AT7

Advanced Technical

Thursday, November 8th, 2018 11:30 AM

A Personal History of Collaboration: Soloing, Pairing, Mobbing, Cube Farms, and Pipe Fires

Presented by:

Jeff Langr

Langr Software Solutions, Inc.
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350 Corporate Way, Suite 400, Orange Park, FL 32073

Jeff Langr

Jeff Langr has spent more than half his thirty-five-year career successfully building and delivering software using agile methods and techniques. He's also helped countless other development teams do the same by coaching and training through his company, Langr Software Solutions Inc. In addition to being a contributor to Uncle Bob's book Clean Code, Jeff is the author of five books on software development: Modern C++ Programming with Test-Driven Development, Pragmatic Unit Testing, Agile in a Flash (with Tim Ottinger), Agile Java, and Essential Java Style. He is also on the technical advisory board for the Pragmatic Bookshelf and has written an extensive number of blog entries and articles over the years. Jeff has lived in Colorado Springs for more than twenty years.

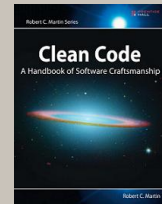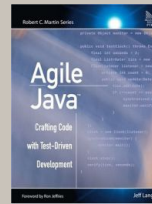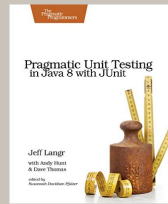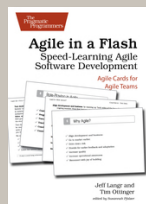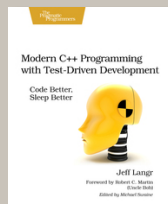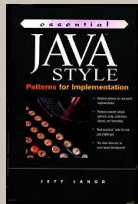# A Personal History of Collaboration

Soloing, Pairing, Mobbing,
Cube Farms, and Pipe Fires

Langr
Software Solutions
SOFTWARE TRAINING/CONSULTING

TDD · AGILE

jeff@langrsoft.com
@JLangr

We are uncovering **better ways of developing software**
by doing it and helping others do it.
Through this work we have come to value:
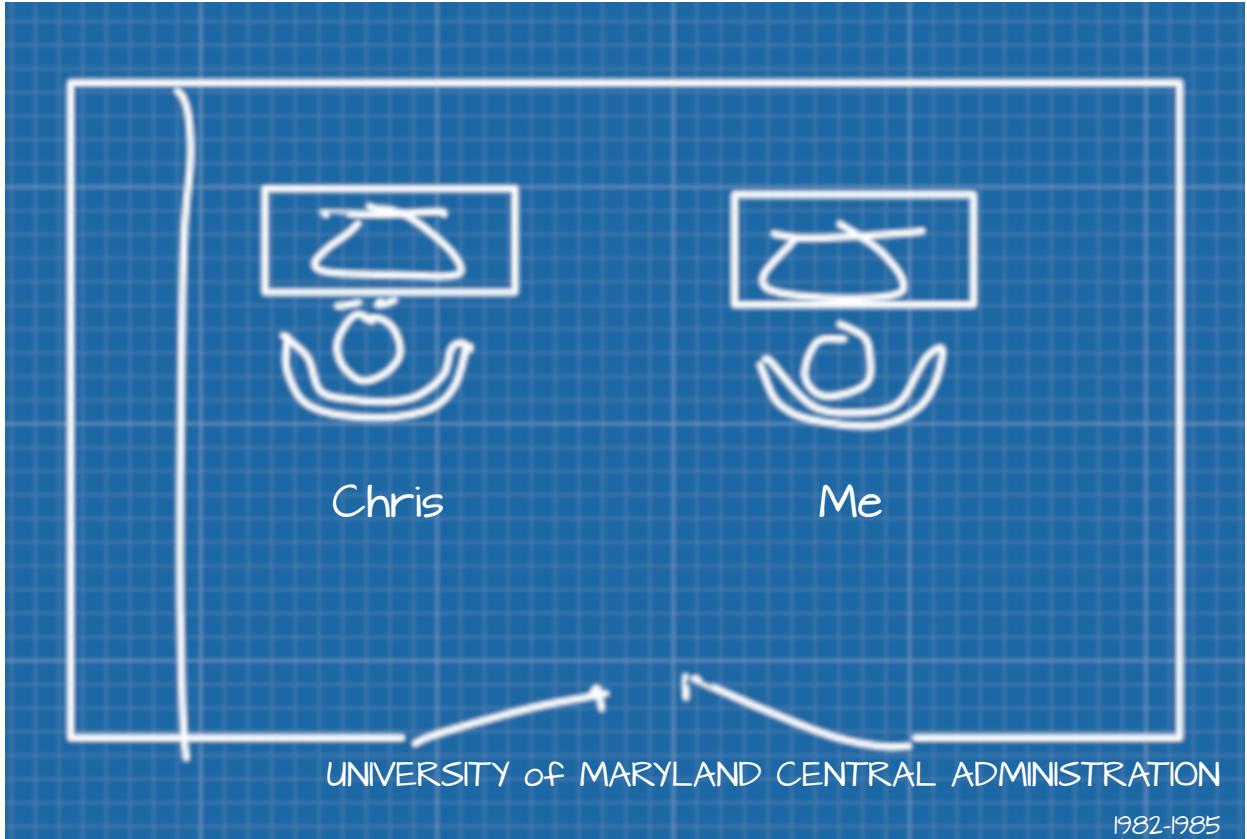
Individuals and interactions

over

processes and tools

The **most efficient and effective** method of conveying information to & within a development team:
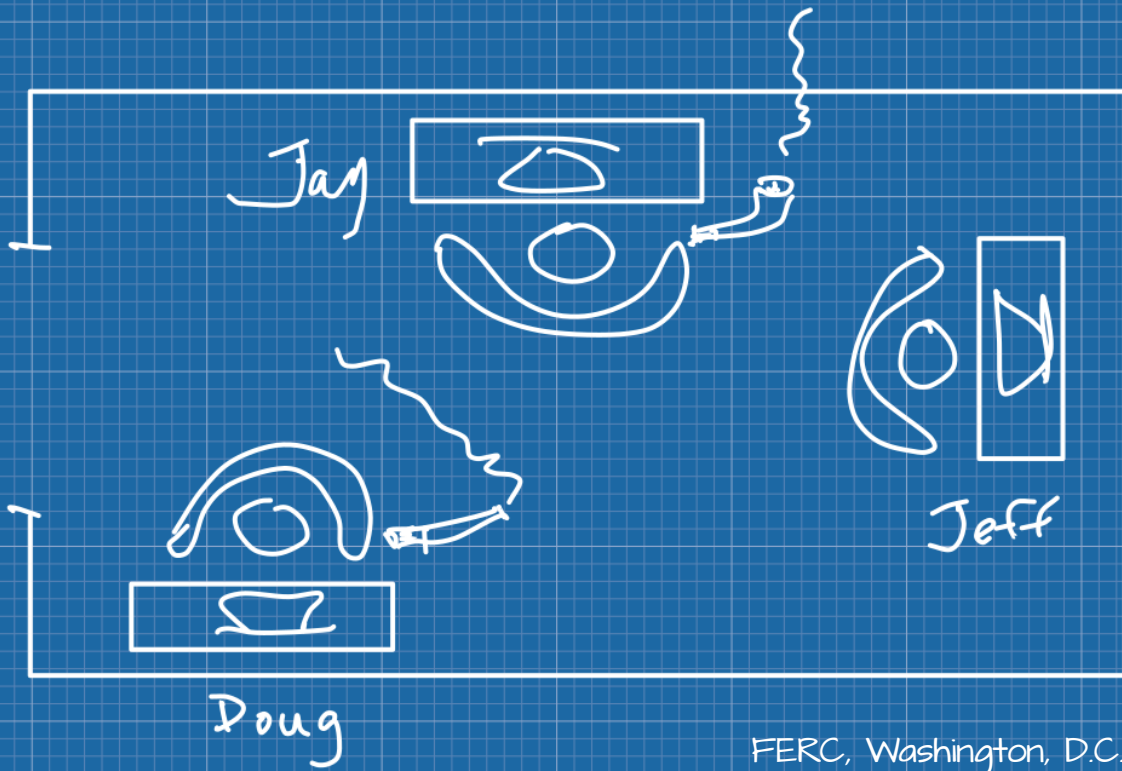
Face-to-face conversation

