

# Effective Code Reviews

 Open

Alexandros Ntousias wants to merge this into master

**YAHOO!**

iOV<sup>42</sup>

**zühlke**  
empowering ideas



Morgan Stanley

**young**

JPMORGAN  
CHASE & Co.



**THOMSON  
REUTERS**

*Nobody likes code reviews*

# Code authors

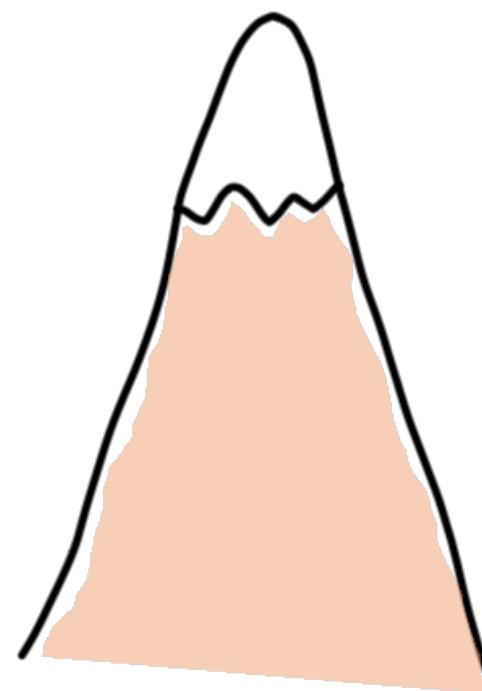


