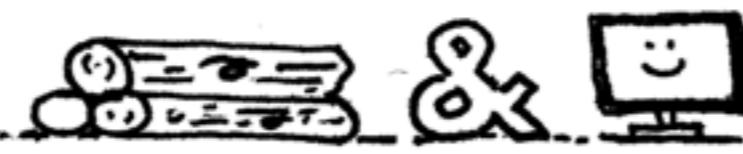
* Raygun.io * App Dynamics
* Metric.NET * Serilog

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

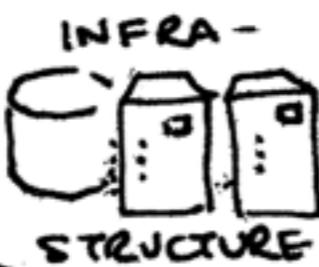
{ THIS HAS HAPPENED }
{ TO US!!!! }

@Matt_Ferron

DDD NORTH



Joel Hammond - Turner @rammuses



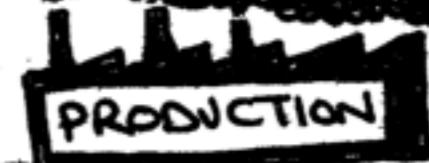
MONITOR HEALTH
DB



A DEEP UNDERSTANDING OF



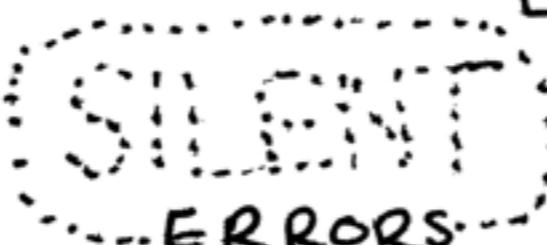
IN



WRAP CALLS



IN STORMWATCH



ONE LINE OF LOGGING
MAY BE ALL YOU GET!

LOG:

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

- handle & warn

"NO SUCH THING AS AN EXPECTED EXCEPTION"

- capture all the data

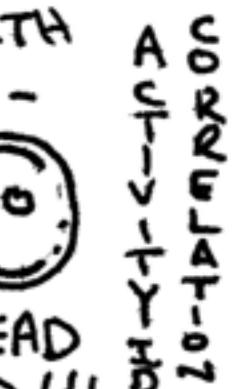
Exceptions



raygun.io

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

CONTEXT WITH
EVERY LOG -



SPLUNK NOT THREAD ID!!!

