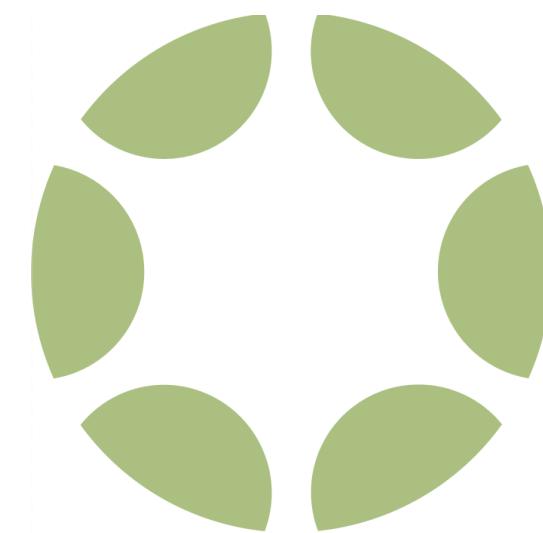


A teams journey from pairing to mob programming

Josh Porter - 24th May 2023

Josh Porter

Software Engineer - OneSearch



awaze



Pairing

Ways of working challenges ⚠

- Team with 5+ pairs - 2021
- Stuck in same pairs, rotation was difficult
- Knowledge silos
- PR conflicts/organise a code review
- Work definition overhead
- QA in the team felt isolated

“Mob Programming is a software development approach where the whole team works on the same *thing*, at the same *time*, in the same *space*, and at the same *computer*. ”

Mob Programming - Setup



Mob Programming- Roles

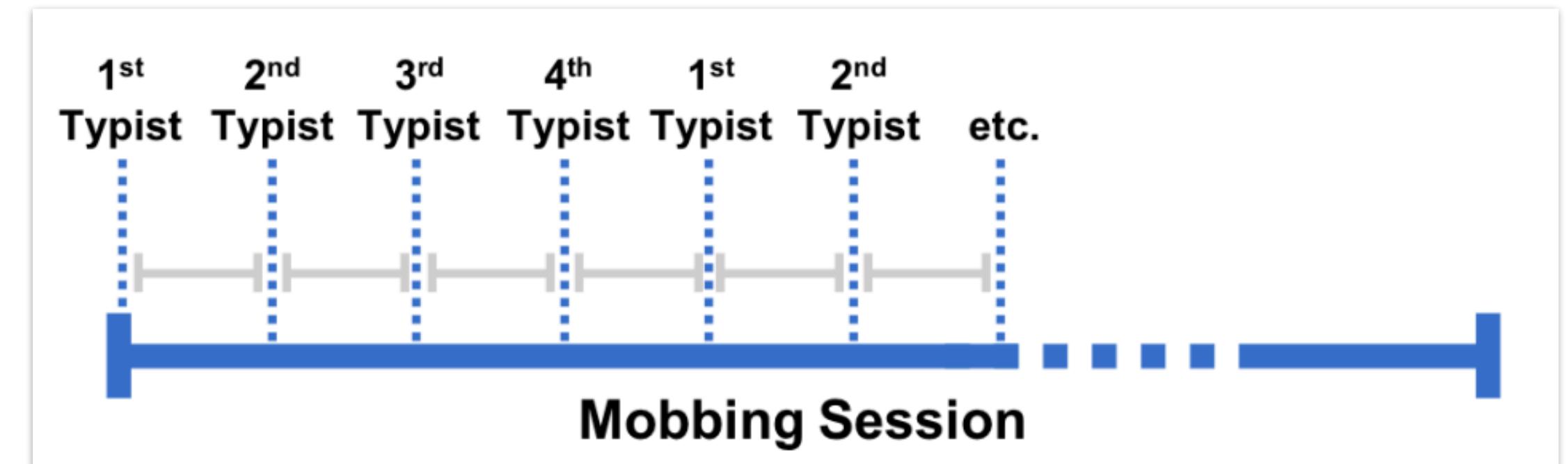
Two roles: Typist/Rest of Mob

Typist

- *Implement* the code
- Ask clarifying questions
- *Trust* the rest of the mob
- *Learn* new ideas and uses of tools

