report comes in

inference

housing fraud probability is calculated

fine is sent with inference link

personal dashboard for case inference is viewed

potential for appeal

all model outputs are aggregated in a public dashboard for monitoring policy execution!

⋯▷ transparency for "subjects"

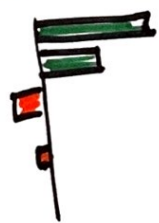⋯▷ improvement of policy

Overall statistics
- total days
- days fraud

fraud cases ↑   time →

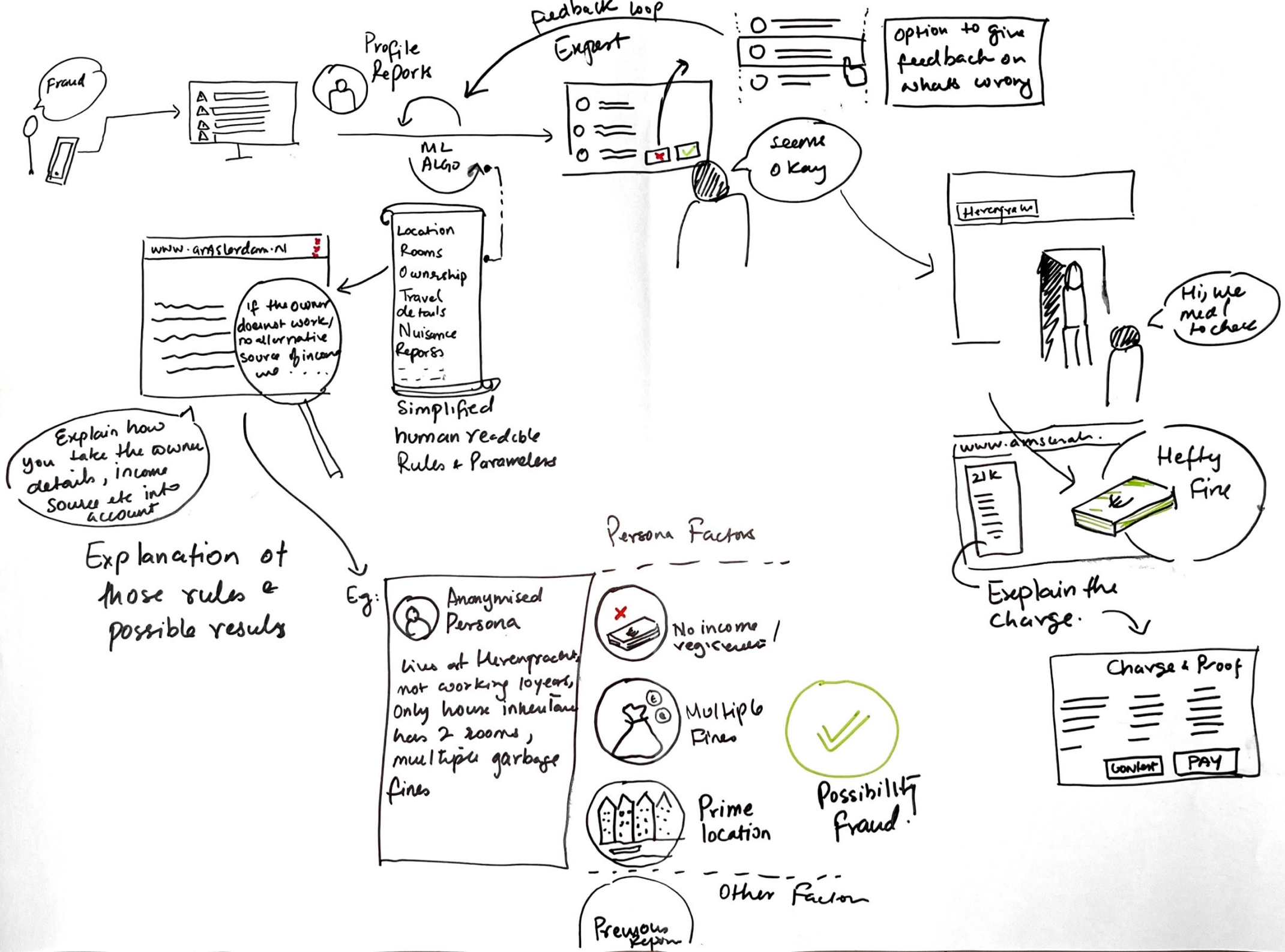Contributors & explainability

area
reg_avail.
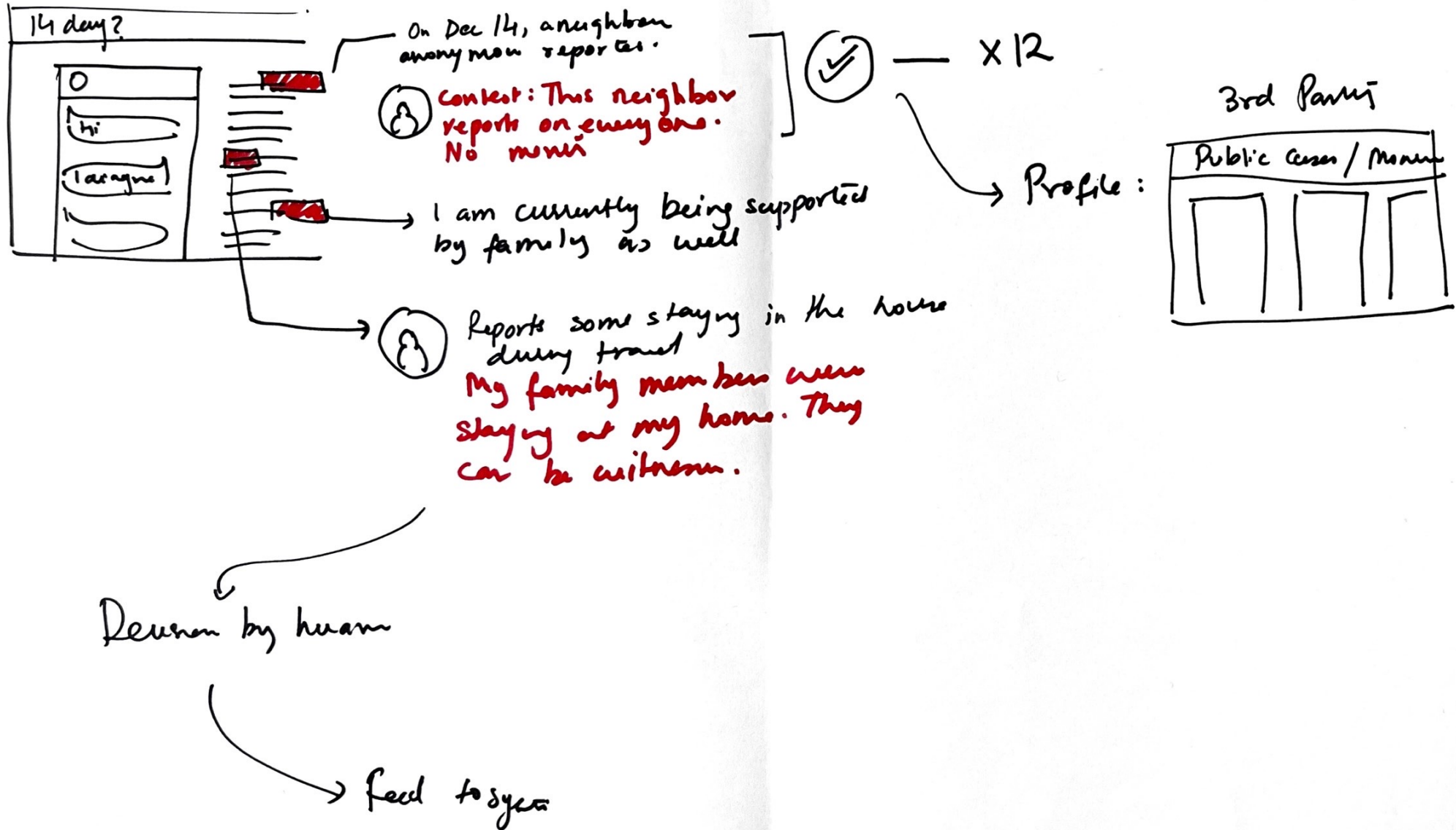prev. rented
days
owner_age

- in centre, more fraud
- when the owner has logged all days, less fraud
- older owners have a bigger chance of breaking the law ⚠
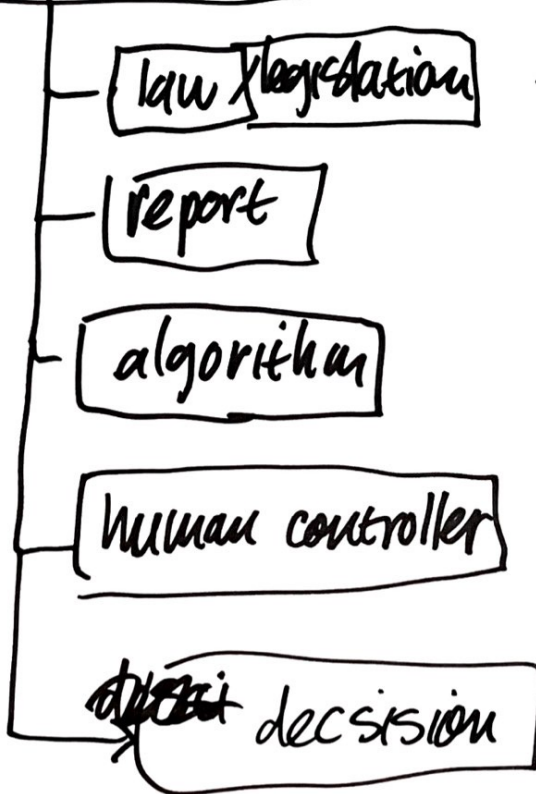
Bias

drift over time

CONTESTING PROCESS (Policy & System)

14 day?

