

INNOQ TECHNOLOGY NIGHT / OFFENBACH / 26.03.2024

Remote Mob Programming

Zuhause, aber nicht allein

INNOQ



JOSHUA TÖPFER
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**„Mob Programming
hat mein Leben
stark verändert“**

JOSHUA TÖPFER

Senior Consultant bei INNOQ

Joshua arbeitet seit mehr als 3 Jahren Vollzeit im Remote Mob. Er ist Maintainer von mob.sh und coacht Teams im Remote Mob Programming.



Wer hat schon mal Pair Programming gemacht?



Wer hat schon mal Mob Programming gemacht?



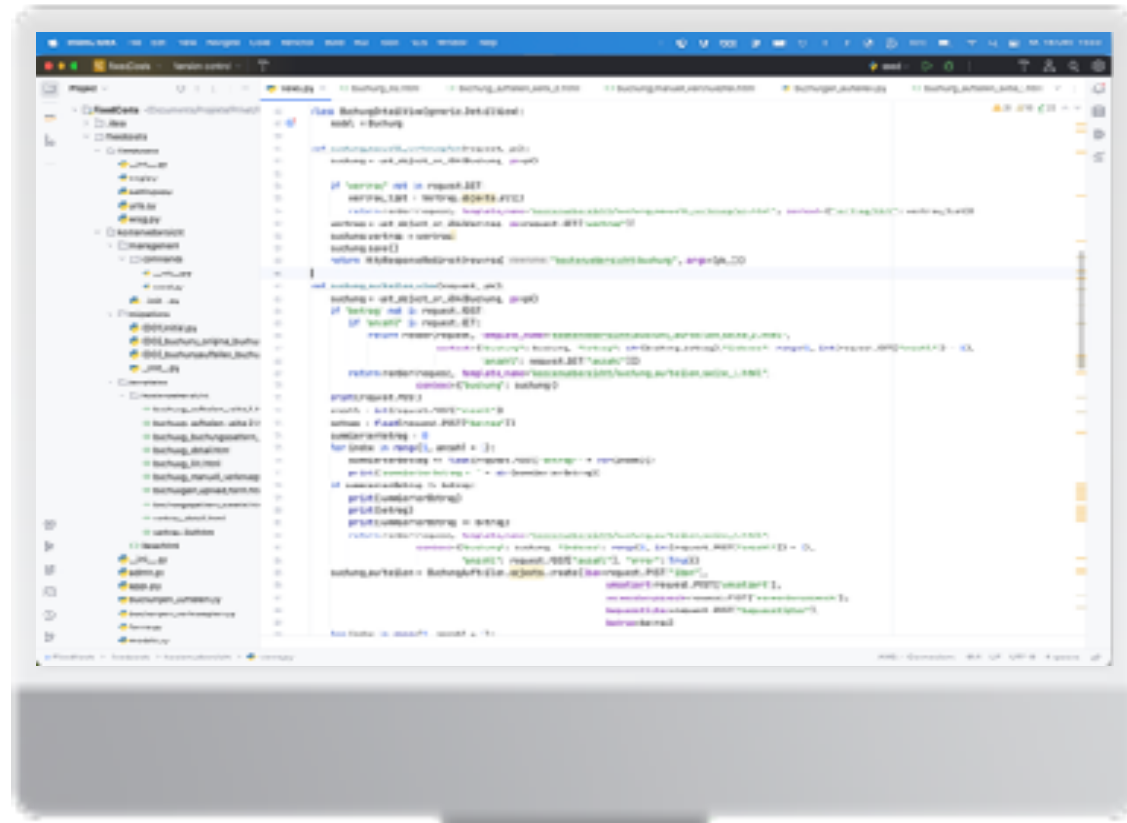
Wer hat schon mal Remote Mob Programming gemacht?



Was ist Mob Programming?