Rest of Mob

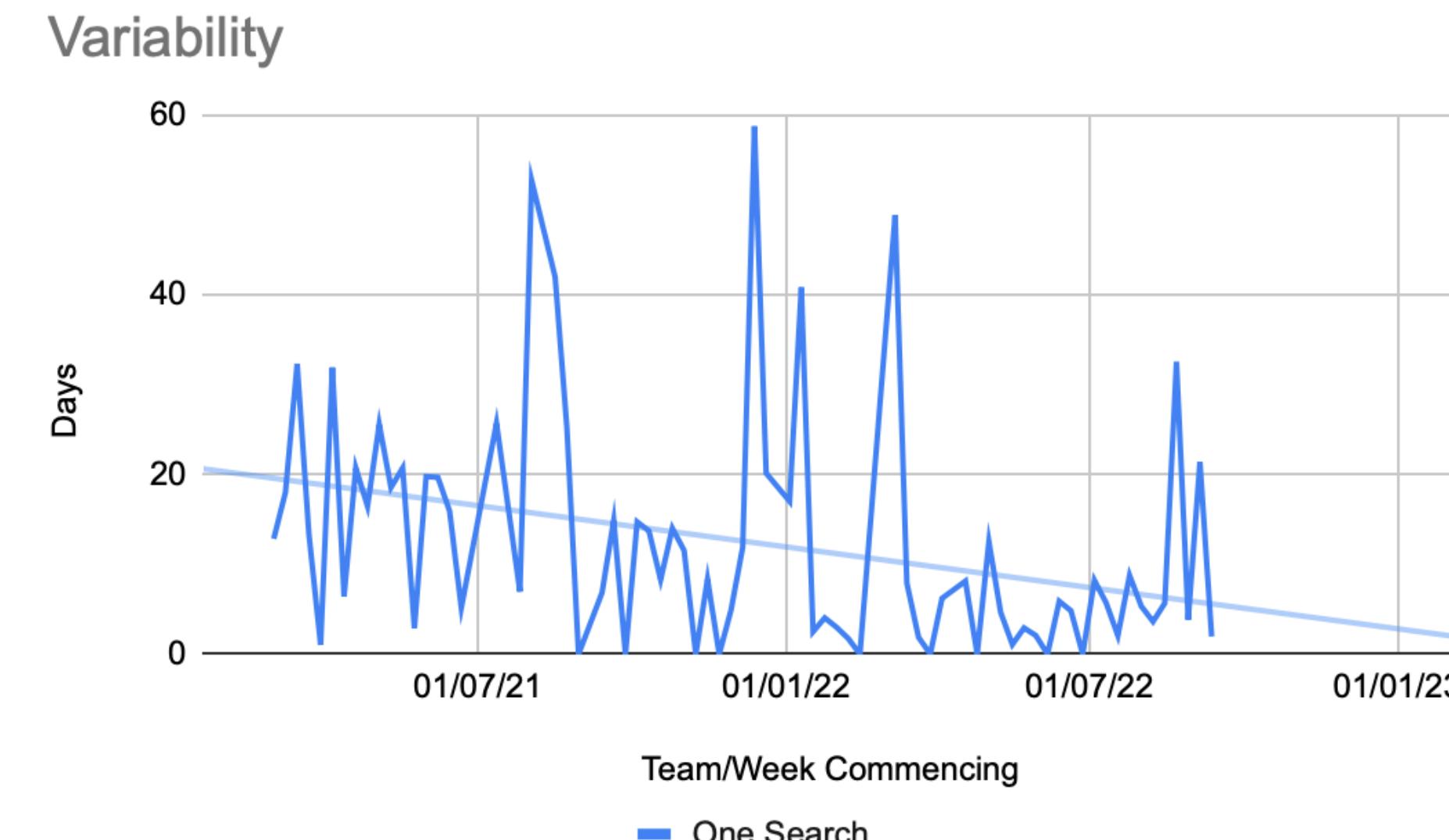
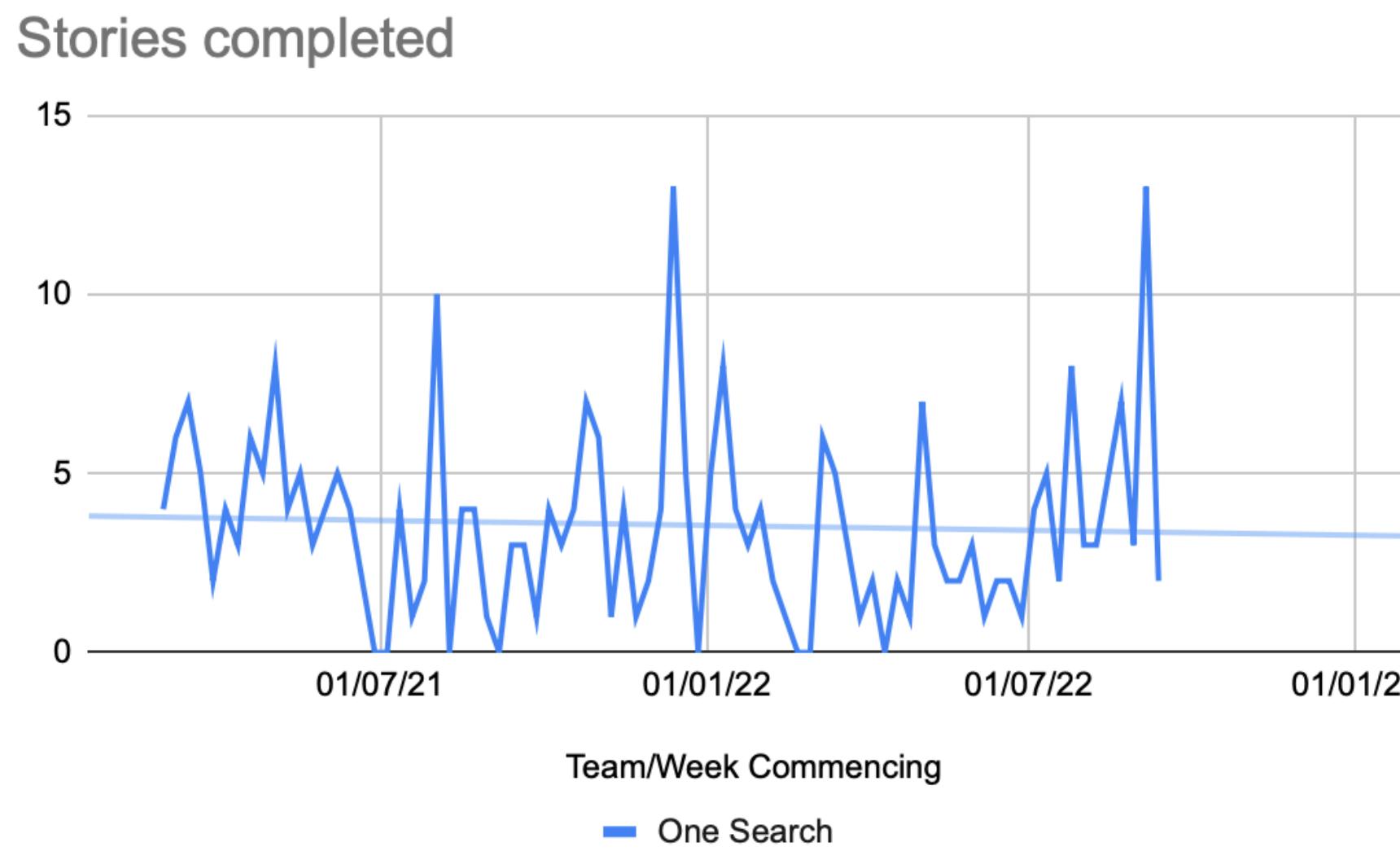
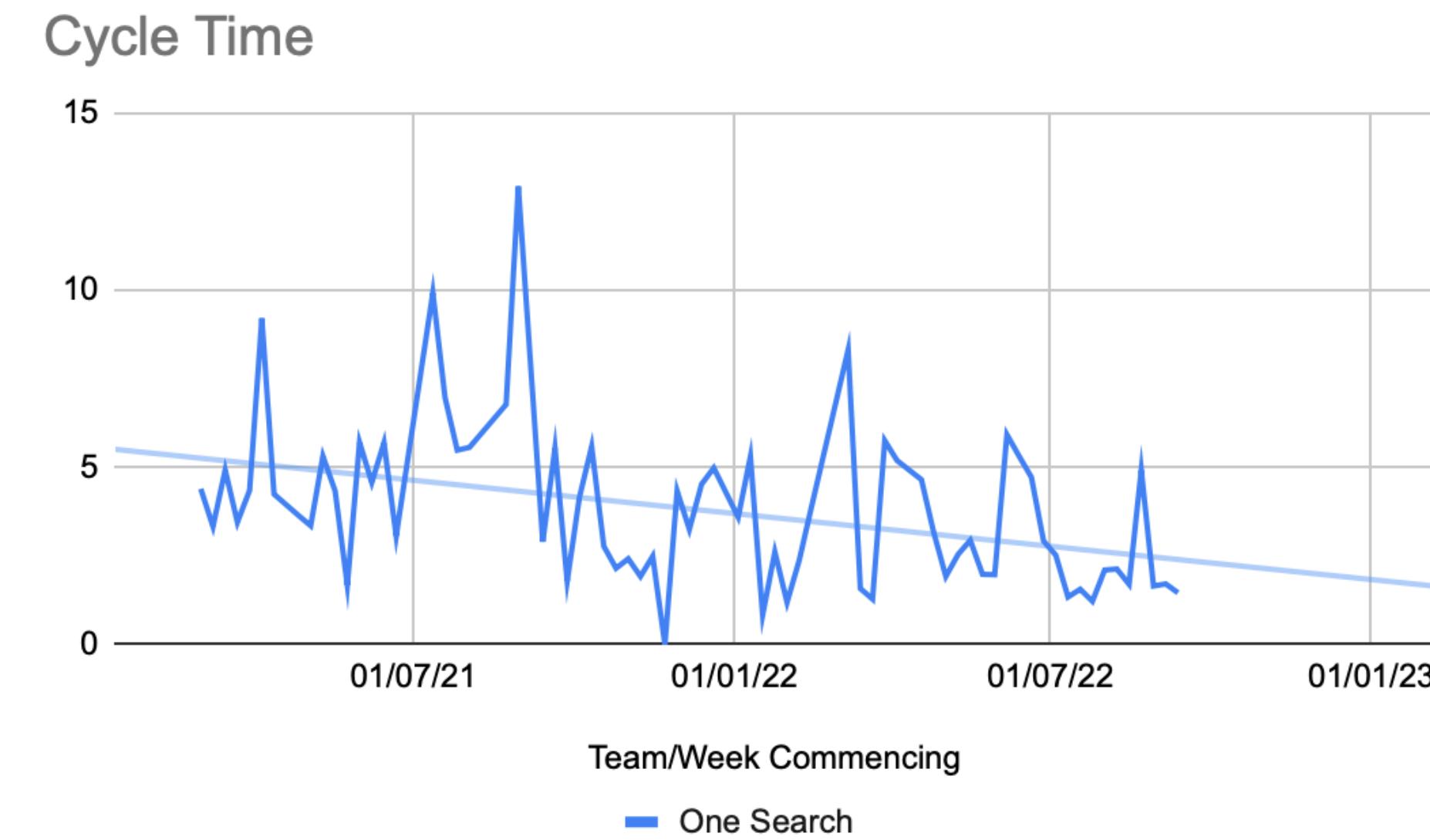
- Help *discover* what the next logical step is to solving the problem
- *Contribute* to increasing the level of understanding in the mob
- *Focus* on the problem at hand
- *Listen* to others
- *Anticipate* needed information