# Code reviewers

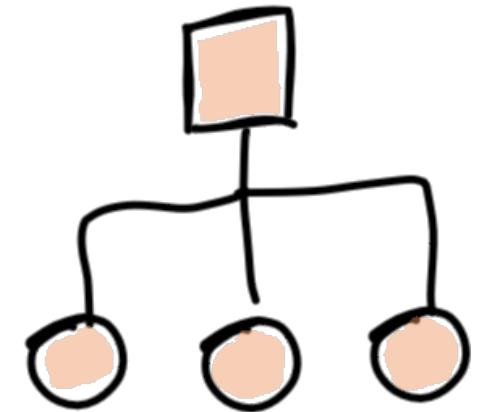


*Code authors...*

# Keep it short & sweet



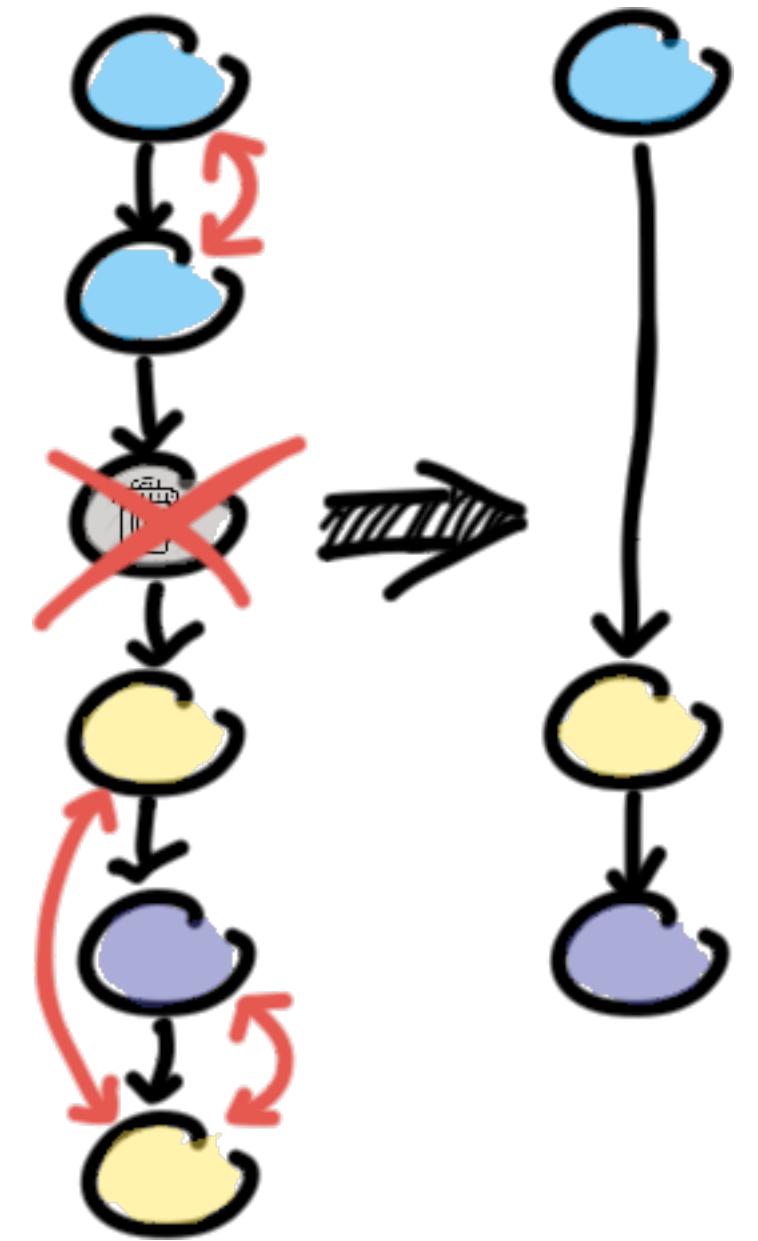
vs



Small  
Changes



focused  
reviews



Clean Commit  
history

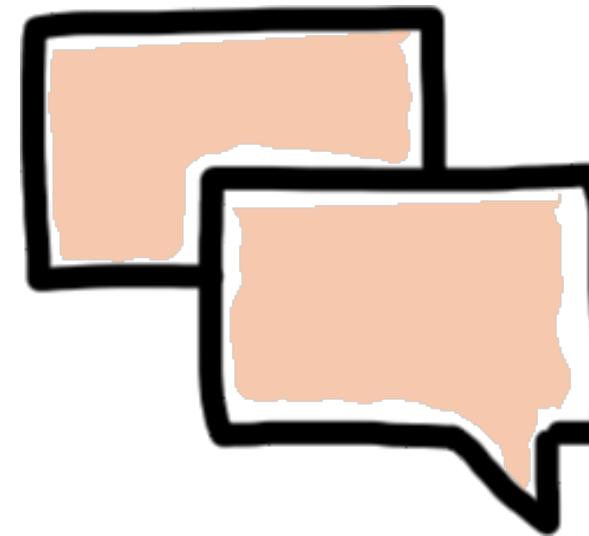
## Give context

Descriptive Title

---

Detailed description...