**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



Typist



Typist



Typist



Typist



Typist

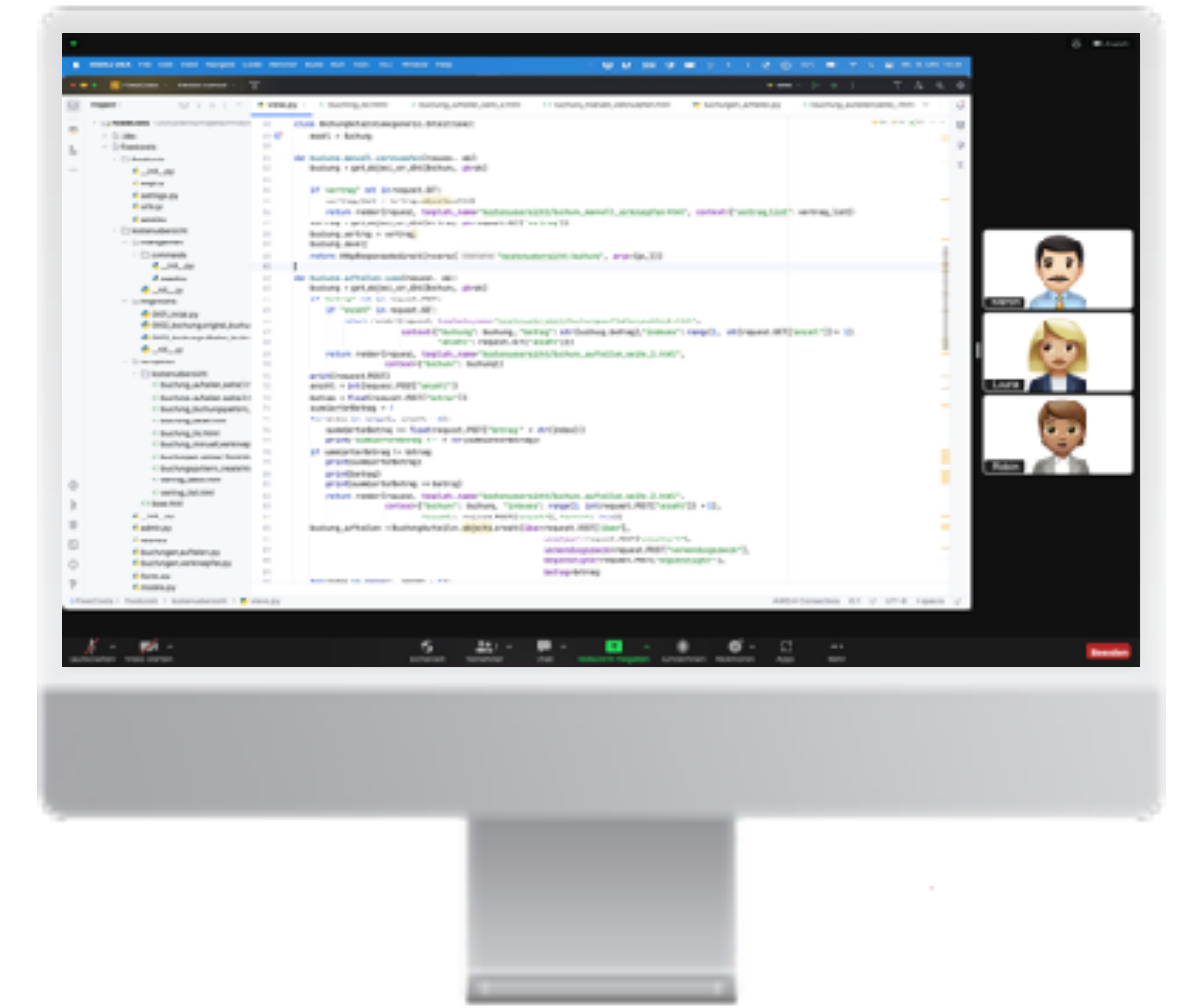
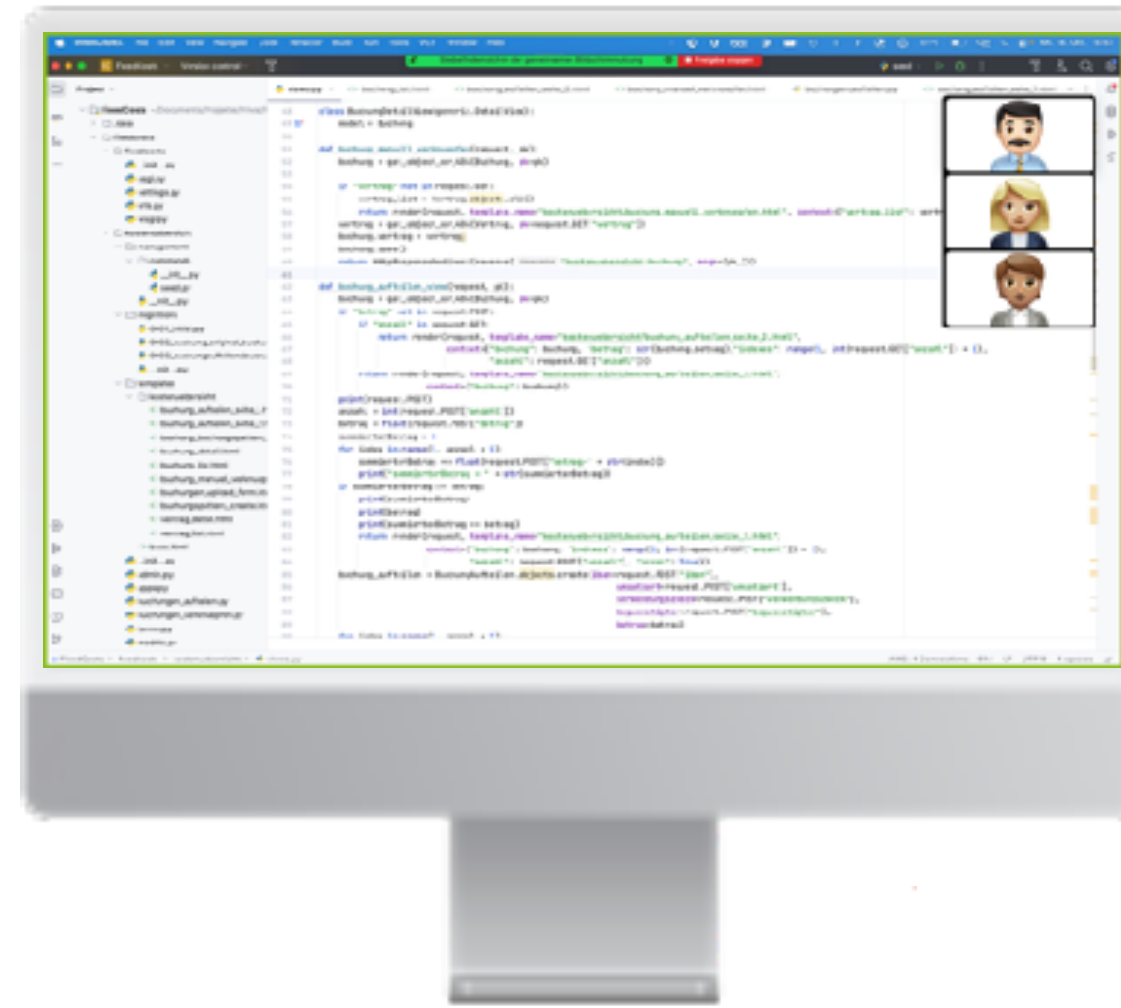
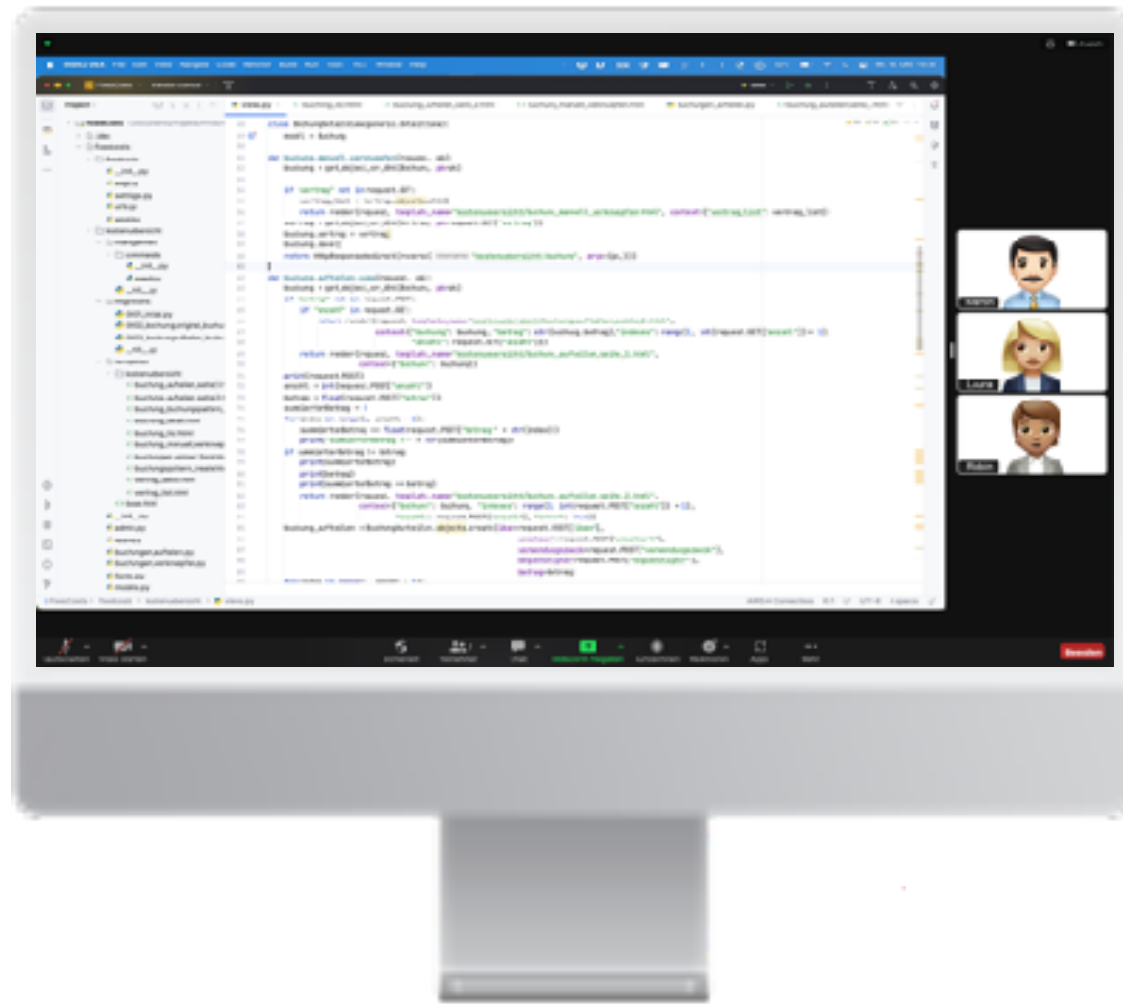


Was ist Remote Mob Programming?

Virtueller Teamraum

- Fester Ort
- Alle sehen und hören sich
- Alle sehen den gemeinsamen Bildschirm
- Tastatur weitergeben
- Whiteboard



