

Remote Mob Programming In A High Stakes Environment

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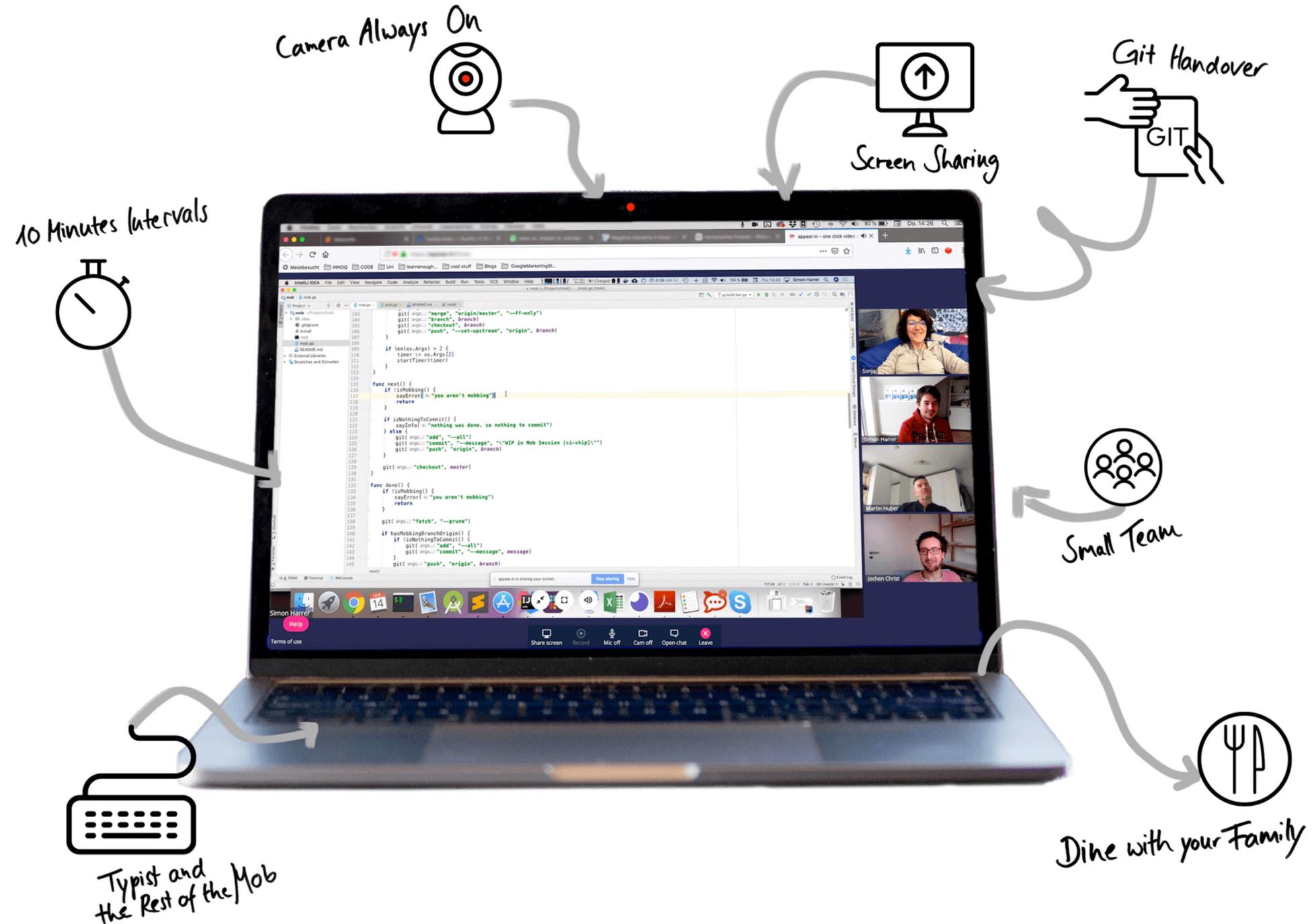
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Mob (Ensemble) Programming