@JLangr

Chris   Me

UNIVERSITY of MARYLAND CENTRAL ADMINISTRATION

1982-1985

@JLangr

Jay

Jeff

Doug
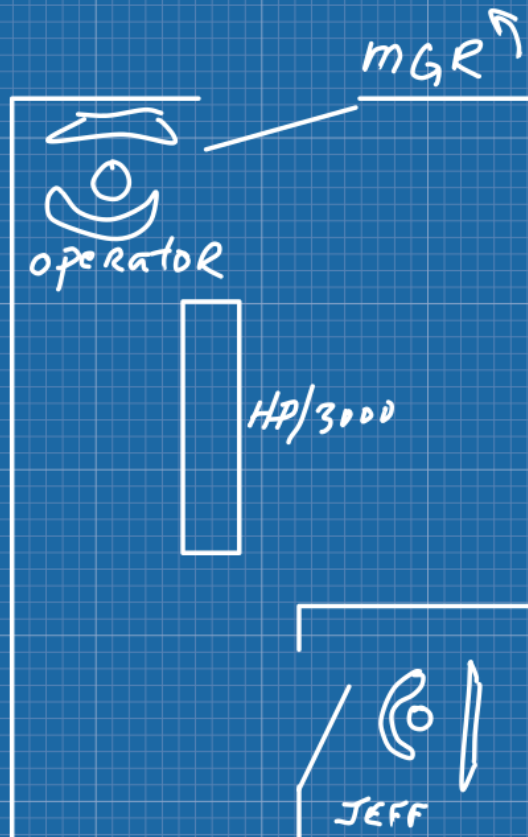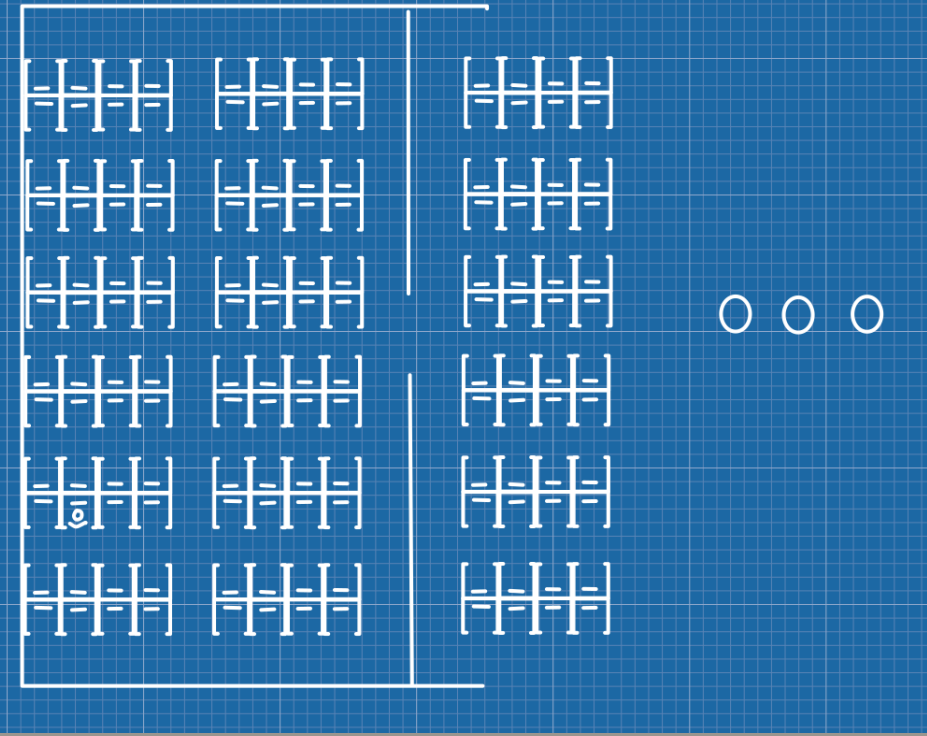
FERC, Washington, D.C.
1985-1986

@JLangr

AMERICAN INSTITUTES
for RESEARCH
Georgetown, D.C.
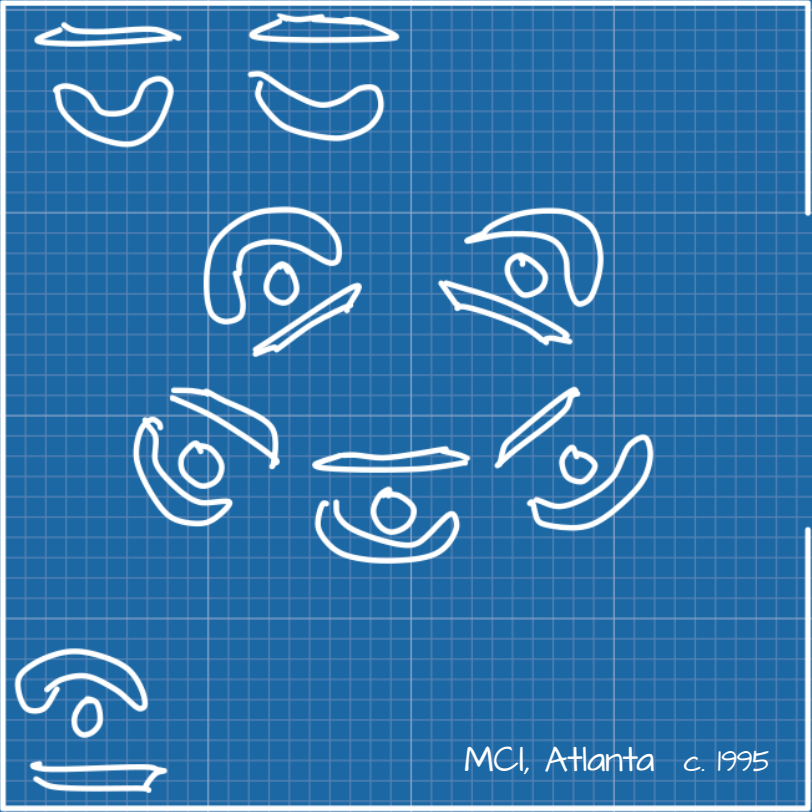1986-1987

ARCHDIOCESE of
BALTIMORE
1987-1989

@JLangr

mGR

operator

HP/3000

JEFF

"CUBE FARM"

...just like 1000's of
other shops!

MARRIOTT, Bethesda, MD 1989-1992
MCI, Pentagon City, VA 1992-1994
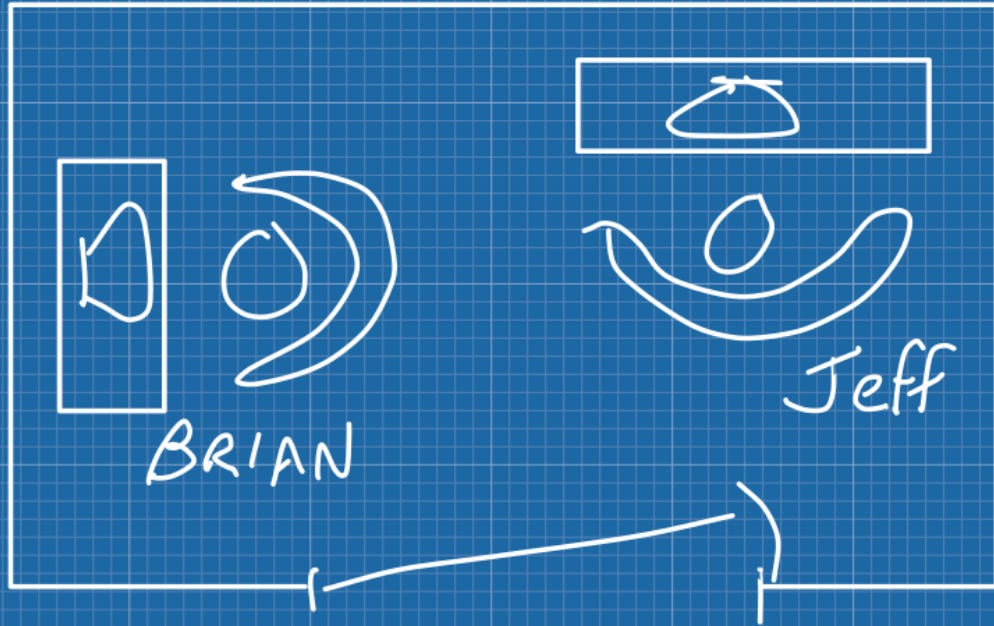MCI, Colorado Springs, MD 1994-1998