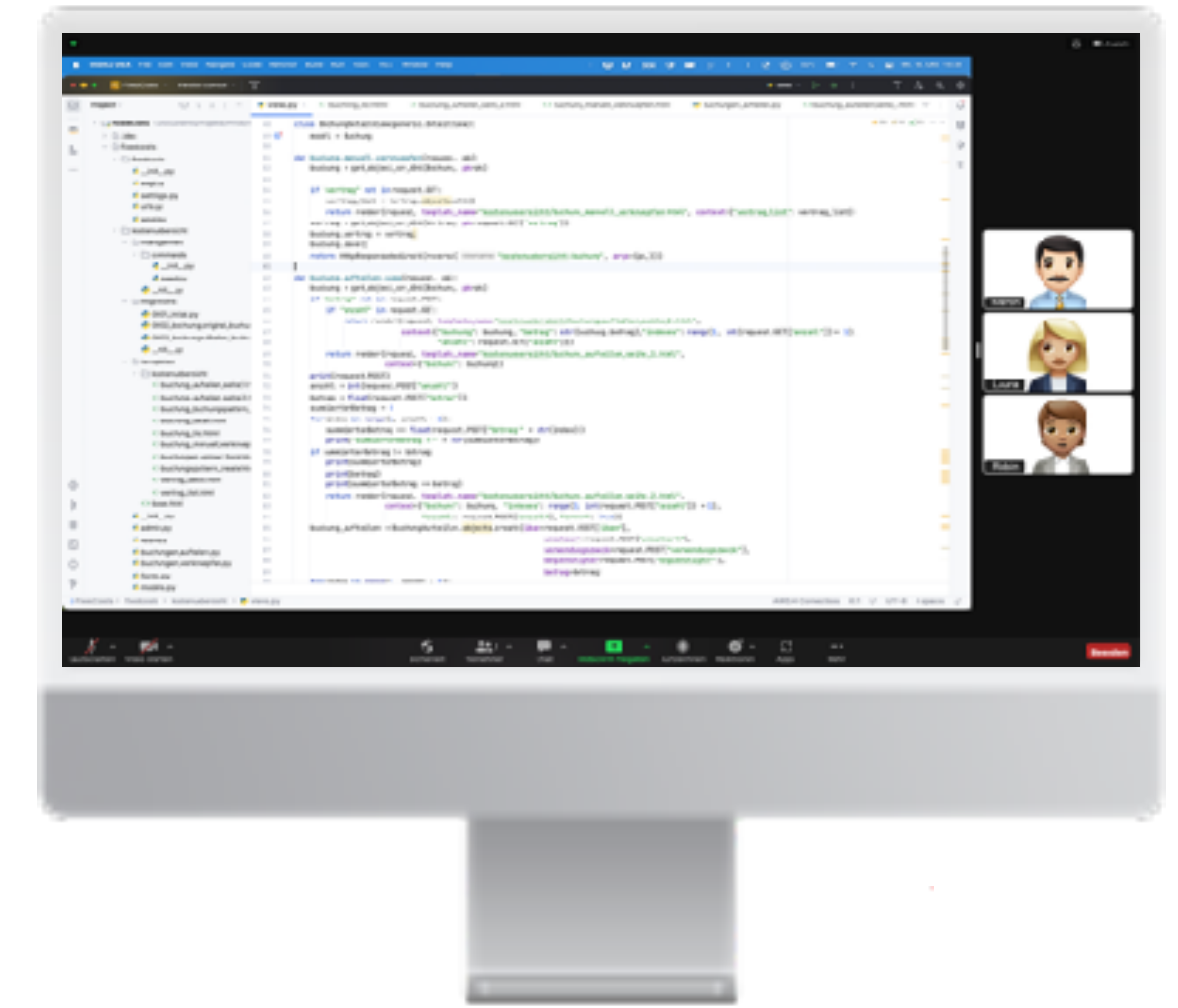
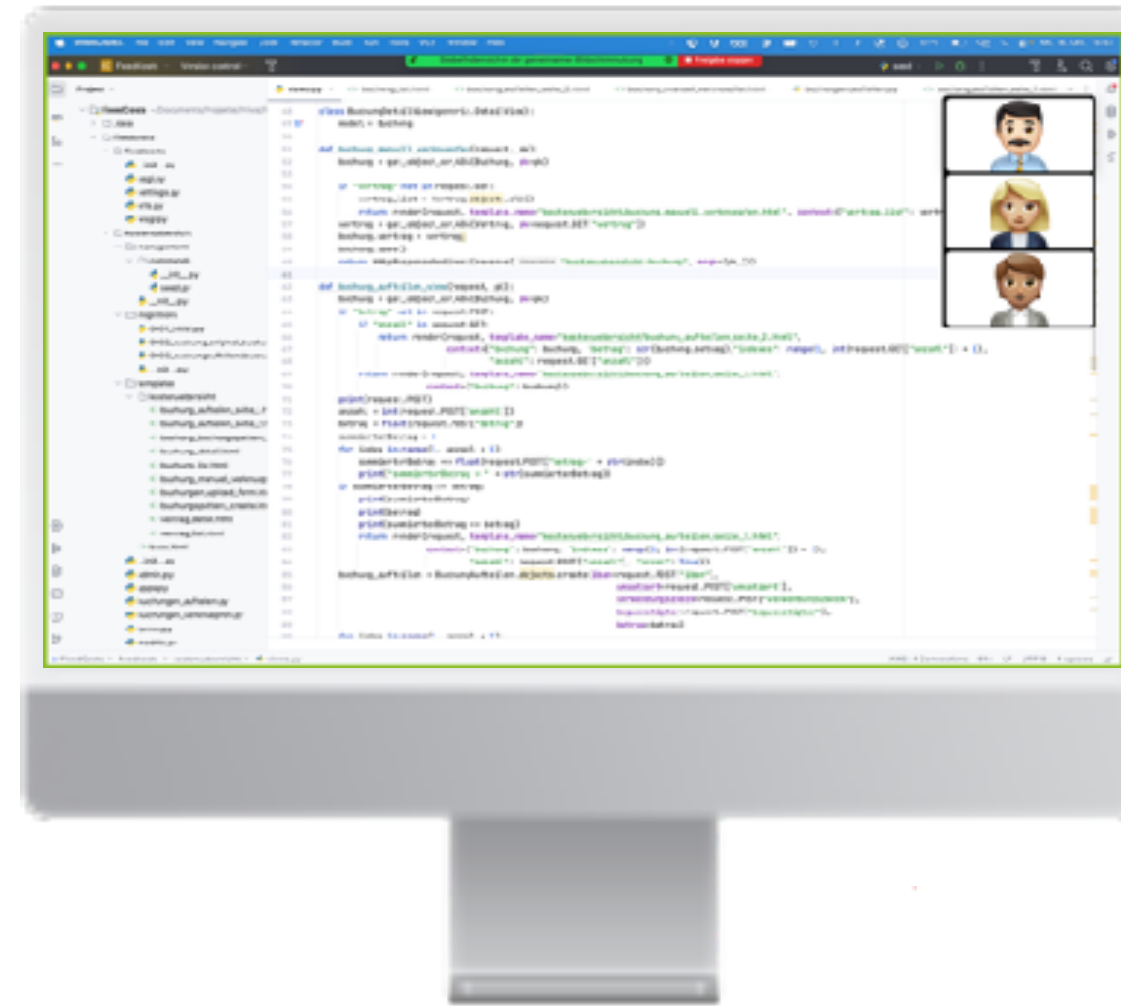
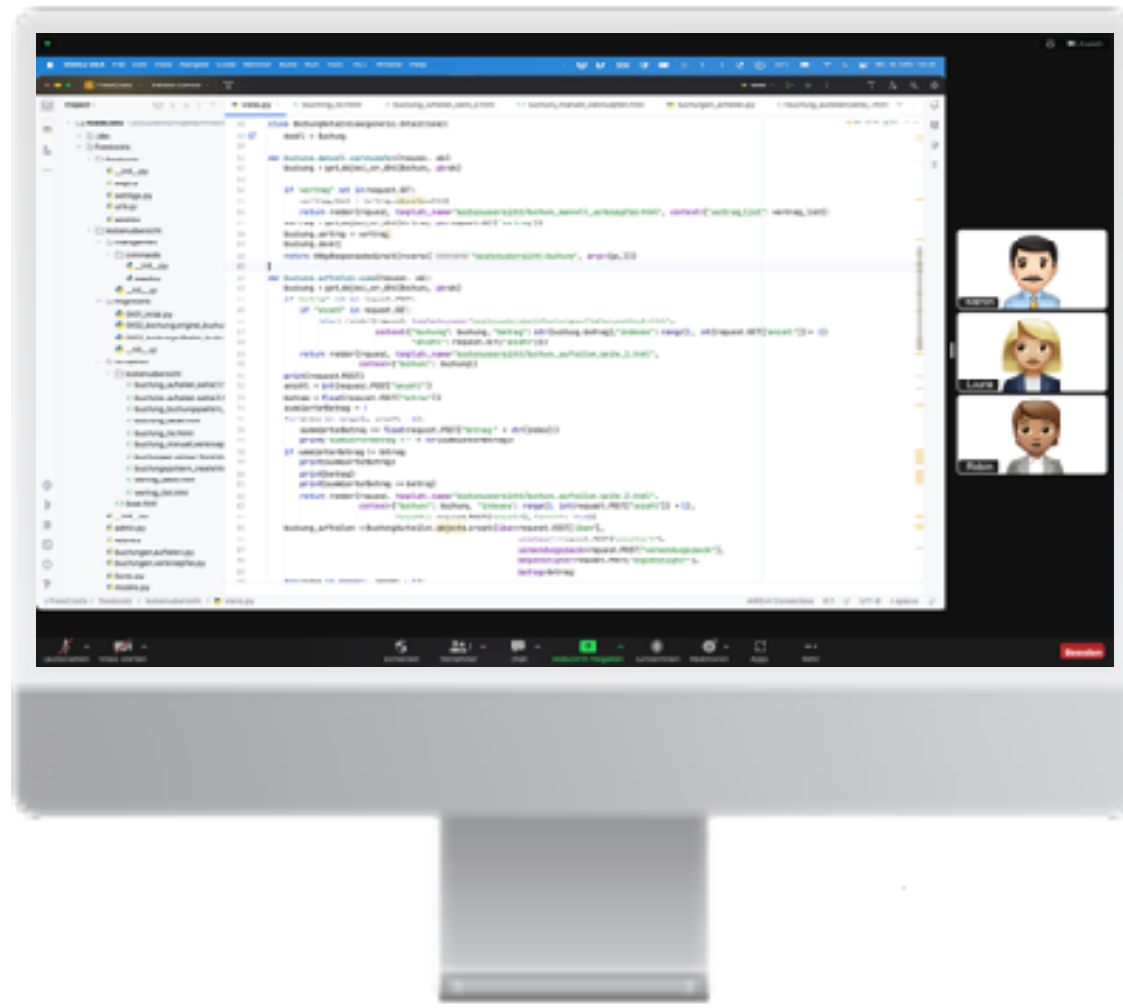