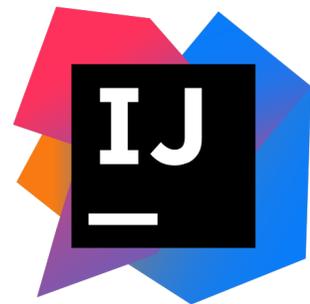
Remote Mob Programming



Tools



zoom



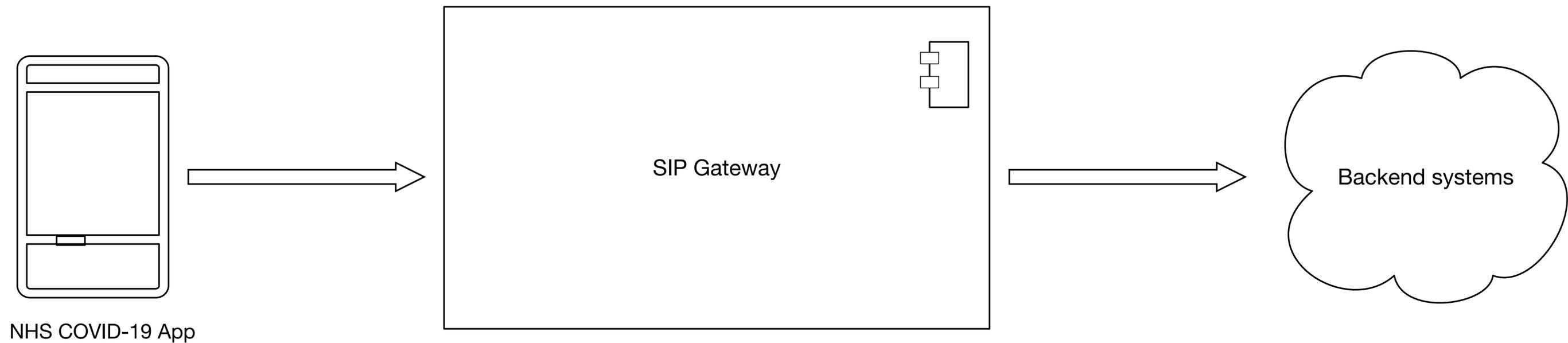
mob

 slack



TUPLE

The System: SIP Gateway



A High Stakes Environment



- Very short, hard, deadlines
- Unstable requirements
- Hard security and accessibility constraints
- High visibility, especially for failure

The Team



- Delivery manager
- Technical Lead
- Five developers
- Experts from other teams (part-time)

The Team



- Distributed over five countries, and three timezones
- Members unknown to each other
- Limited experience with some of the tools

Setting The Stage



- Teamwork
- Grades are irrelevant
 - What counts is contribution

Setting The Stage



- High quality
- Automation
- Four-eyes principle
- Collective ownership
- Collective accountability

Why Mob Programming?



- Resilience
- Learning
- Quality

Why Mob Programming?



- Less remote work isolation
- Better teamwork
- Fewer bottlenecks

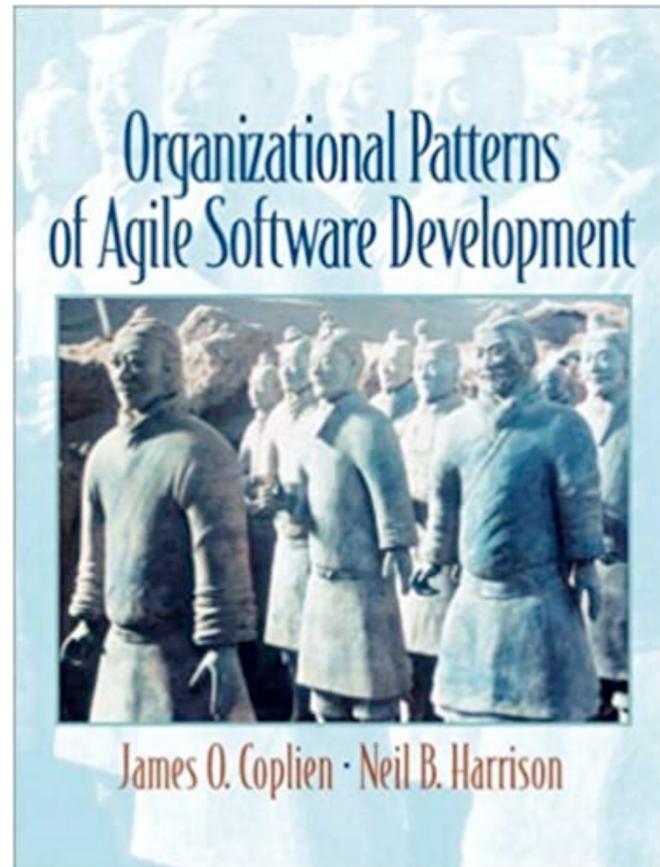
What about speed?

Making It Work



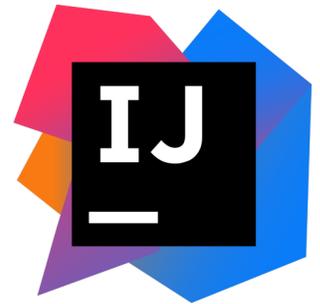
- Clear, meaningful, goals
- Resources and support
- Psychological safety
- Autonomy
- Authority

Making It Work



Delivery Manager and Tech Lead acting as **Firewall** and **Gatekeeper**.