Benefits

What went well 

- Faster problem-solving
- Improved code quality



Benefits

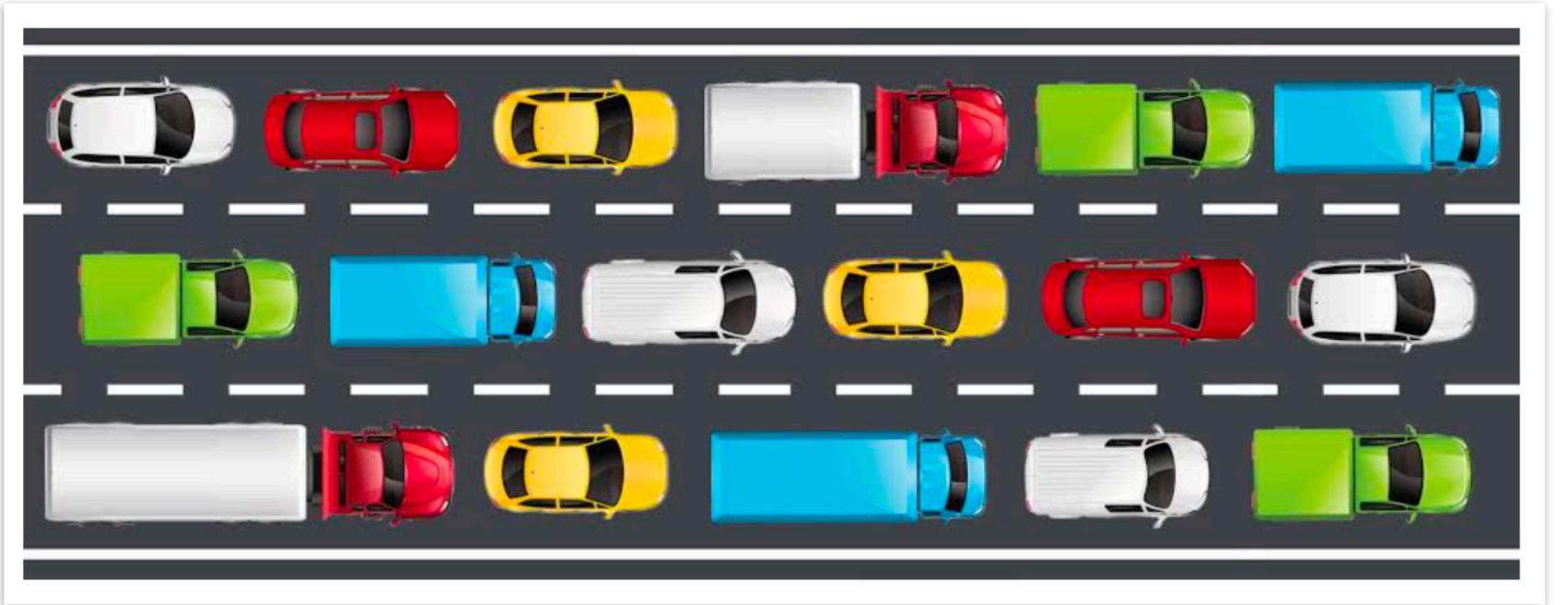
What went well ✓

- Reduction in knowledge silos/“single point of failure”
- Team members can leave/join mob (e.g holidays, meetings), work continues
- QA involvement
- Less context switching
- New members up to speed
- "Just In Time" story refinement
- Bring PO/EM to answer questions
- Visibility of work