Typist

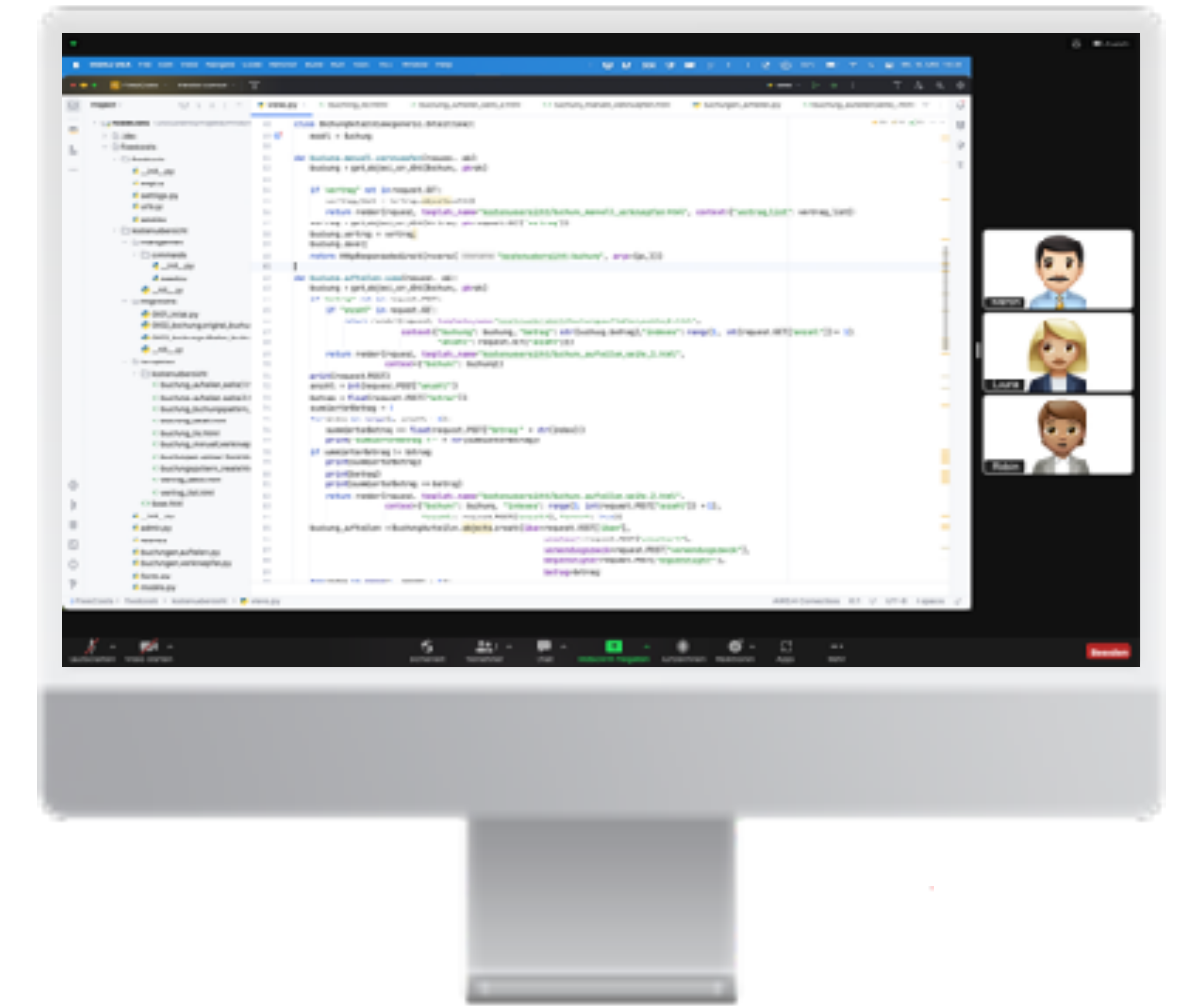
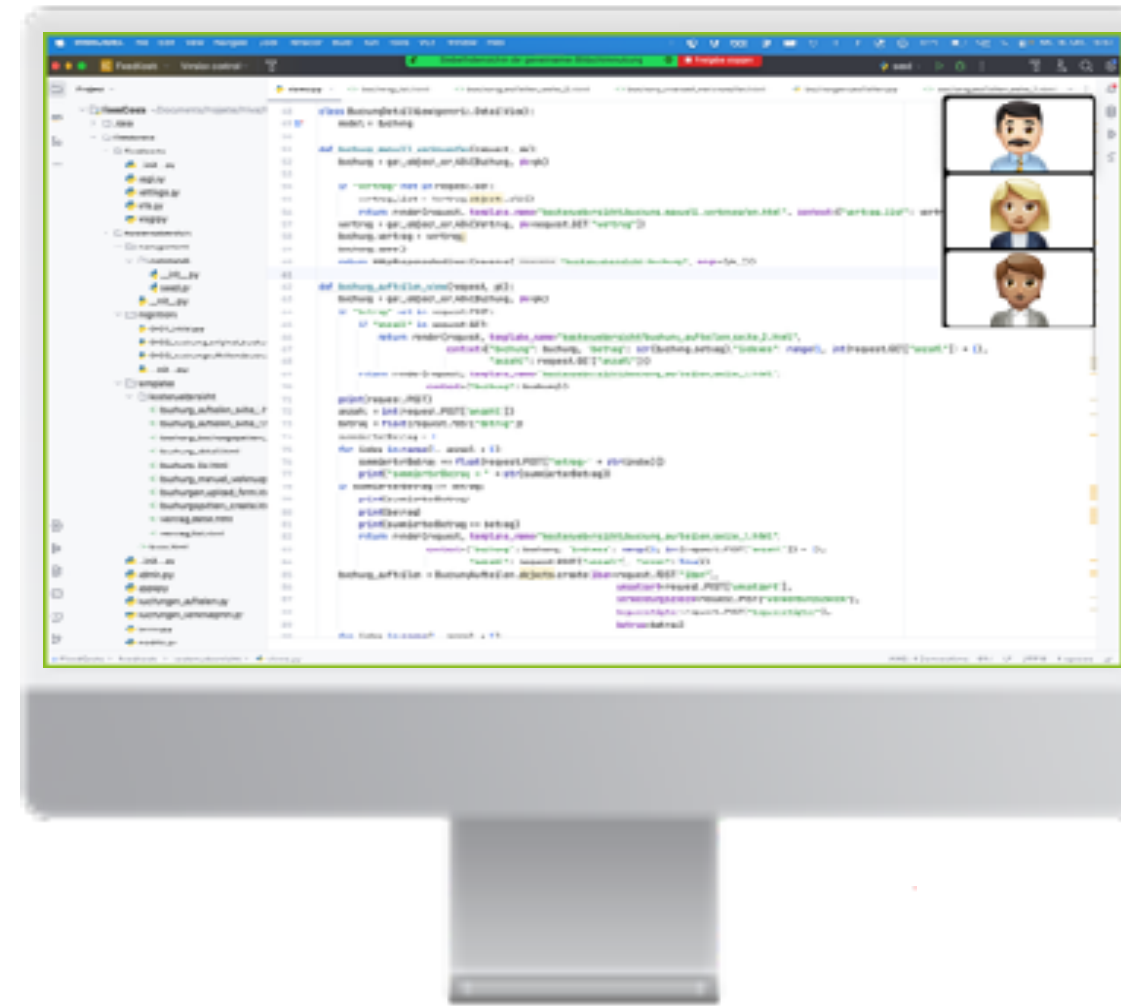
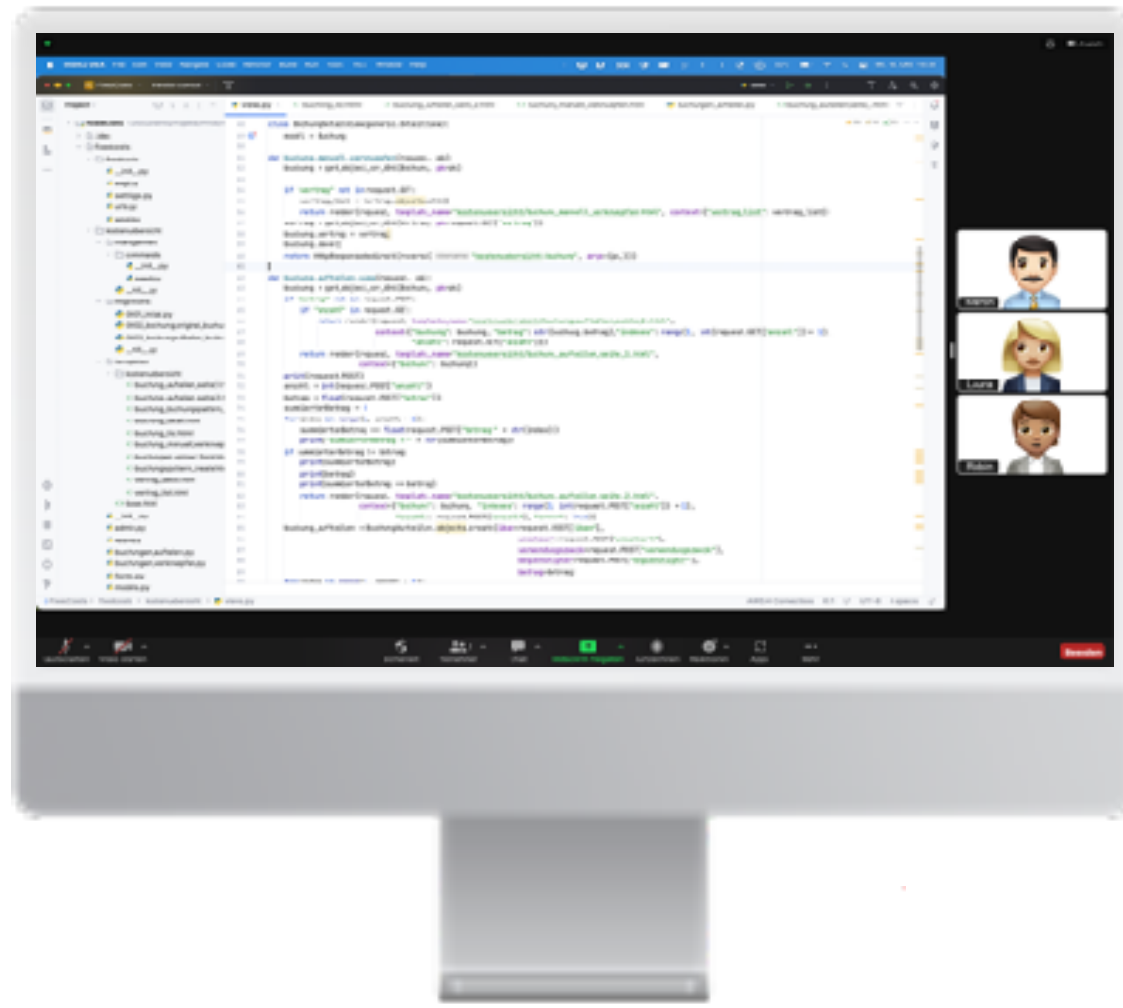