METRICS.NET

SERILOG

ETW

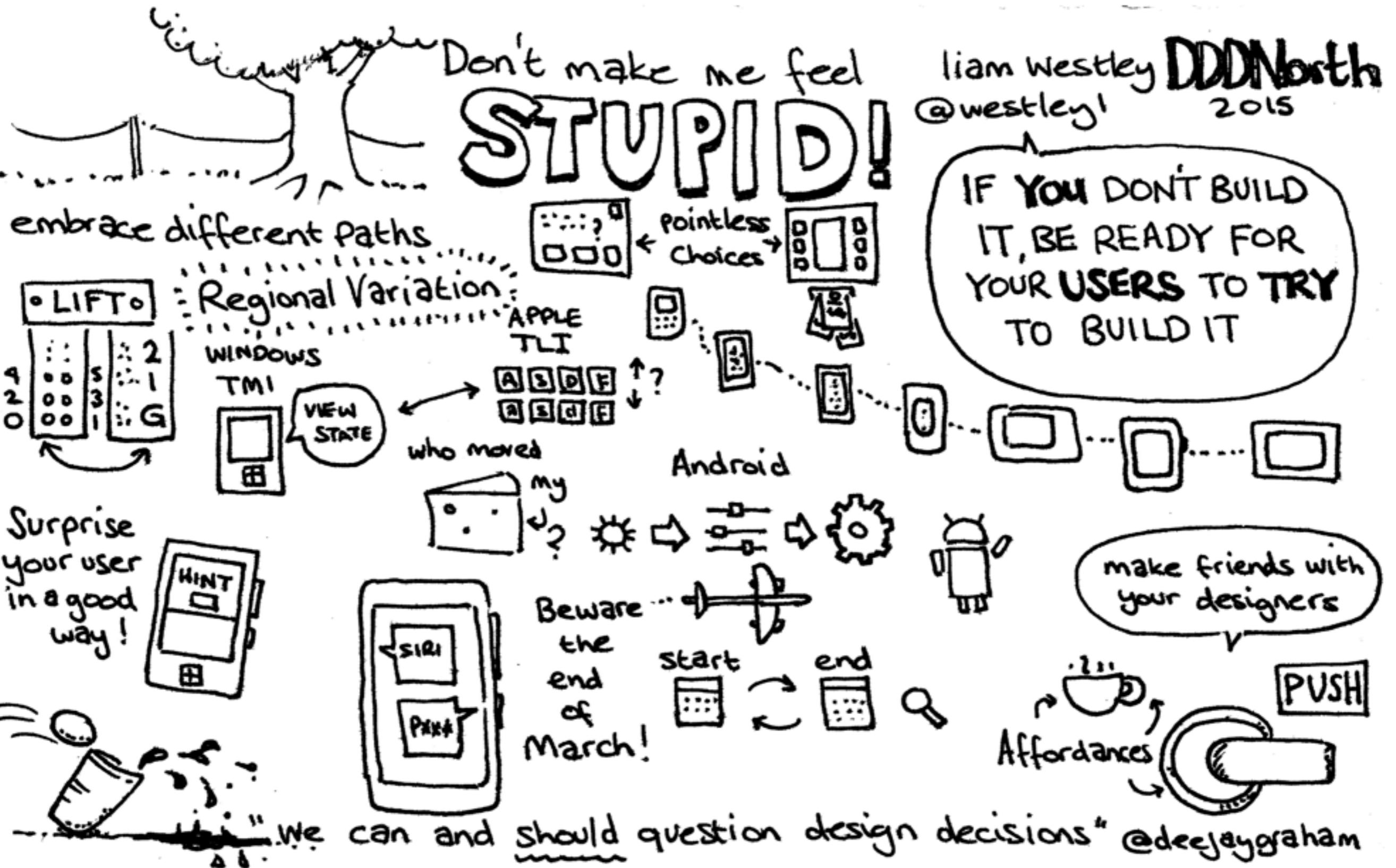
@deejaygraham



@deejaygraham

Don't Make Me Feel Stupid

Liam Westley
@westleyl



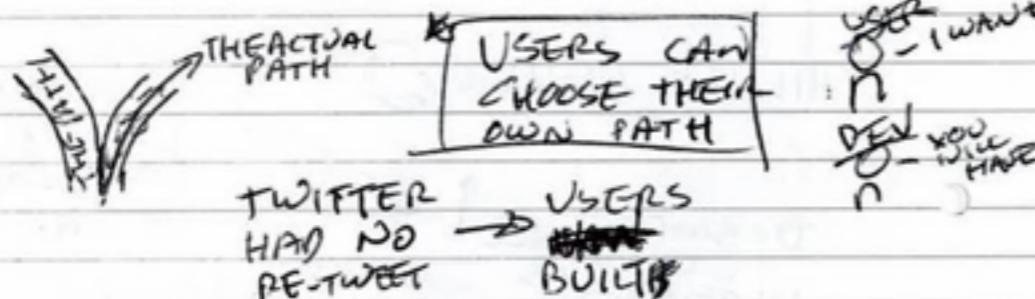
@deejaygraham

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"

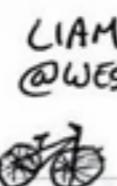
ERROR MESSAGES "SOAP ERROR"

MAIL JOURNAL
NUMBER

TOO LITTLE INFORMATION

IOS KEYBOARD CASE

Q Q Q
OLD NEW



CONSISTENCY

RECEPTION G
(PRESS 0)

4G
G

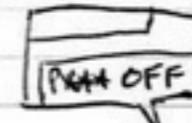
ctrl+F = FORWARD
GMAIL IN OUTLOOK

ANDROID SETTINGS
KEEP CHANGING

NOT FIND

SURPRISE YOUR USERS

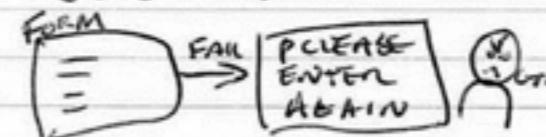
IN A GOOD WAY



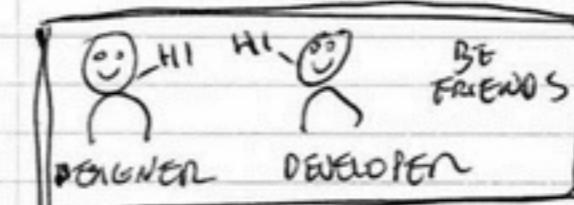
AUTO
CENSOR
VOICE
MESSAGES

SWITCHING DATES
- CONFIRM FOR
IMPORTANT/RISKY
CHANGES
04/07
07/04

ENTER USER DETAILS

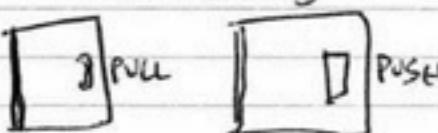


FORM FAIL
PLEASE ENTER AGAIN



MARKED

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>