@JLangr

MCI, Atlanta c. 1995

@JLangr

CHANNELPOINT, Colorado Springs
1998-2000

BRIAN

Jeff

@JLangr
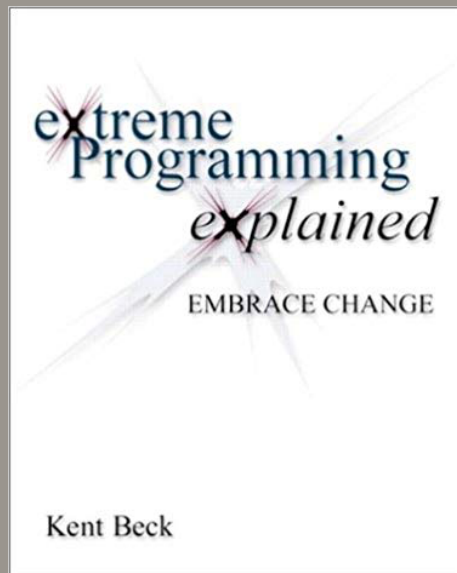
TRANSFORMING IDEA
1999

extreme
Programming
explained

EMBRACE CHANGE

Kent Beck

@JLangr

navigator   driver

Why?

navigator   driver

driver   navigator

PAIR SWAPPING
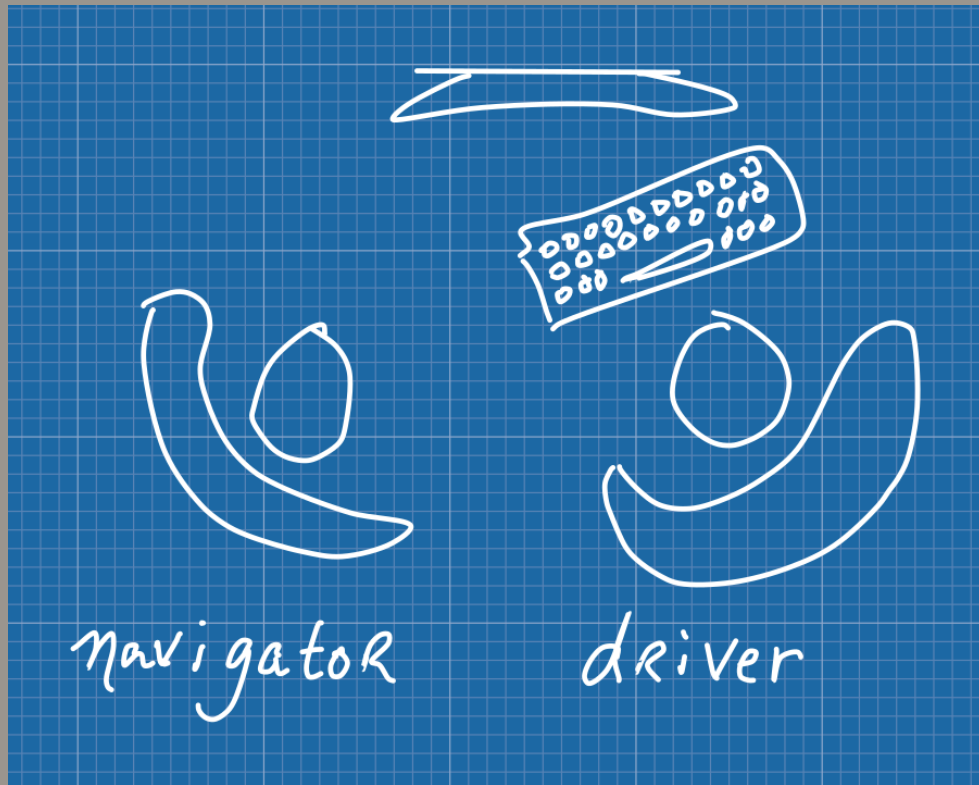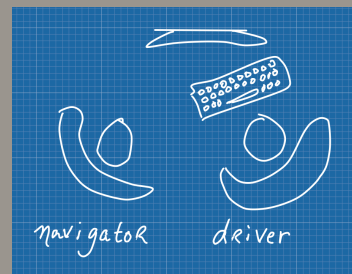