testrepo — joshuatopfer@Laptop-von-Joshua — ..NNOQ/testrepo — -zsh — 76x12

```
→ testrepo git:(main) mob start
git fetch origin --prune
git merge FETCH_HEAD --ff-only
> starting new session from origin/main
git checkout -B mob/main origin/main
git commit --allow-empty -m mob start [ci-skip] [ci skip] [skip ci]
git push --no-verify --set-upstream origin mob/main:mob/main
> you are on wip branch 'mob/main' (base branch 'main')
5b5ca6f 2 seconds ago <Joshua Töpfer>
> PUT https://timer.mob.sh/test-room {"timer":1,"user":"Joshua Töpfer"}
> It's now 17:42. 1 min timer ends at approx. 17:43. Happy collaborating! :)
→ testrepo git:(mob/main) █
```

Typist



Typist

testrepo — joshuatopfer@Laptop-von-Joshua — ..NNOQ/testrepo — -zsh — 51x11

→ testrepo git:(mob/main) ✖ mob next

```
git add --all
```

```
git commit --message mob next [ci-skip] [ci skip]
[skip ci]
```

```
lastFile:text.txt --no-verify
```

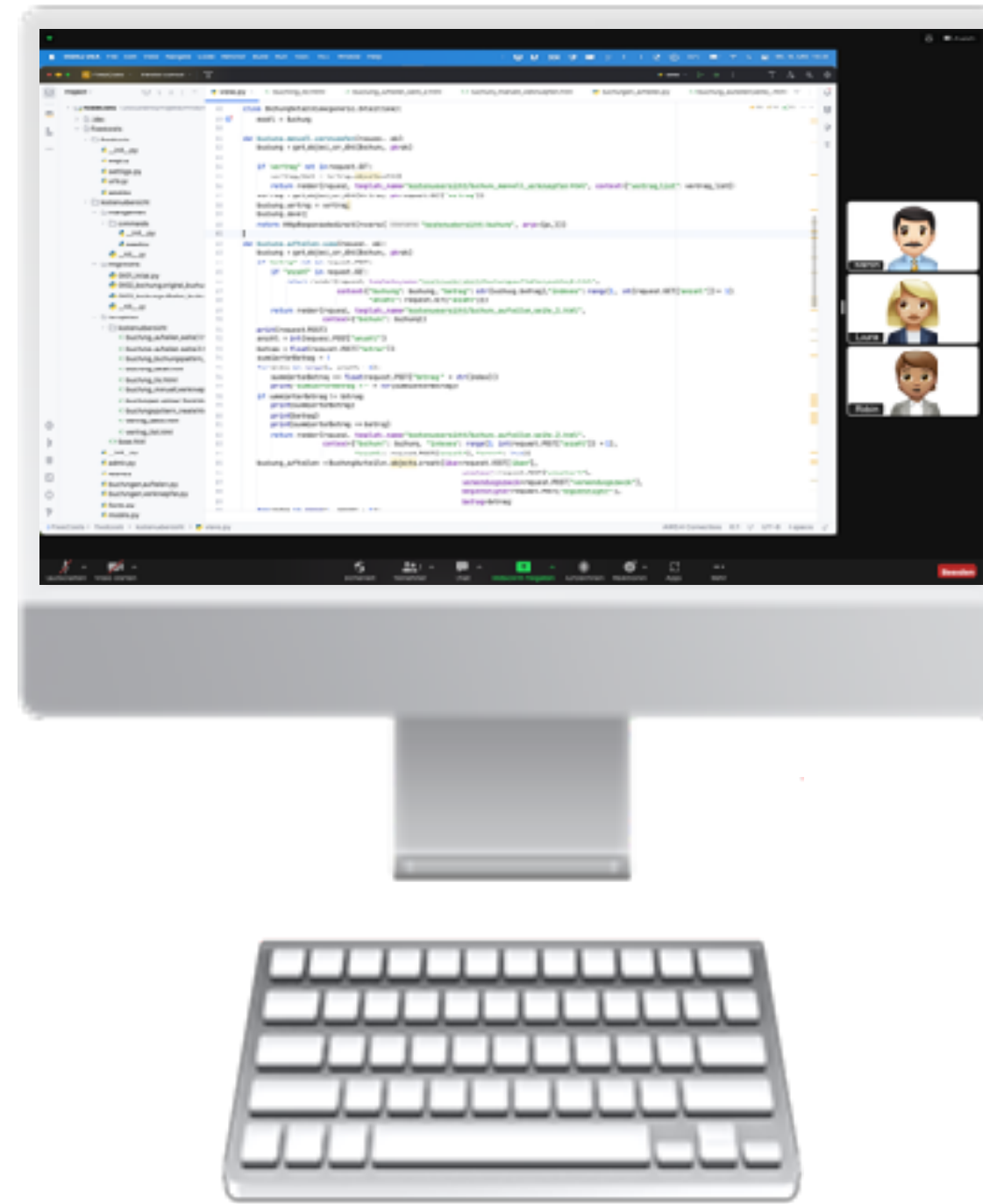
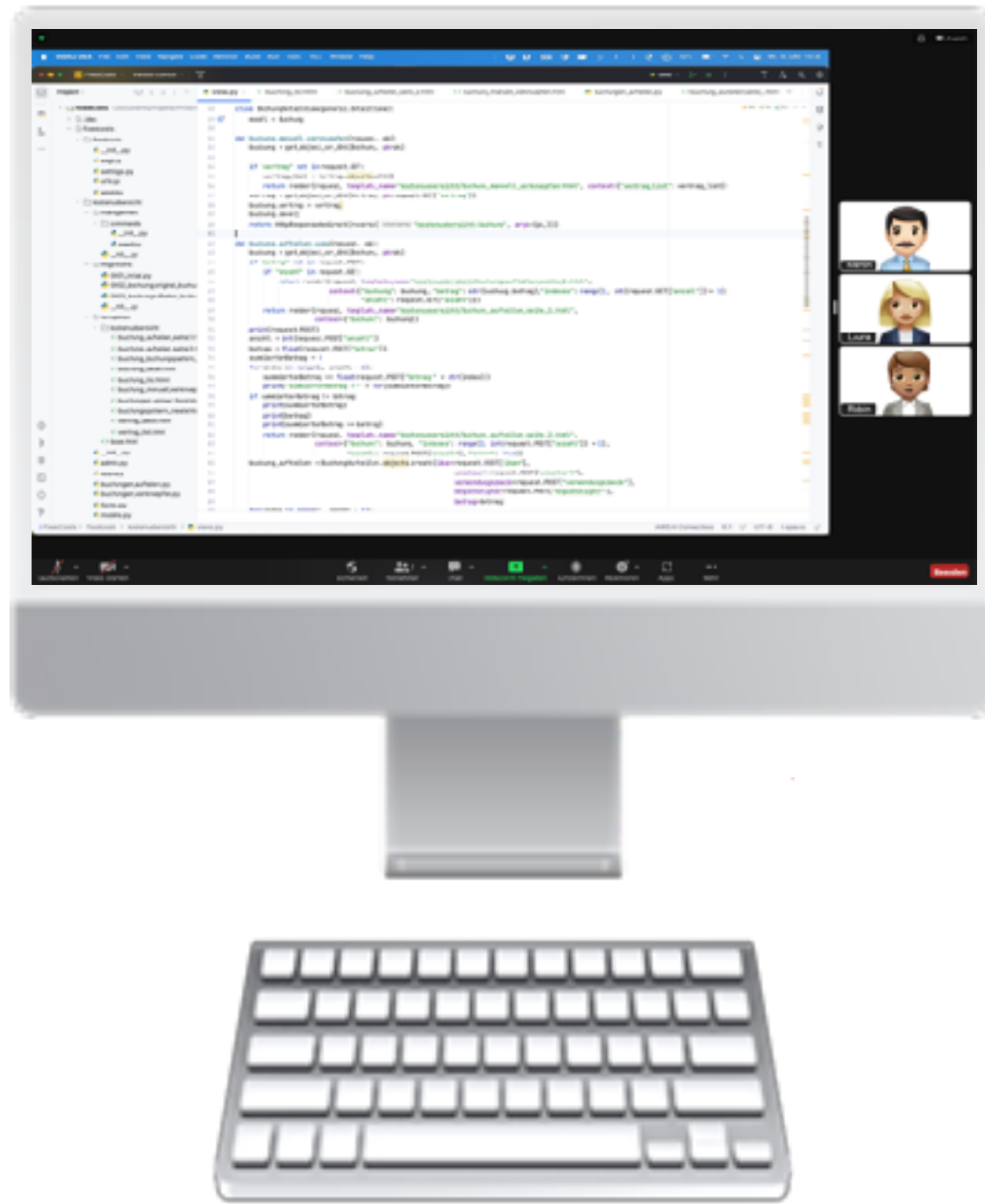
```
text.txt | 0
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
```

```
1465761cbc5963998e18a2ac61412ddc6f309eff
```