On Dec 14, a neighbor anonymous reported.

Context: This neighbor reports on everyone. No more.

✓ — X12

→ Profile:

3rd Party

Public Census / Money

I am currently being supported by family as well

Reports some staying in the house during travel

My family members were staying at my home. They can be witnesses.

Decision by human

→ Feed to system

Make vacation rental system more contestable

Contest everything
- law / legislation → systems of contesting are in place (?)
  ↓
  But we want to be tough : why?
- report
- algorithm
- human controller
- ~~direct~~ decision

contest everything: report

notification: someone filed
a report against you

"make it right"
↓
try to solve issues
in the report

accused

accuser
accept → cancel report
decline → continue

continue

Disagree
↓
explain why
report is wrong

Agree Agree Disagree

Agree
controller

Disagree
controller
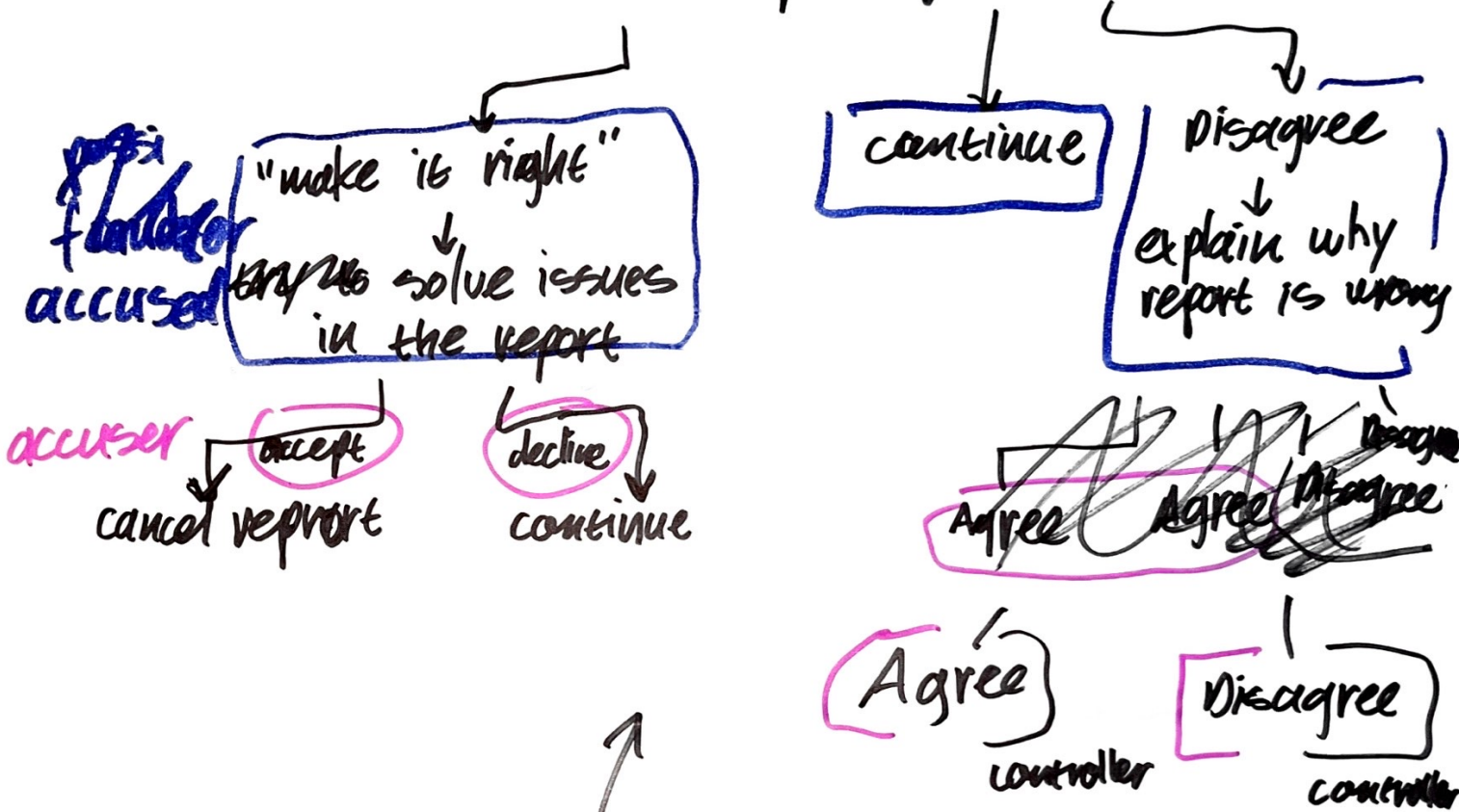
But... more manpower...
↓
Not if we let
accused + accuser
handle things
↓
+empathy ♡

contest everything:
algorithm

-use kars' ideas ☺ ——→ Feedback to algorithm
                        from -decision subject

notification :
  - filed report +
  algorithm analysis
        └ point out
          errors in data
        └
                              - Human controller