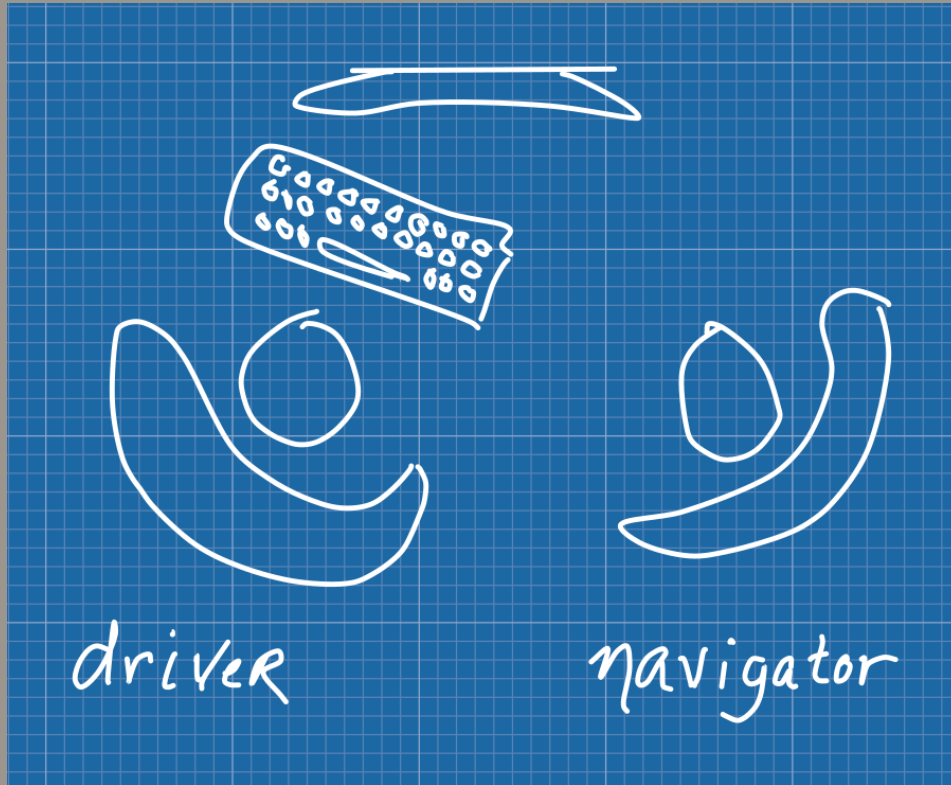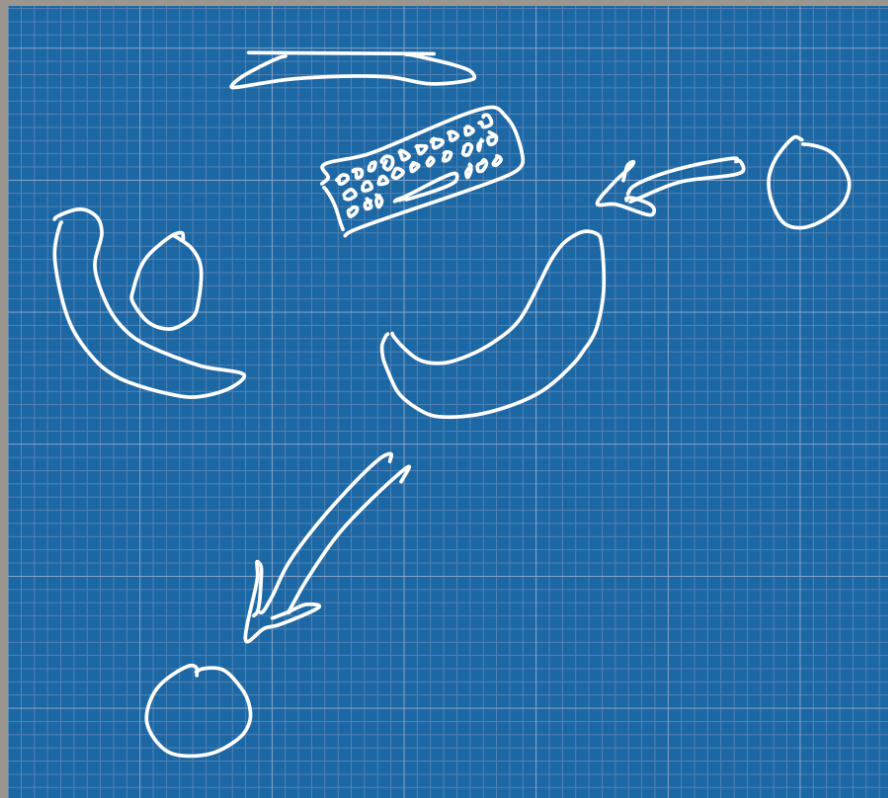
NOT PAIRING!
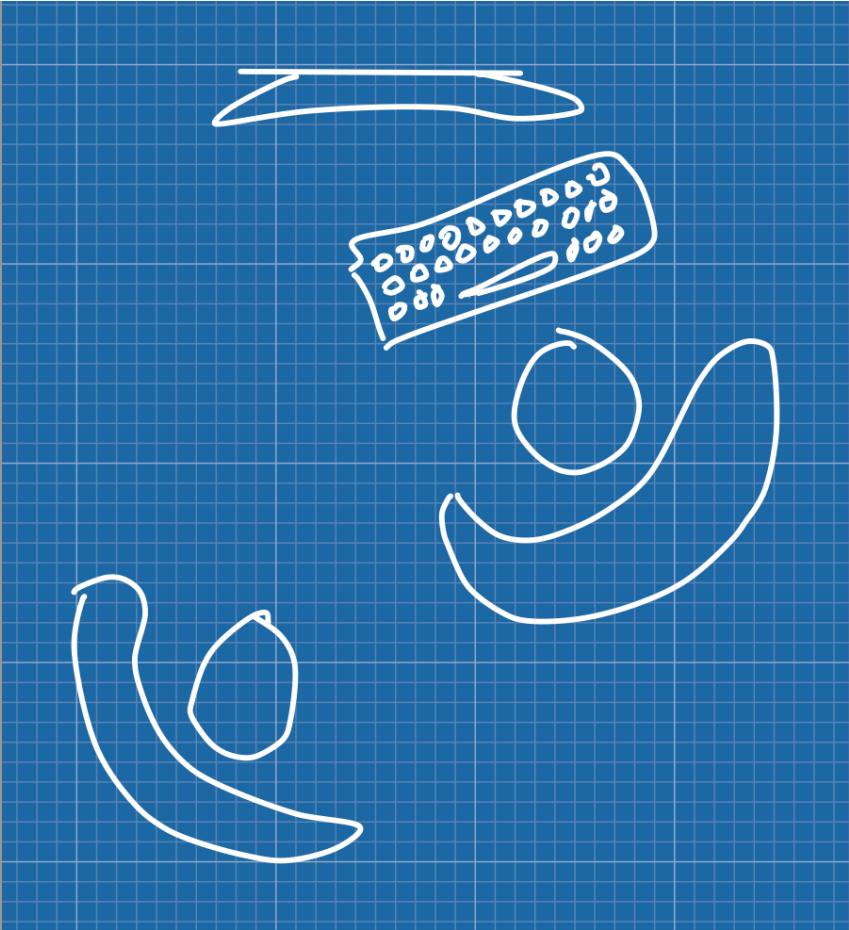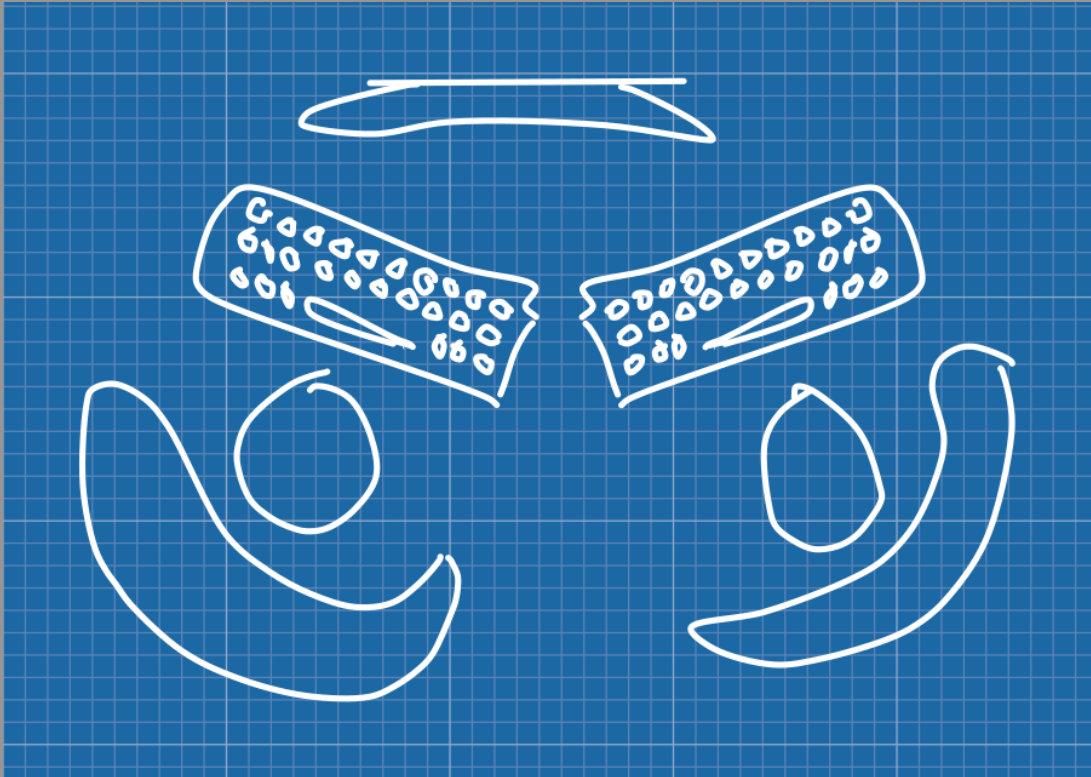
@JLangr

TWO KEYBOARDS

@JLangr
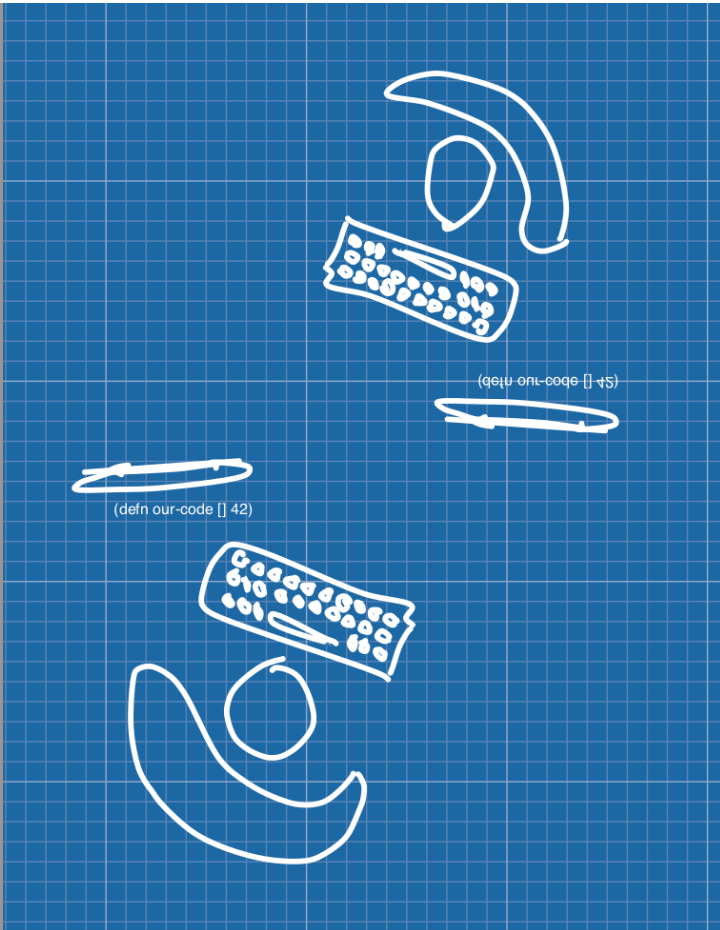
FACE-to-FACE
PAIRING

(defn our-code [] 42)

@JLangr

REMOTE PAIRING

@JLangr

"But it takes twice as long....
But it costs twice as much!"