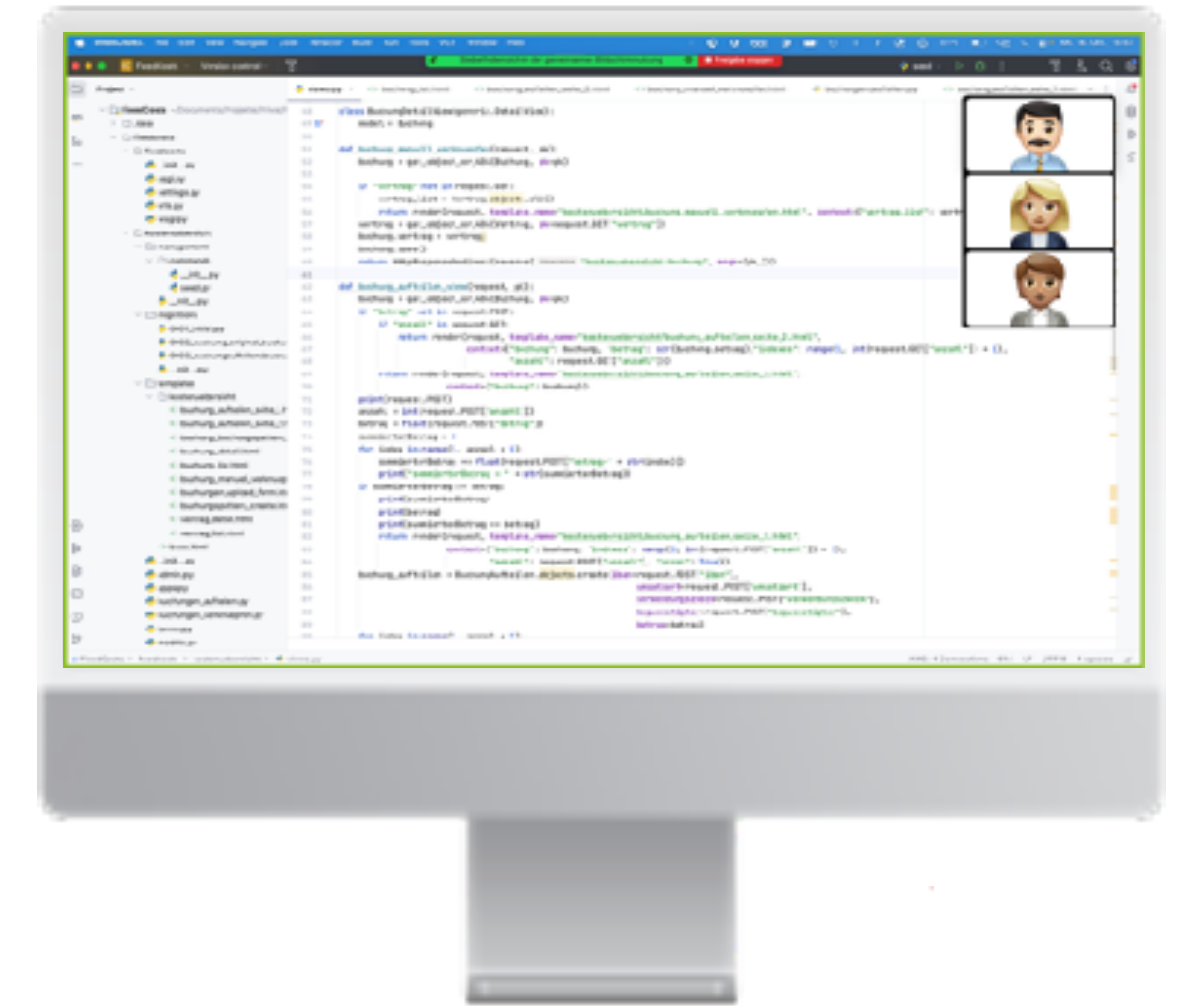
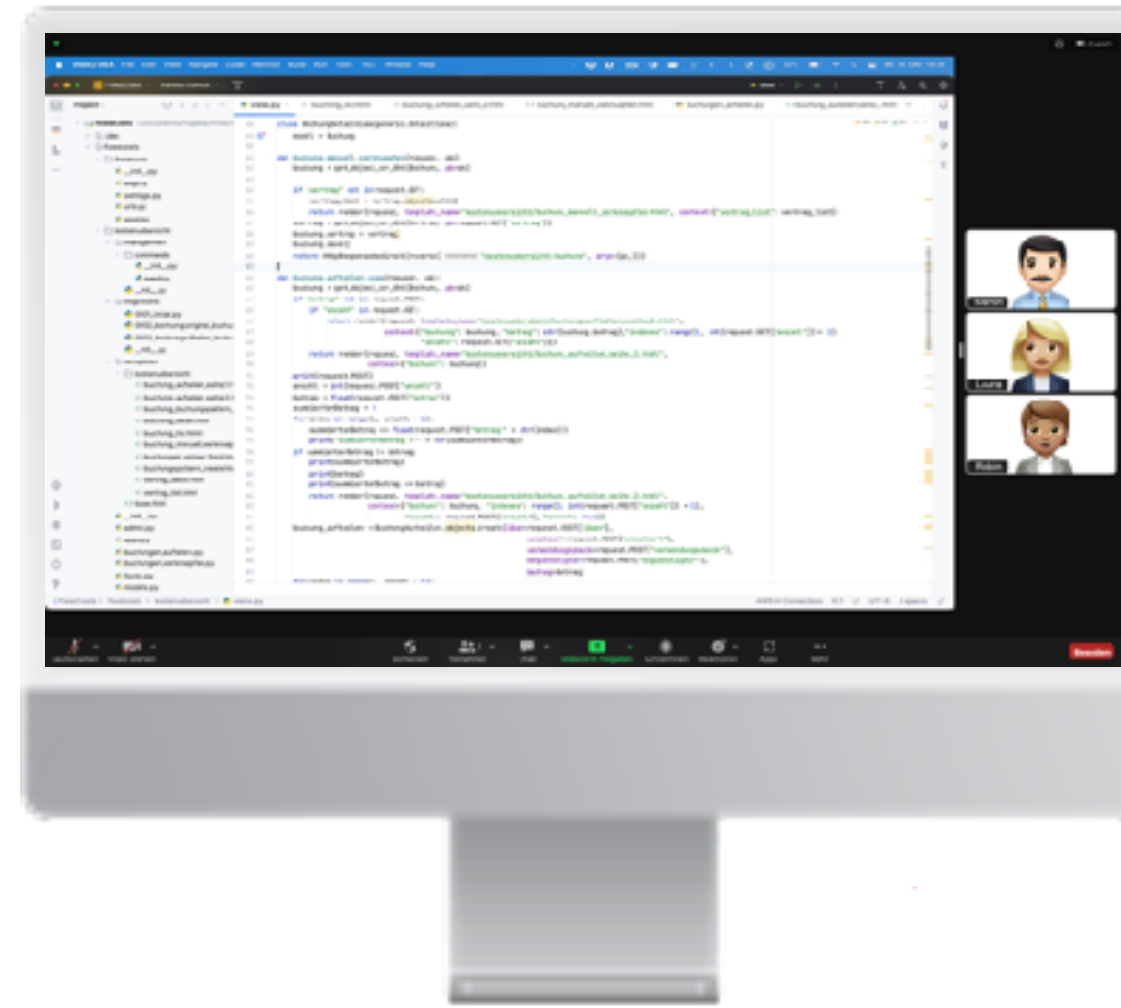
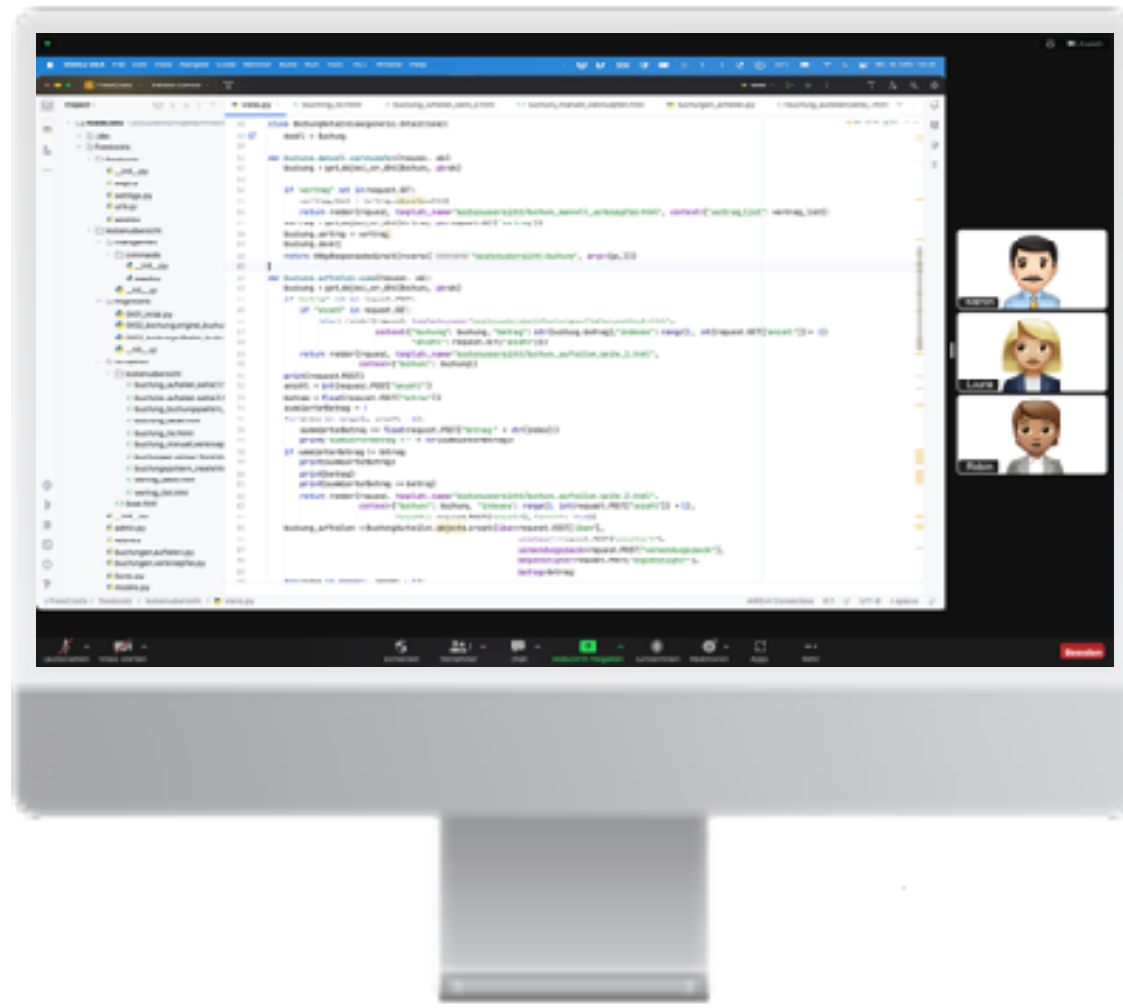
```
git push --no-verify origin mob/main
```

