Pair Programming

How to Pair

- Start with a small, reasonably well-defined task before you sit down
- Rely on your partner, support your partner
- Talk and sync up frequently
- Celebrate as you complete tasks and overcome problems
- Switch roles often—at least every 15 minutes

http://www.wikihow.com/Pair-Program

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Pairing Infrastructure

Monitors

One Monitor
 – Both Pairs are looking at the same location
 – Smaller Desktop

Two Monitors – Mirrored
 – Pairs not looking at the same location
 – Smaller Desktop
 – Conversations don't come as easily

Two Monitors – Spanned
 – Both Pairs are looking at the same location
 – One Huge Desktop
 – Enables more non-verbal communication

Keyboard and Mouse

One Shared

   – Encourages Communication

   – Must either express yourself or ask for the keyboard

Two (One for each person)

   – Faster to take control

   – Less physical movement
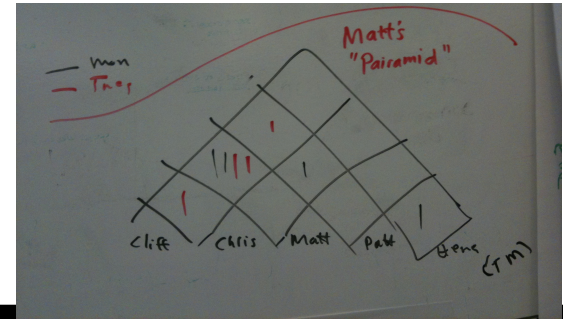
   – Less germ spreading!

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Pair Rotation Techniques

Egg Timer / Chess Clock

– Encourages rotation of roles within a pair

– Driver swapping

Pair Stair/Pairamid

– Encourages working with everybody

	A	B	C	D	E	F	G	H
H								
G								1
F							2	3
E					1	3		
D				2				
C			1					
B		2	3					
A		1	3					2

Story #1

As a customer

I want to see my frequent renter points for this order

So I know when I'm eligible for a free rental

- Acceptance criteria
- One point per rental
- Display on statement after checkout
- Display on statement history

Pairing

STYLES

Pairing Styles

Driver and Navigator

- Driver works tactically, Navigator works strategically
- Easiest to start with
- Roles should be swapped as frequently as possible

Pairing Styles

Ping-Pong

- 'A' writes a test, 'B' makes it green.

- Next 'B' writes the test, 'A' makes it green

- A mix of Pairing and Test Driven Development (TDD)

Pairing Styles

Ball and Board

- One person controls the mouse (The Ball)
- The other person controls the keyboard (The Board)
- Useful for forcing yourself to learn keyboard shortcuts
- You either learn them, or have to ask the Ball to do things for you