What is the cost of:
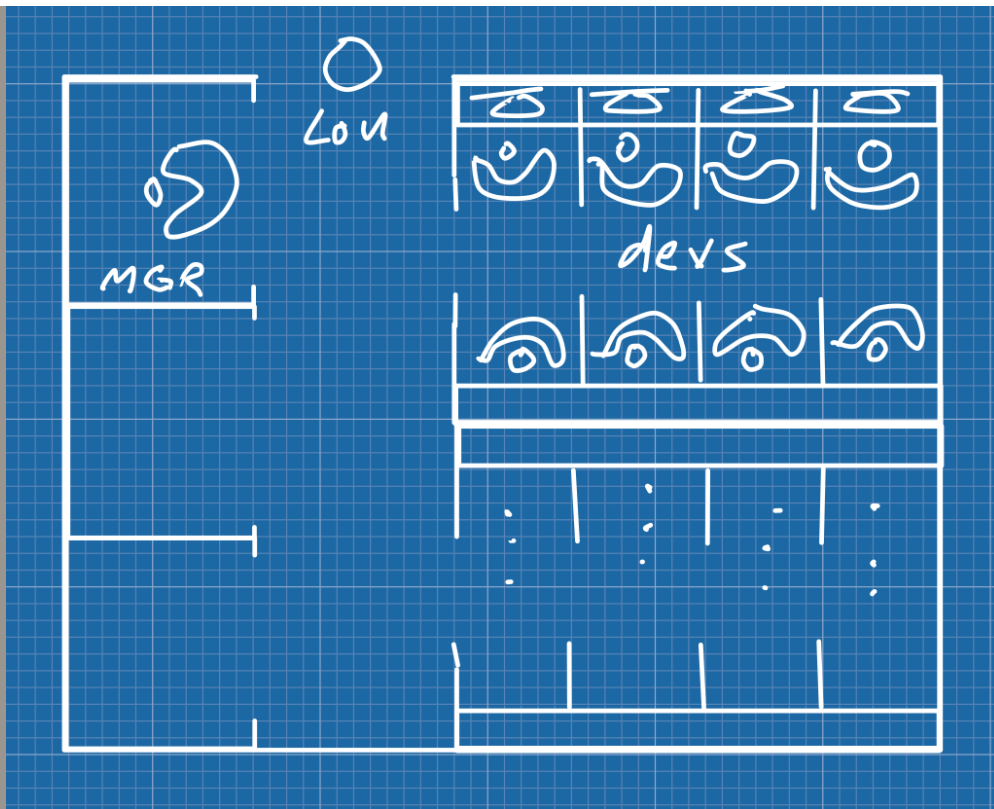- Debugging sessions?
- Poorer design?
- Inscrutable code?
- "Mull time?"
- Loss of key knowledge?
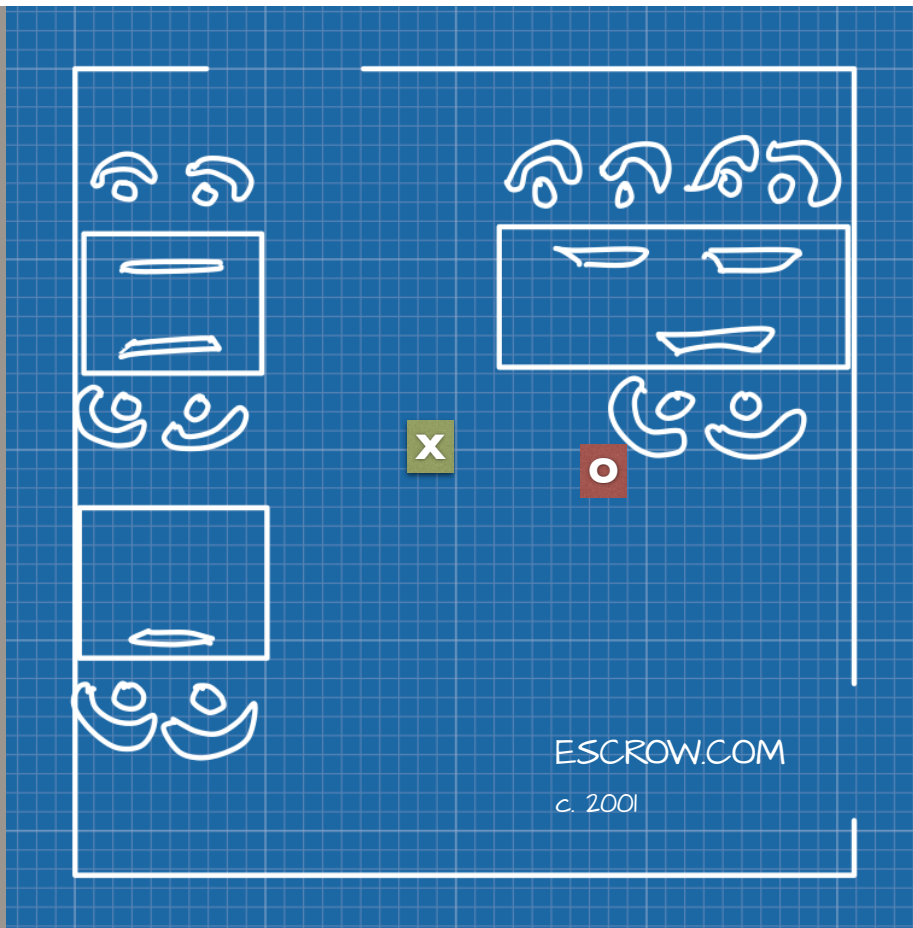- Under-performing devs?
- Ramping up?