Benefits

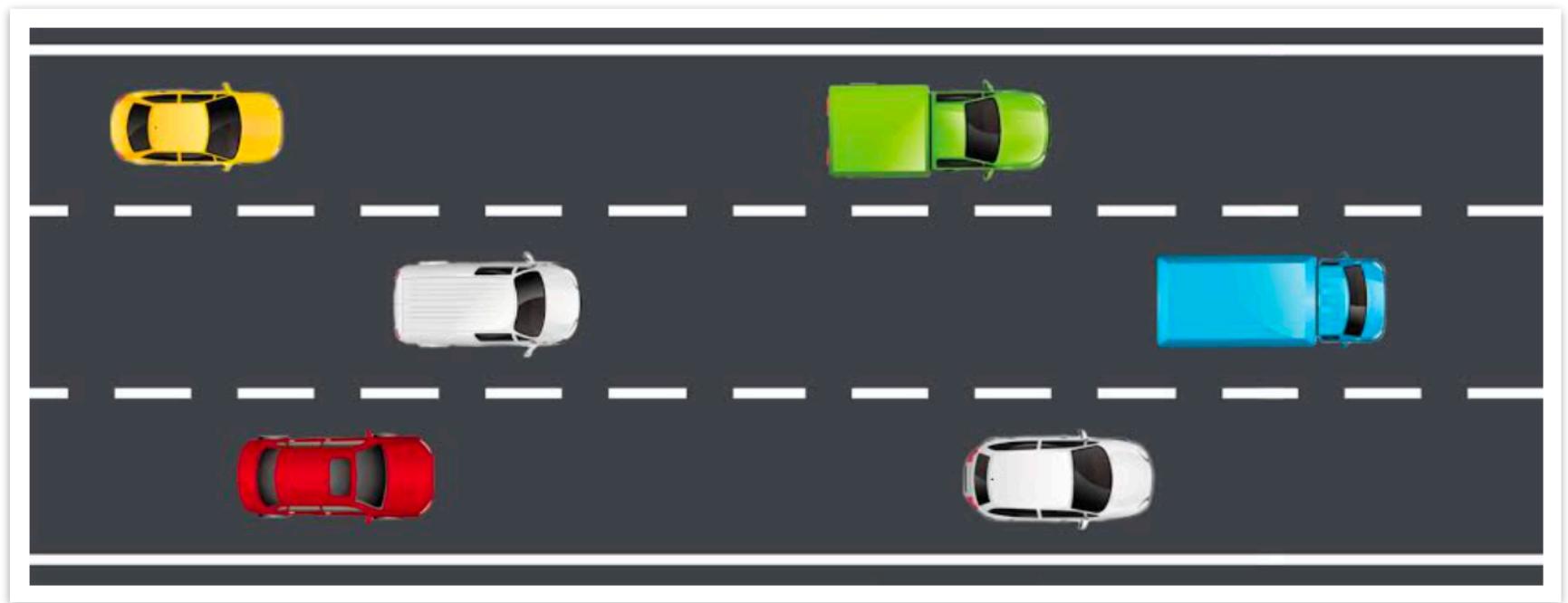
What went well ✓

Flow



Resource Utilisation

vs



Flow Utilisation

Challenges

Challenge	Solution
Unequal participation/Lack of rotation	Assign facilitator for the mob to ensure rotation of roles
Expert takes control	Allow others in mob to solve problem and learn. Empathy
No clear path	Divide and conquer (with time box)

Tools & Tips

- Structure your day
 - Morning/Afternoon mob session
- Take breaks after a full rotation
 - e.g Team of 5: 10 minute rotations & 10min break
- Teams/Slack etiquette
 - Meeting/team chat with ticket
 - Cameras on 
- Remote mobbing <http://mob.sh>