→ testrepo git:(mob/main) █



Typist


```
testrepo — joshuatopfer@Laptop-von-Joshua — ..NNOQ/testrepo — -zsh — 76x11
→ testrepo git:(mob/main) mob start
  git fetch origin --prune
> joining existing session from origin/mob/main
  git checkout -B mob/main origin/mob/main
  git branch --set-upstream-to=origin/mob/main mob/main
> you are on wip branch 'mob/main' (base branch 'main')
5b5ca6f 8 minutes ago <Joshua Töpfer>
31d2d5e 21 seconds ago <Joshua Töpfer>
> PUT https://timer.mob.sh/test-room {"timer":1,"user":"Joshua Töpfer"}
> It's now 17:50. 1 min timer ends at approx. 17:51. Happy collaborating! :)
→ testrepo git:(mob/main) █
```

Typist





→ testrepo git:(mob/main) mob done

```
git fetch origin --prune
```

```
git push --no-verify origin mob/main
```

```
git checkout main
```

```
git merge origin/main --ff-only
```

```
git merge --squash --ff mob/main
```

```
git branch -D mob/main
```

```
git push --no-verify origin --delete mob/main
```

```
  tesfile1.txt | 1 +
```

```
  testfile2.txt | 0
```

```
  2 files changed, 1 insertion(+)
```

👉 To finish, use

```
git commit
```

→ testrepo git:(main) ✕ █

Warum?

Time-to-Market
anstatt Ressourcen-Effizienz

Konstanter Fortschritt

- Fokus auf das wichtigste Ticket
- Kontextwechsel & Wartezeiten vermeiden
- Keine Code Reviews



Termine

- Team tritt geschlossen auf
- Unnötige Termine beseitigen
- Botschafter Prinzip
- Regeltermine wie Daily Scrum sind überflüssig



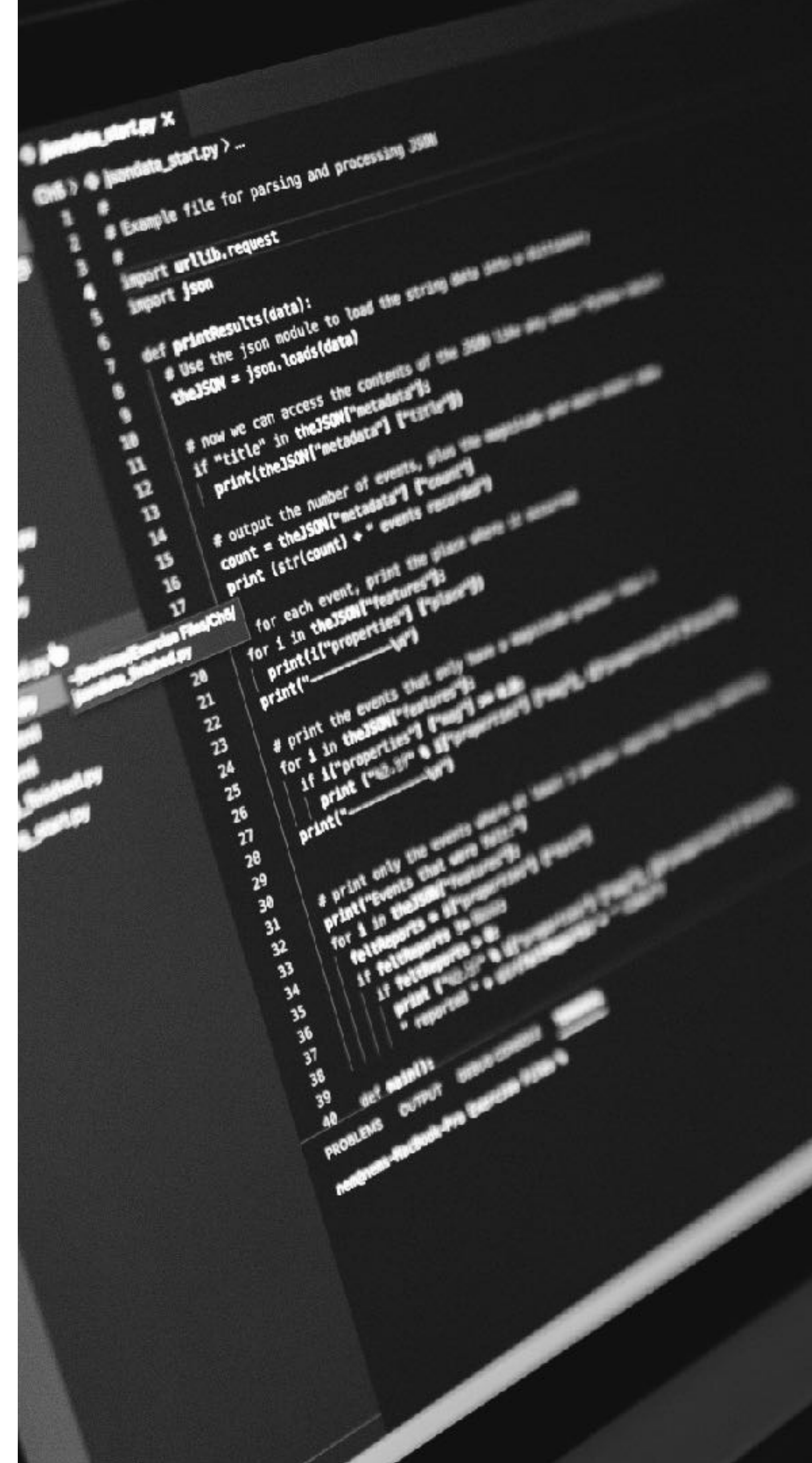
Architekturarbeit

- Entscheidungen explizit machen
- Team übernimmt die Rolle des Architekten wenn erforderlich
- Architecture Decision Records zusammen erarbeiten und diskutieren
- Konsent statt Konsens