TRANSITIONING to CONSULTING

FEDERAL RESERVE BANK, MINNEAPOLIS

c. 2001

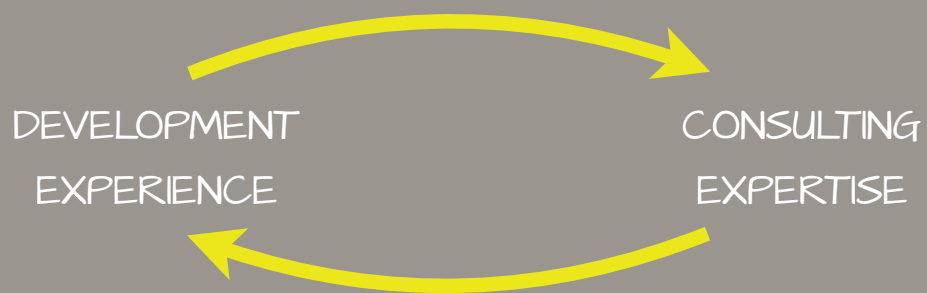@JLangr

ESCROW.COM

c. 2001

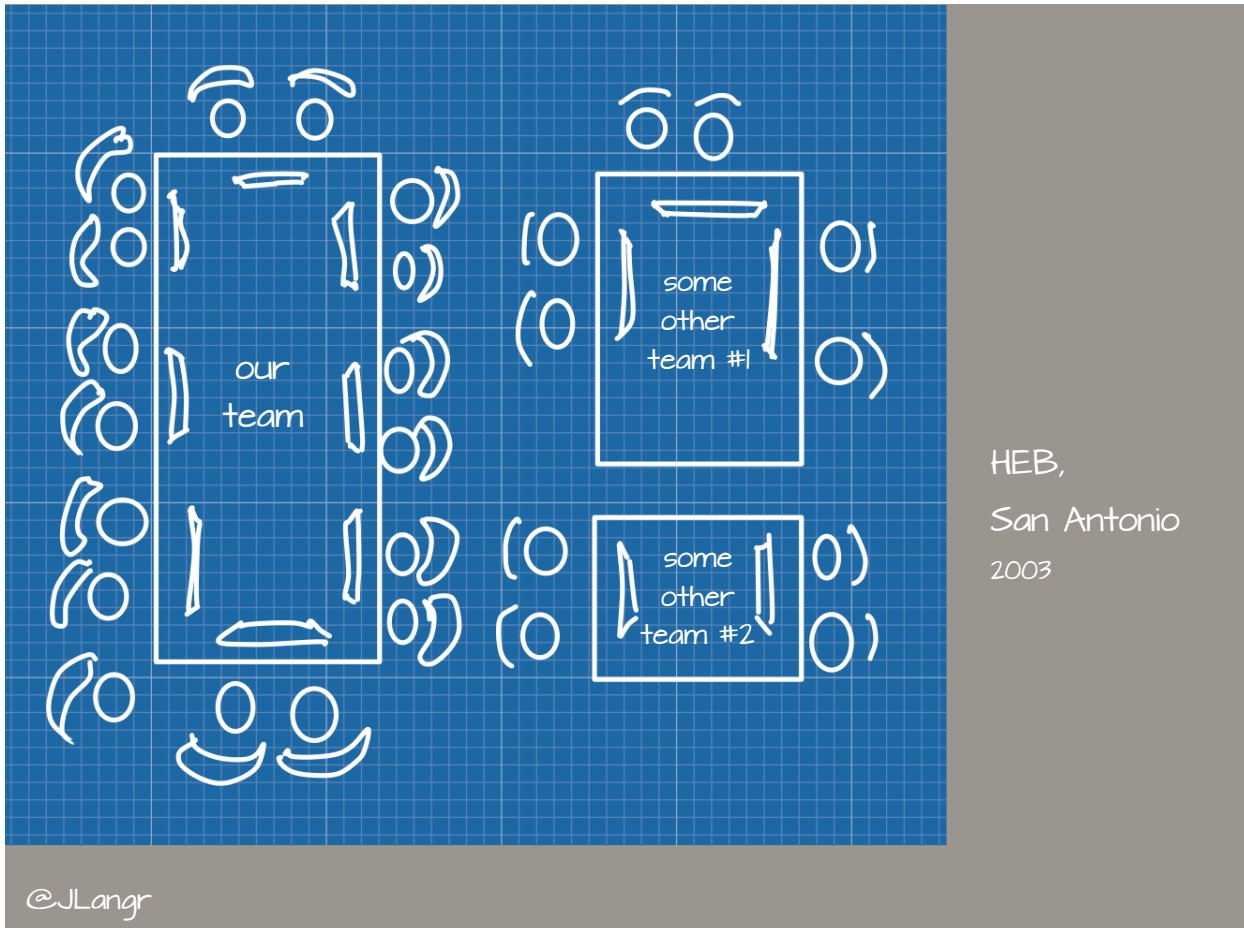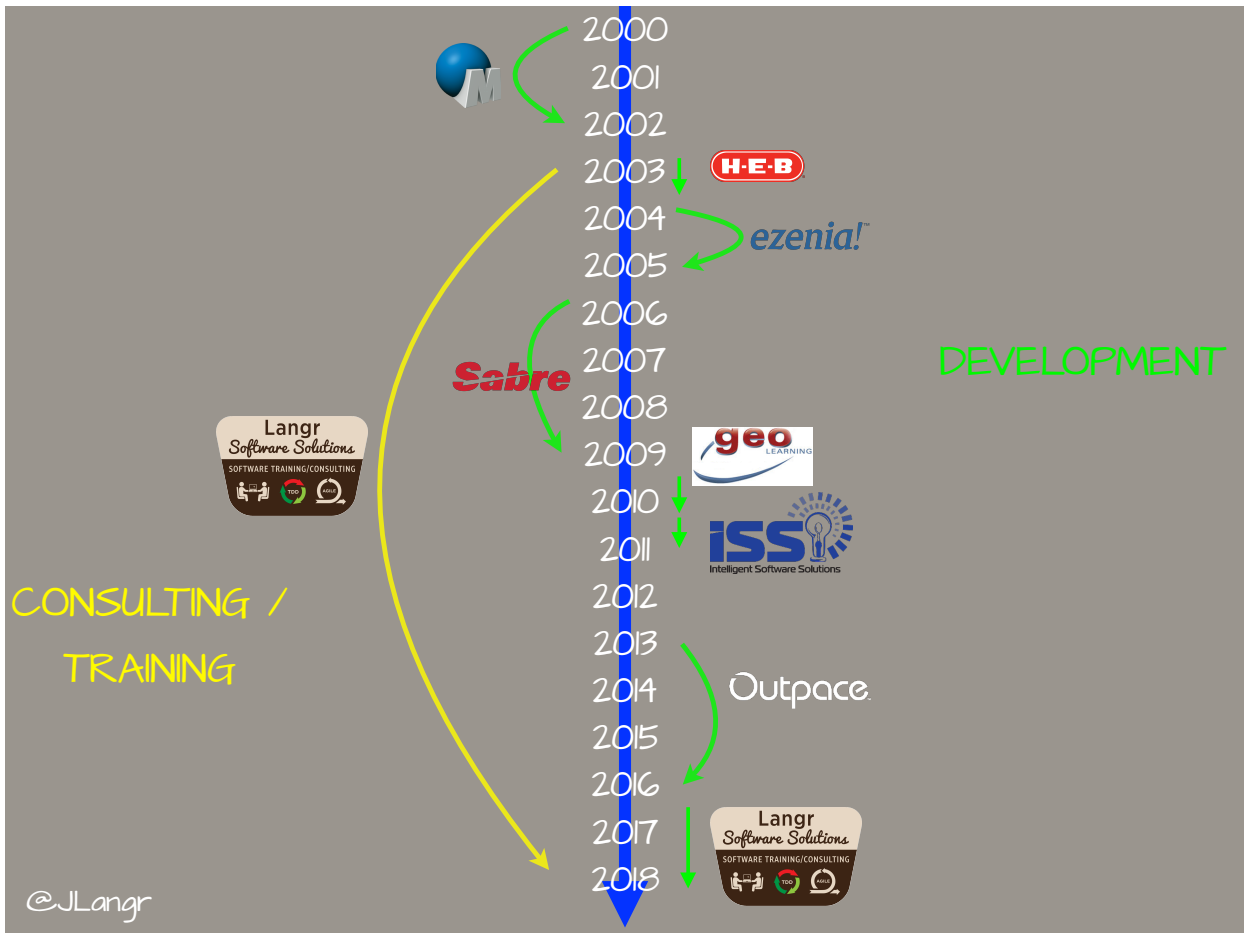@JLangr

SOME PAIRING CHALLENGES

- Fear
- Domination
- Novice-novice
- Hygiene / health
- Interactions
- Physical accommodations
- Accessibility needs
- Shared time
- Individual resistance
- Preferred environments

TRANSITIONING to a CONSULTING / DEV CYCLE

DEVELOPMENT
EXPERIENCE

CONSULTING
EXPERTISE

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SOFTWARE TRAINING/CONSULTING

