Team Programming For Fun and Profit

Agile Manchester 2023

Can we agree to be CLEAR?

"All the brilliant minds working together,
on the same thing,
at the same time,
in the same space,
and at the same computer"

- *Woody Zuill*

Syllabus

“Go somewhere you know nothing about, and see what happens”
- Karl Ove Knausgard

Whole Team Programming: *Agenda*

01

Concepts and History

Quick History
What's in a name?
Getting started

02

Explanation of Practice

Roles
Communication Framework
Exercises

03

Let's Collaborate

Put hands on keyboards
Wash, Rinse, Repeat

04

Retrospective

Feedback
Q&A
What's next?

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01: Concepts

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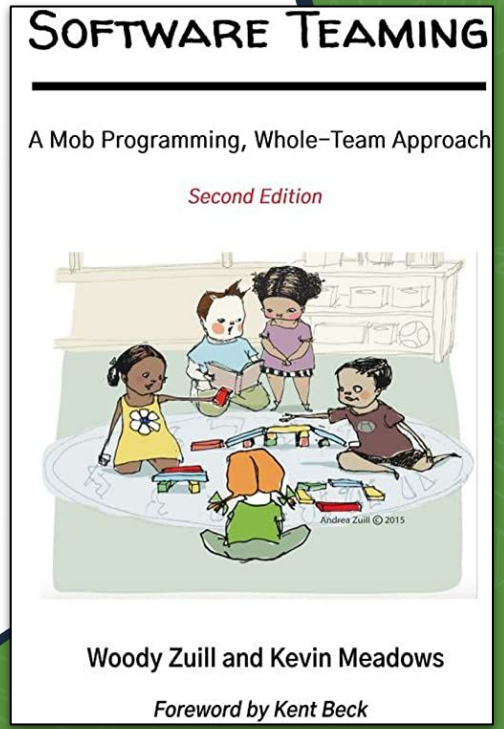
Concepts:

Software Teaming

Woody Zuill and Kevin Meadows



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Concepts:

What's in a name?

Mobbing, Ensemble, Software Teaming, Whole Team Programming

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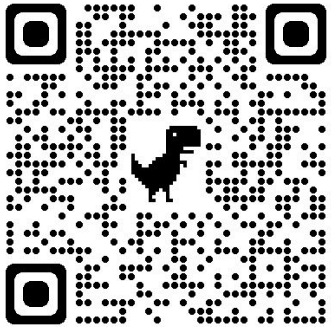
Concepts:

Scatter Gather vs Collaboration



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VS

Concepts:

Collaboration

Do you work as a Team,
or group of Independent Contributors?

Collaborative teams:

- Produce higher quality code more rapidly
- Grow Team Ownership and Code Responsibility
- Have a “rising tide effect” on all members
- Find more effective solutions
- Are happier

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02: Practice

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Explanation Of Practice:
Roles

Driver - a smart input to get the code into the computer
Navigator - solves the problem at hand

Steward - move the work through the process
Sheriff - guards the flow of the group

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Explanation Of Practice:
Communication

Intent, Location, Details

Say your Intent:
"I want to call a function to calculate the value of two integers"

Give Location (if needed):
"You can add it on line 45" or "Let's put it in the 'Calculator' class file"

Give Details (if needed):
"I want to set up the code to pass the class into the handler we'll be writing next..."

Explanation Of Practice:
Today's Practice

From chaos comes order

Join a group
- Ability isn't important
- Make a circle of chairs
- One person at the keyboard

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Explanation Of Practice:
Today's Practice

From chaos comes order

Practice rotating
- Driver moves to the end of the line
- Navigator moves to drivers seat

*You can pass****

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03: Configuration

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configuration

Download Repository

Clone the repo
https://github.com/MyTurnyet/wholeteam_js

Run:
yarn install
then
yarn test

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04: Iterate

Interation 1

Let's get started

Numbers 0 - 19 return words representing those numbers

0 = "zero", 1 = "one", ... 19 = "nineteen"

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Retro!

Interation 2

Multiples of 10 return words representing those numbers

(Up to 90)

10 = “ten”, 20 = “twenty”, … 90 = “ninety”

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Retro!

Interation 3

Let's get started

Numbers 21 - 29 return words representing those numbers

21 = "twenty-one", 22 = "twenty-two", ... 29 = "twenty-nine"

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Retro!

Interation 4

Multiples of 100 return words representing those numbers

100 = “one hundred”, 2 = “two hundred”, … 900 = “nine hundred”

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Retro!

Interation 5

Numbers between 100 and 199 have the word “and”

121 = “one hundred and twenty-one”
156 = “one hundred and fifty-six”

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Retro!

Interation 3

Let's get started

Numbers 21 - 29 return words representing those numbers

21 = "twenty-one", 22 = "twenty-two", ... 29 = "twenty-nine"

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Retro!

Resources

Paige Watson
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Twitter: @PaigeIsXP

Mastodon:
https://techhub.social/@paigewatson

LinkedIn:
https://www.linkedin.com/in/paige-watson-b817564/

Resources Link

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Thank You

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