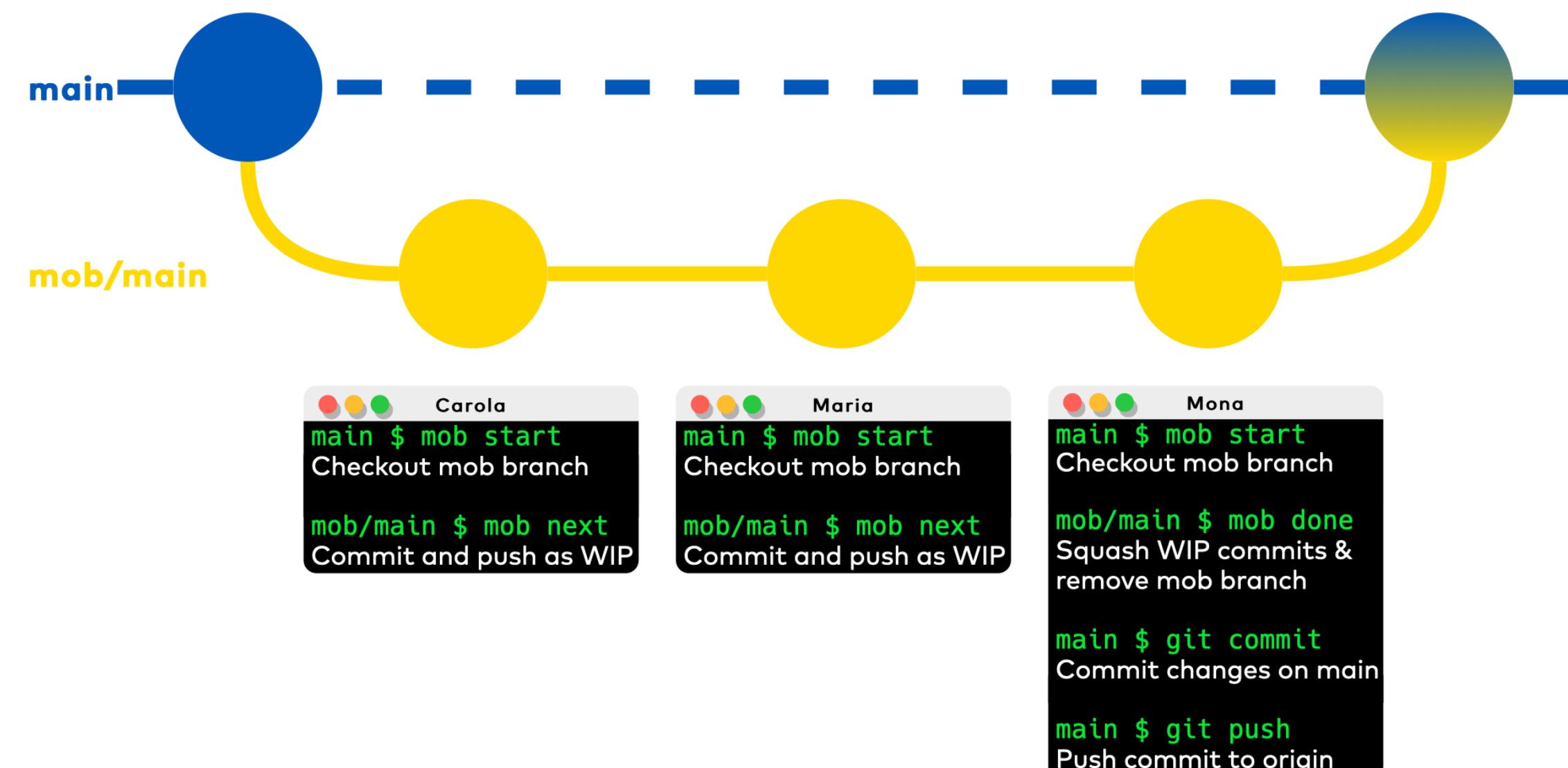


build passing contributors 67 downloads 60k downloads@latest 1.6k stars 1.4k

#StandWithUkraine [donate here](#) #StandWithUkraine

Fast [git handover](#) for remote pair/mob programming.