2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018

DEVELOPMENT

CONSULTING /
TRAINING

@JLangr

---

our team

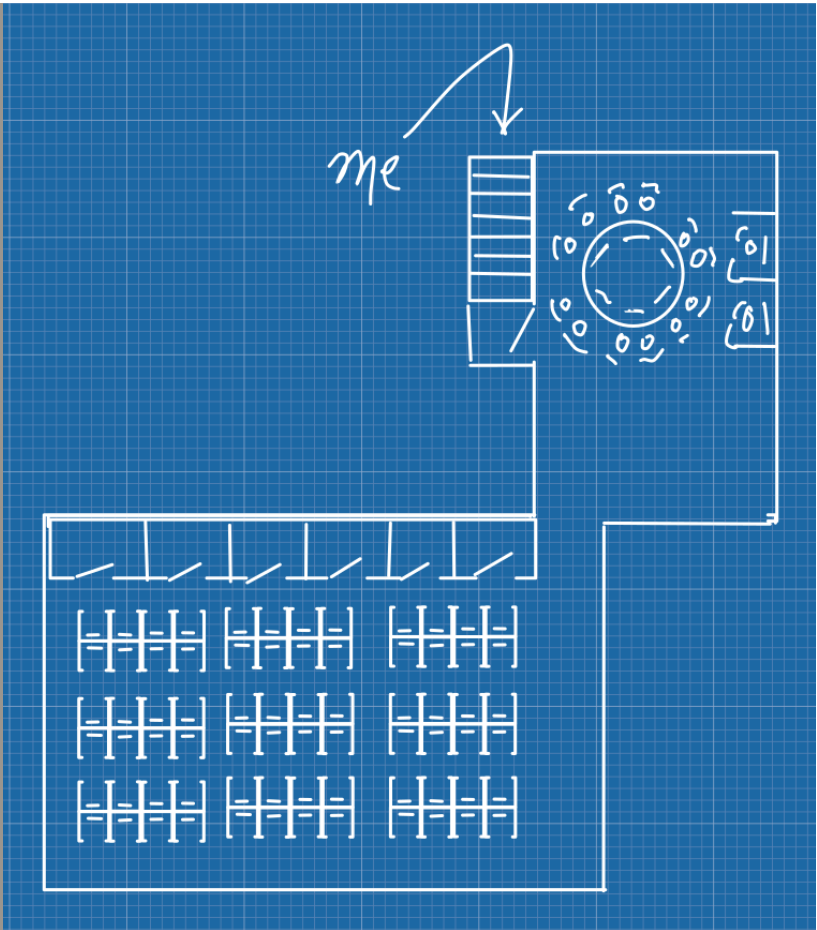some other team #1

some other team #2
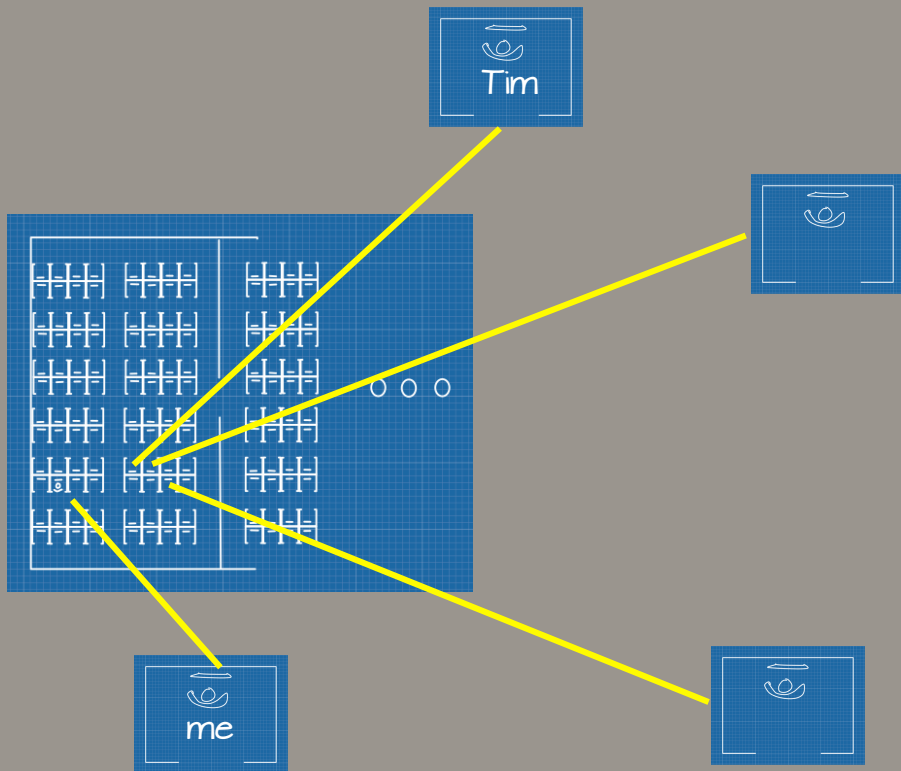
HEB,
San Antonio
2003

@JLangr

NATIONWIDE,
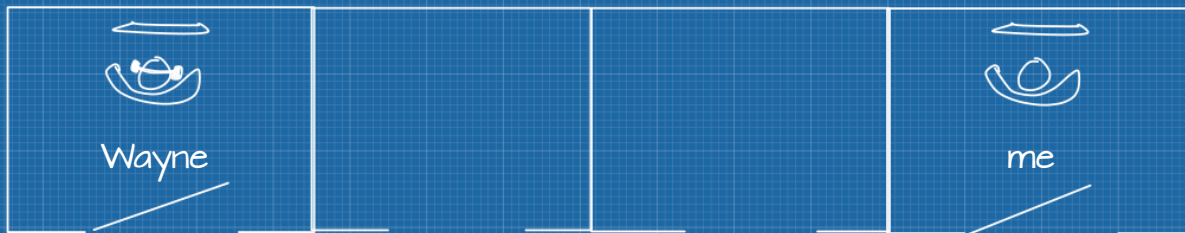Cleveland
c. 2005

@JLangr

GEOLEARNING   2010-2011

Tim

me

@JLangr

ISS, Colorado Springs
2011

@JLangr

Wayne

me

ISS, Colorado Springs
2011

@JLangr

OUTPACE SYSTEMS

2013-2016

Alex Ro.