Codequalität

- Viele Augen sehen viel
- Weniger Bugs
- Verzicht auf asynchrone Code Reviews
- Gemeinsames Refactoring



Lernen von den Anderen

- Kontinuierliches Lernen
- Busfaktor reduzieren
- Onboarding ohne Aufwand



Zuhause aber nicht allein

- Mittagessen mit der Familie
- Kontakt zu Kollegen
- Nicht ins Büro fahren müssen



Die Silver Bullet?

Verschiedene Zeitzonen

- Bei kleiner Verschiebung:
 - Gemeinsame Zeiten schwieriger zu finden
 - Möglichkeit der Kernzeit im Mob
 - Abstimmungen werden wieder benötigt
- Bei großen Verschiebungen:
 - Nur kurze Mob Sessions
 - 24/5 Mob um die Welt



Konflikte im Team

- Konflikte kommen schnell an die Oberfläche
- Einführung unbedingt durch Coach begleiten
- Zu Beginn viele kleine Retrospektiven



Abhängigkeiten

- Wartezeiten
- Kontextwechsel
- Sollten aufgebrochen werden
- Im besten Fall hat das Team End-to-End Verantwortung



Silos aufbrechen

- Wissen wird im Team verteilt
- Sehr tiefes Wissen wird nur schwierig verteilt
- Busfaktor wird reduziert, aber nicht komplett mitigiert



Passt nicht für jeden

- Social Fatigue
- Social Anxiety
- Over Stimulation
- Etc.



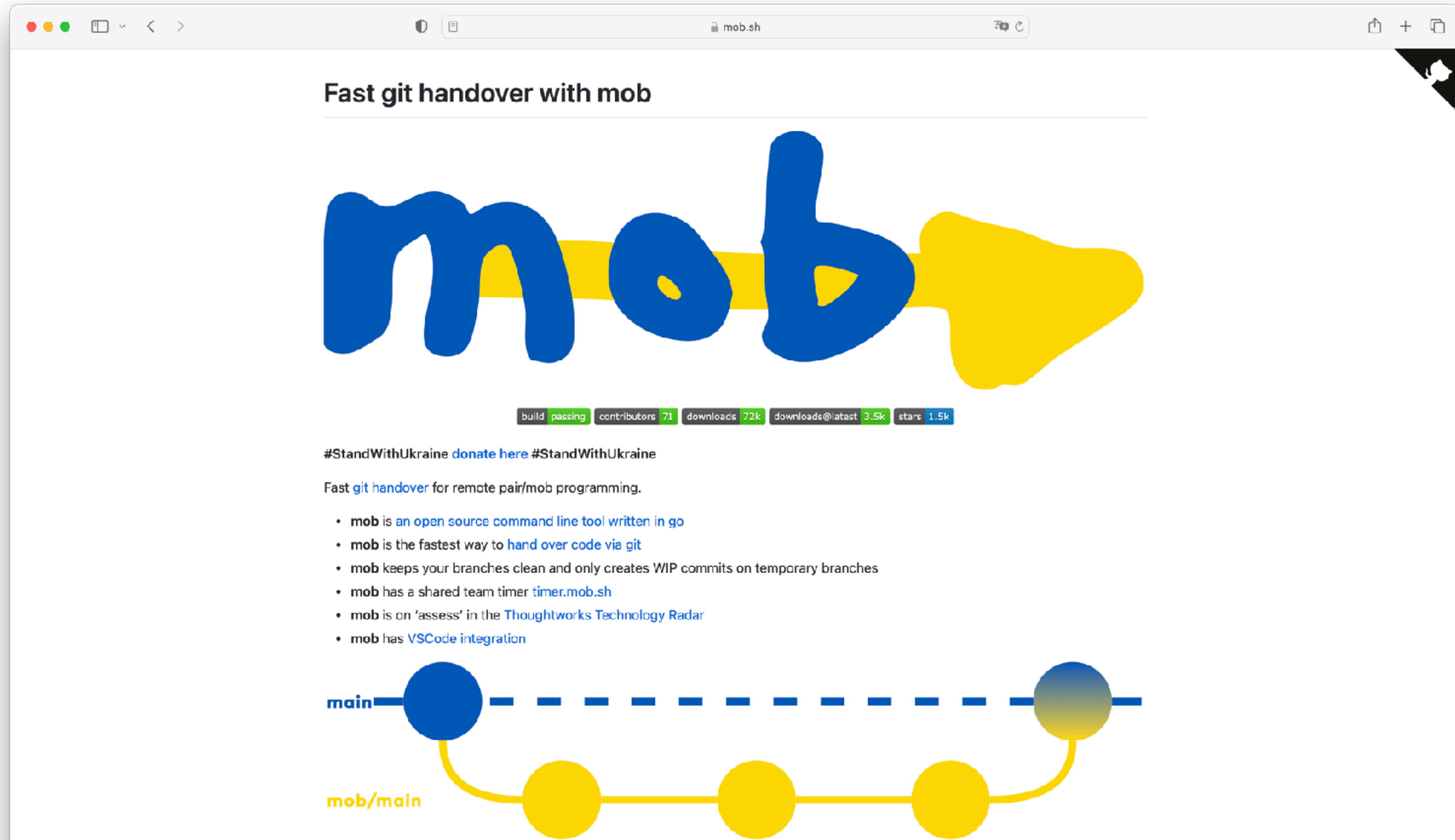
Wie anfangen?

Ein Experiment

- Ein Sprint einfach mal Vollzeit ausprobieren
- Viele Retrospektiven
- Mit Coach begleiten (Ich unterstütze gerne 😊)
- 1 Tages Workshop für das Team von Socreatory oder einzeln ausprobieren bei mobusoperandi.com



mob.sh



Fast git handover with mob


mob

build passing contributors 71 downloads 72k downloads@latest 3.5k stars 1.5k

#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](#)



The diagram illustrates the workflow between two Git branches. The top branch is labeled 'main' and is represented by a blue circle. A dashed blue line connects this circle to another blue circle on the right, indicating a pull request or merge. Below the 'main' branch is the 'mob/main' branch, represented by a yellow circle. A solid yellow line connects the 'mob/main' circle to the right blue circle, showing the flow of code from the temporary branch back to the main branch. In the middle of the 'mob/main' branch, there are three yellow circles connected by a horizontal line, representing a sequence of commits made during a mob session.

Unser Primer



www.innoq.com/primer

Kostenlos herunterladen

Jochen Christ
Simon Harrer
Martin Huber

Remote Mob Programming

At home, but not alone

INNOQ

Foreword by Mark Pearl

remotemobprogramming.org

The screenshot shows the website's main page with the title "Remote Mob Programming" and a link to a new article: "New: [How to act as a typist and a rotation timer](#)". A hand-drawn diagram is overlaid on the page, centered on a laptop displaying a code editor and a video conference. The diagram includes several annotations: "Camera Always On" with a camera icon; "Screen Sharing" with a monitor icon; "Git Handover" with a hand holding a "GIT" card; "10 Minutes Intervals" with a stopwatch icon; "Small Team" with a group of three people icon; "Dine with your Family" with a fork and knife icon; and "Typist and the Rest of the Mob" with a keyboard icon. Arrows connect these annotations to the corresponding elements on the laptop screen.

Remote Mob Programming combines two ways of working: Mob Programming and working as a distributed team. Woody Zuill describes [Mob Programming](#) as creating the "same thing, at the same time, in the same space, and on the same computer". Working in the same space clashes with working as a distributed team at first glance, but actually, it goes together really well. With Remote Mob Programming, we collaborate closely in the same virtual space. But Remote Mob Programming is more than that.

Mein Fazit

- Mehr Fokus
- Kontinuierliches Lernen
- High performing Team
- Teamkollegen sind Freunde
- Mehr Zeit für die Familie



Danke! Fragen?



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