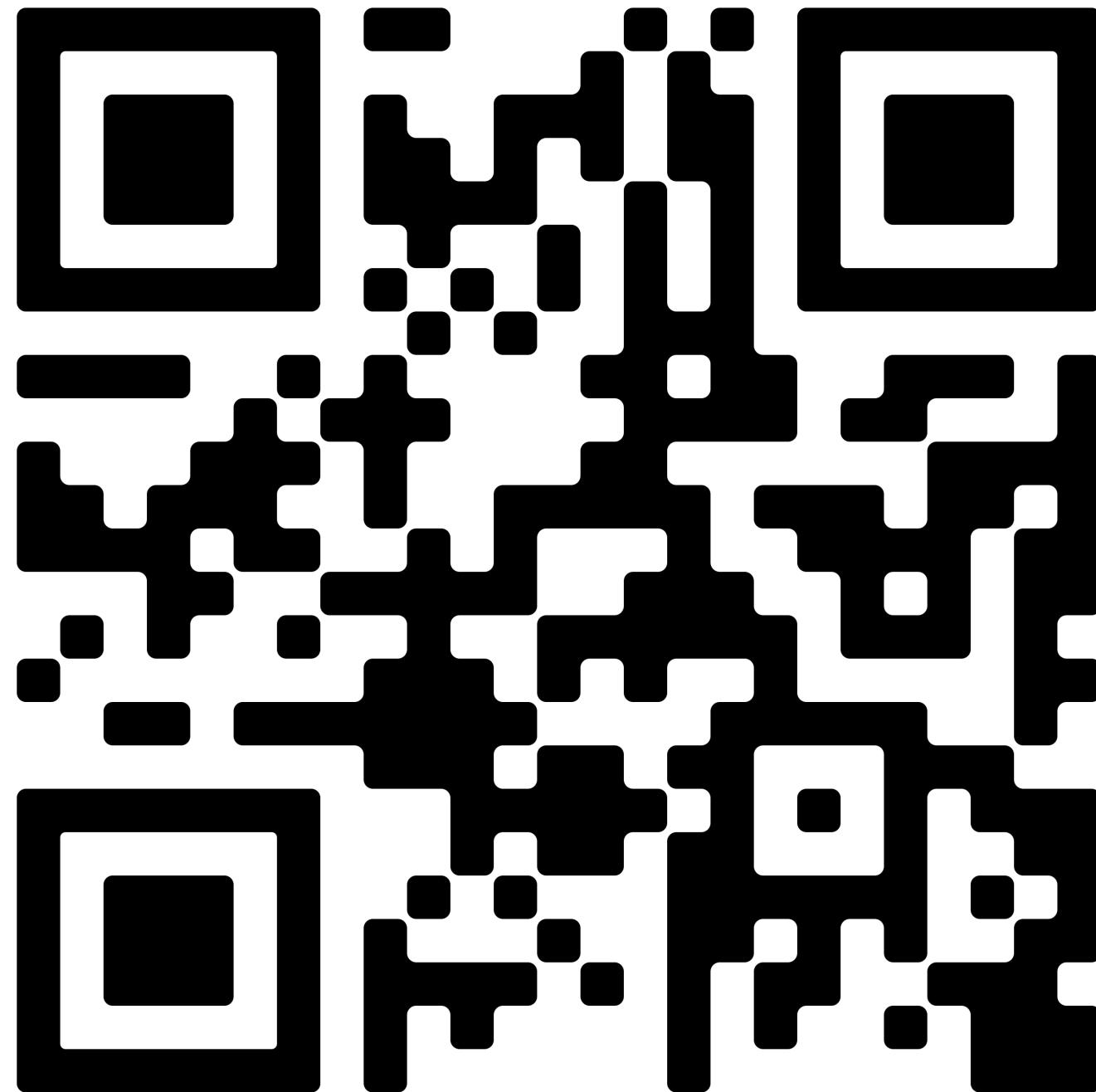
- mob is [an open source command line tool written in go](#)
- mob is the fastest way to [hand over code via git](#)
- mob keeps your branches clean and only creates WIP commits on temporary branches
- mob has a shared team timer [timer.mob.sh](#)
- mob is on 'assess' in the [Thoughtworks Technology Radar](#)
- mob has [VSCode integration](#)



Thanks!

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SOFTWARE TEAMING

A Mob Programming, Whole-Team Approach

Second Edition



Woody Zuill and Kevin Meadows

Foreword by Kent Beck

joshuawporter