Yves

me

Mario

Zee

Rusty

Tanya
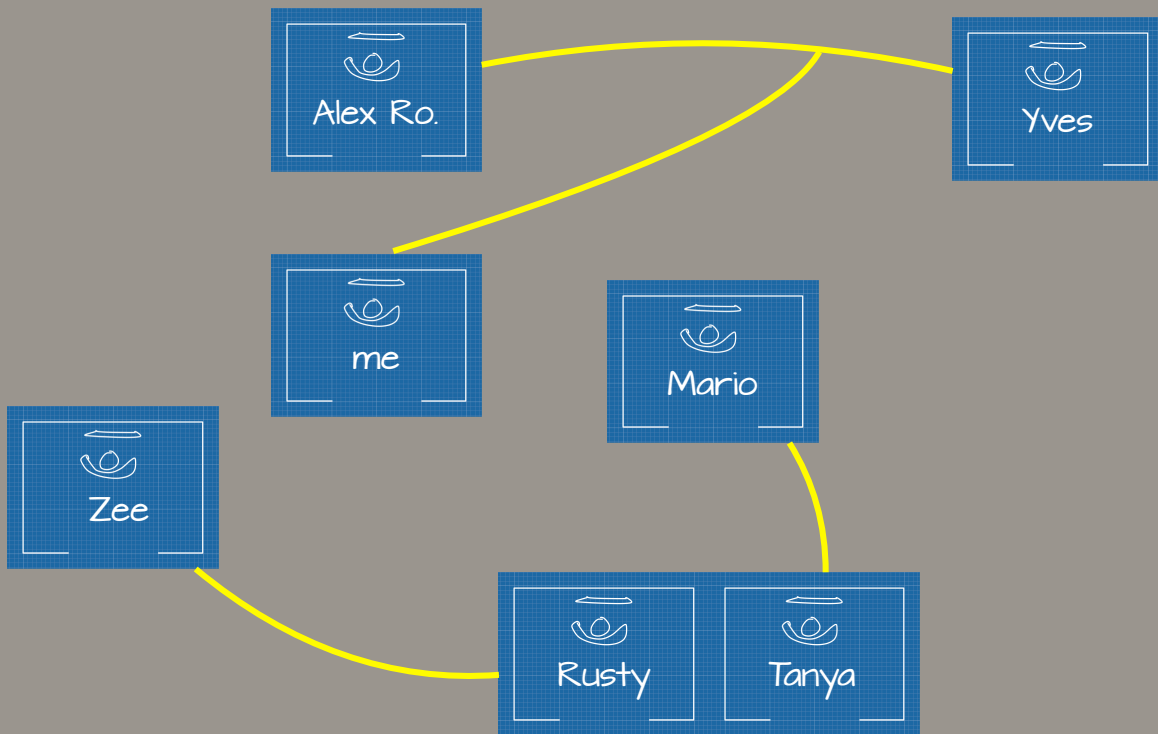
@JLangr

RANDORI SESSION

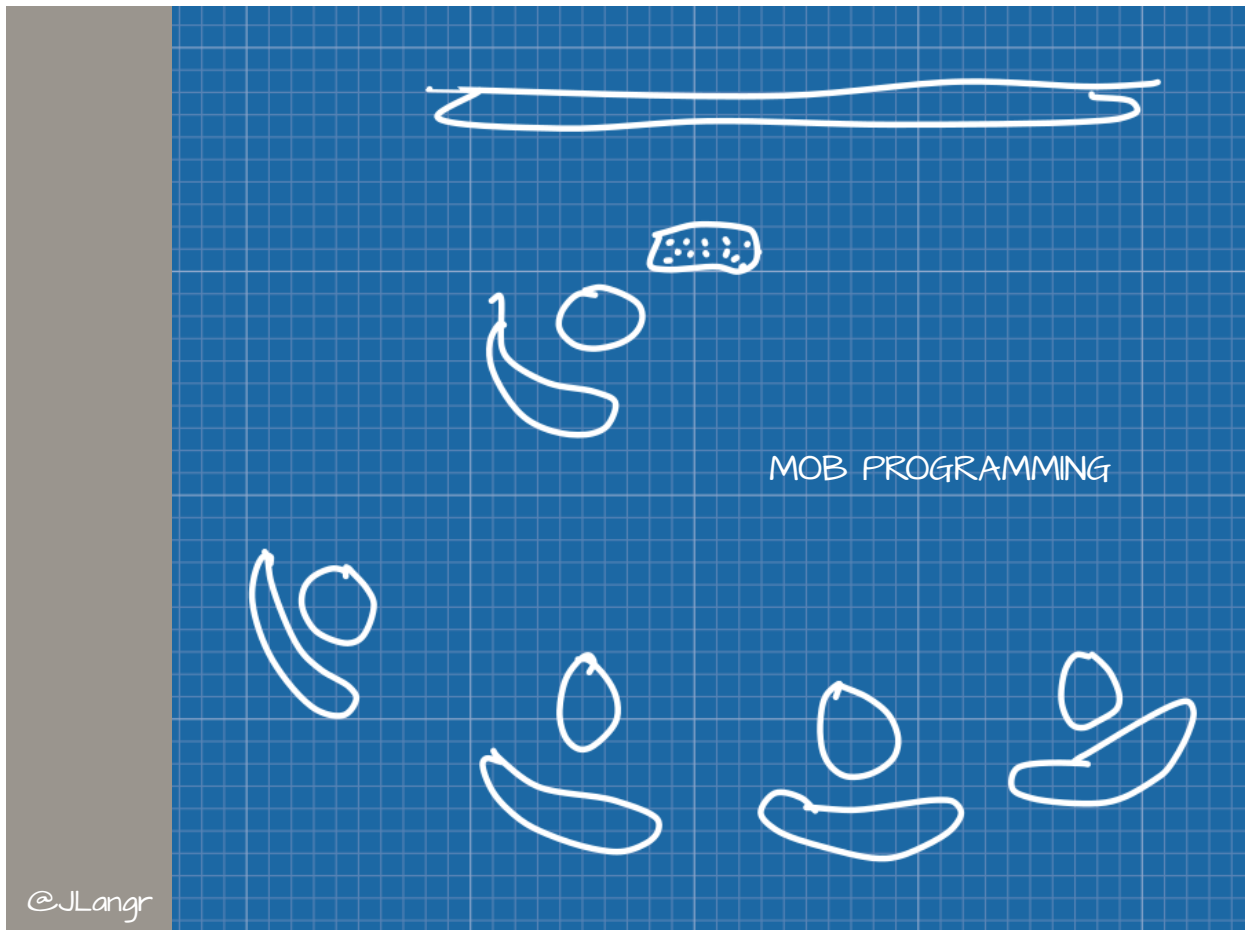@JLangr
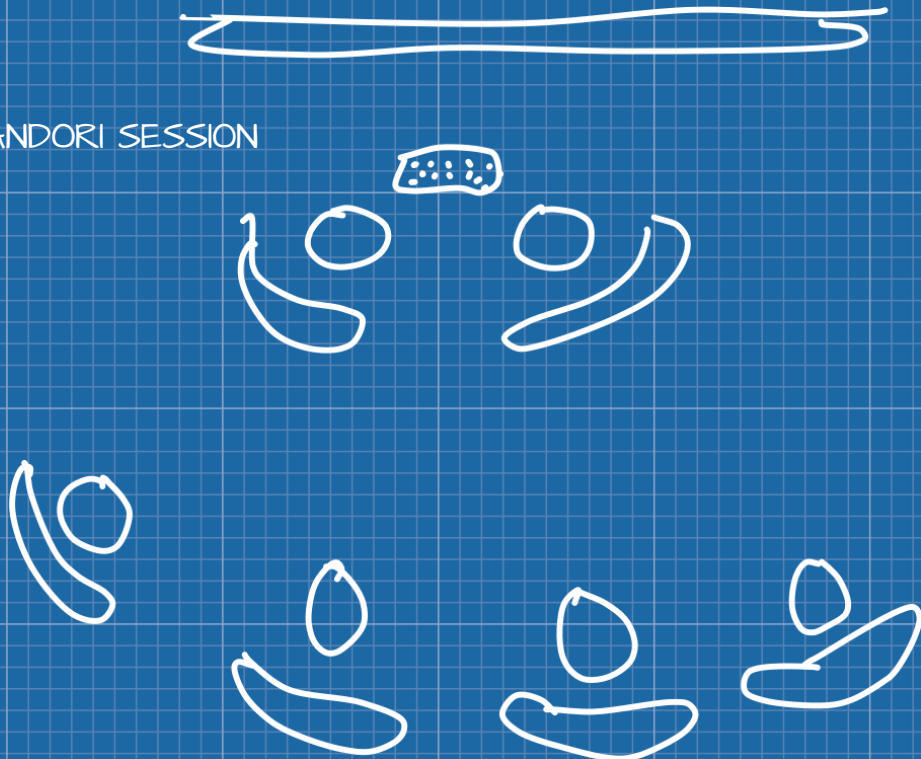
MOB PROGRAMMING

@JLangr

STRONG STYLE PAIRING

"For an idea to go from your head into the computer
it MUST go through someone else's hands."

-- Llewellyn Falco

http://llewellynfalco.blogspot.com/2014/06/llewellyns-strong-style-pairing.html
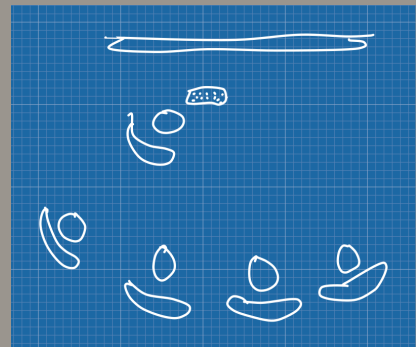
TIMED ROTATION

Howler Timer

@JLangr

"We go faster."

Why?

@JLangr

MOB PROGRAMMING

"All the brilliant people working on the same thing,

at the same time,

in the same place,

and on the same computer."

-- Woody Zuill

http://mobprogramming.org

Photo courtesy Agile Ailliance.

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Thank you!

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SOFTWARE TRAINING/CONSULTING

TDD   AGILE