Typical Day



- Virtual standup call
- Join on a virtual mob room (developers)
- Calls with other stakeholders (Delivery Manager & Tech Lead)

Team Issues



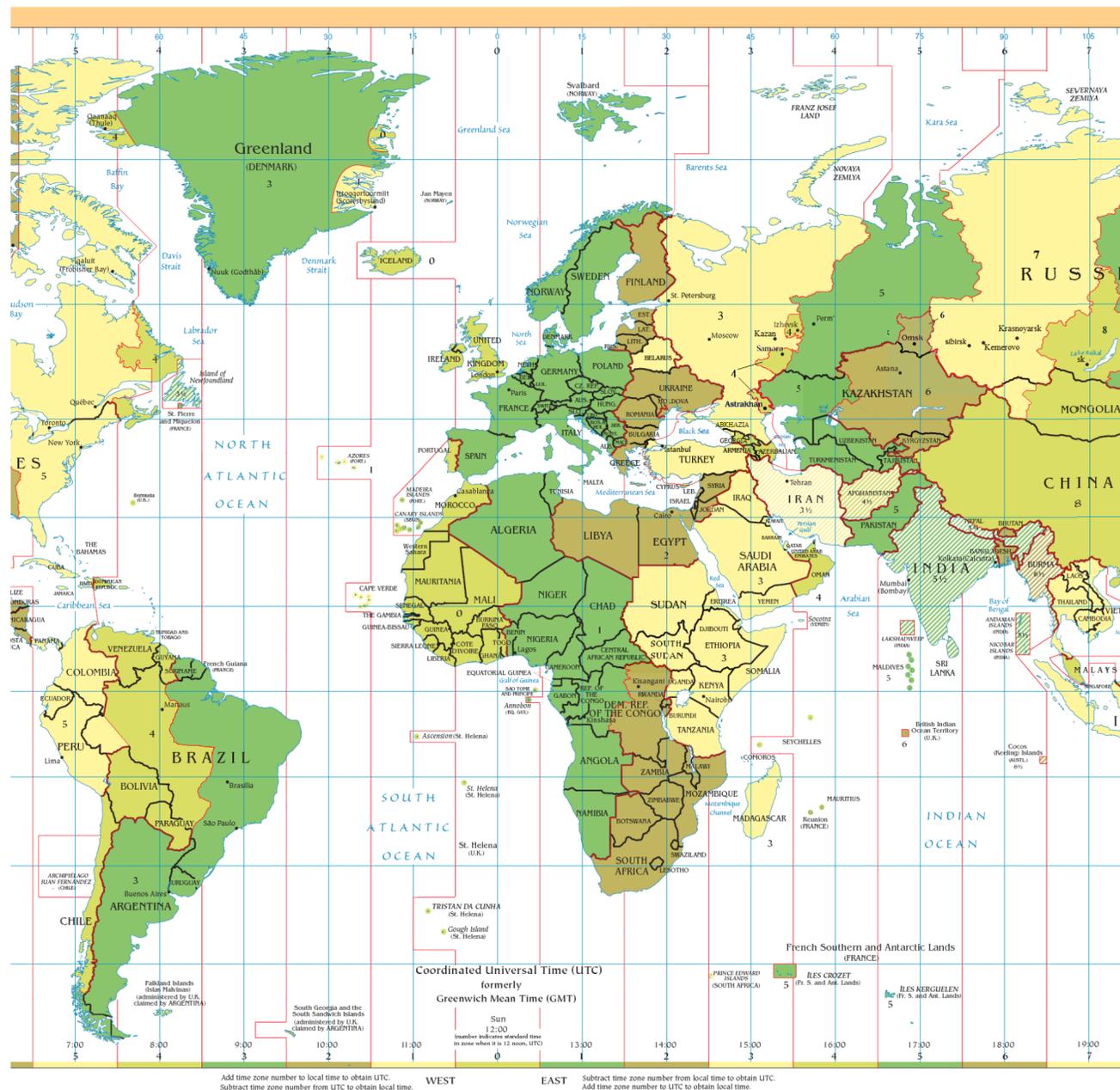
*He, in a fit, struck Lyon thrice
then his head, enrag'd, fir.*

*Who seiz'd the lungs to ease his wrongs,
that Griswold thus engag'd, fir.* in 1

- Surprisingly few
- Initially discussed in private
- Quickly, everybody learnt to talk openly

Different Timezones Can Be A Problem

- Especially when only one member is in one of them



Remote Mobbing Advantages

- You don't need to book a meeting room
- Mobs can be created on demand
- Access to a wider talent pool
- Nobody can see you doing it

Results



https://commons.wikimedia.org/wiki/File:1_singapore_national_day_parade_2011_fireworks.jpg
chensiyuan, CC BY-SA 4.0 <<https://creativecommons.org/licenses/by-sa/4.0/>>, via Wikimedia Commons

- We delivered high quality in production on time
 - We did some overtime
- Happy stakeholders
- Happy team

And we did it again. With
excellent results



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Resources

- <https://www.remotemobprogramming.org/>
- <https://www.agilealliance.org/resources/experience-reports/mob-programming-agile2014/>
- <https://leanpub.com/mobprogramming>
- <https://sammancoaching.org/>
- <https://softwareteaming.com/>