---



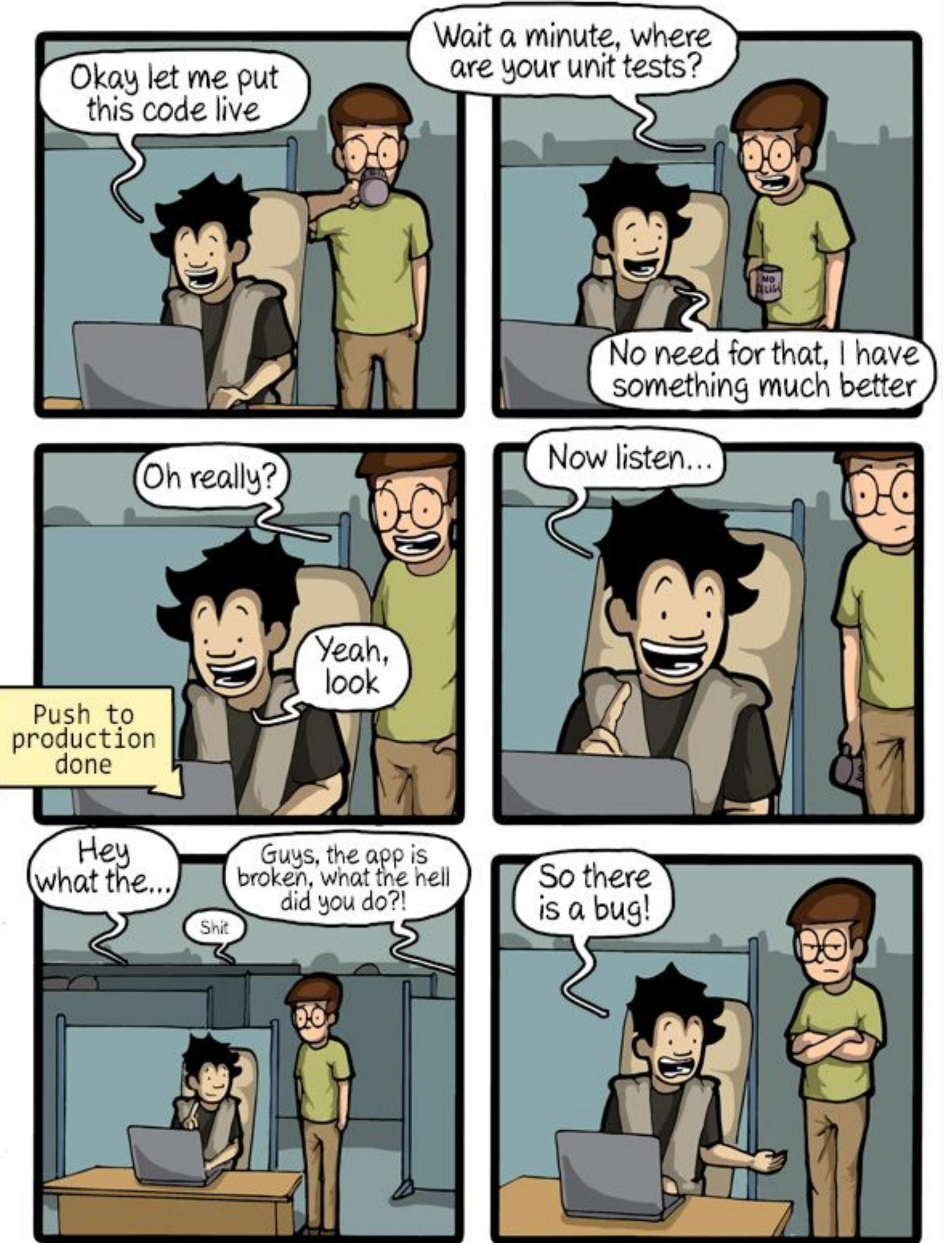
annotate  
your code

Choose your audience.



*Code reviewers...*

Tests as important  
as production code.



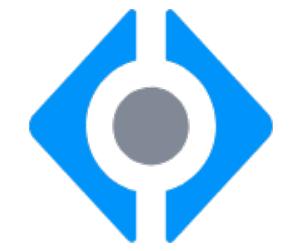
# Tooling is important

```
▼ 10 api/src/main/scala/com/iov42/api/models/Authorised.scala
108   108     for {
109   109       request <- SecureRouteT.fromEither(decode[A](payloadString))
110   -     authorisations <- SecureRouteT.liftF(msg.headers.authorisationSeals)
111   -     authentication <- SecureRouteT.liftF(msg.headers.authenticationSeal)
110  +     authorisations <- SecureRouteT.liftF(msg.headers.authorisationSeals(request.requestId))
111  +     authentication <- SecureRouteT.liftF(msg.headers.authenticationSeal(request.requestId))
112   112     proof <- verify(RequestProof(payloadString, authorisations, authentication), request)
113   113     _ <- SecureRouteT[F, Unit](_.requestIdService.rejectIfDuplicate(request.requestId))
114   114   } yield ByRequestProof(request, request.requestId, proof)
```

Would you write code like this?

```
> 67 api/src/main/scala/com/iov42/api/models/RequestErrorResponse.scala
```

```
▼ 2 api/src/main/scala/com/iov42/api/routes/ClaimRoutes.scala
@@ -78,7 +78,7 @@ class ClaimRoutes[F[_]: Effect](claimService: ClaimService[F]) extends Routes[F]
78   78           authorisationSeal: Seal,
79   79           requestWithProof: ByRequestProof[CreateClaimsRequest[S]]) =
80   80     httpRequest.headers
81   -     .decodeValue[F, Map[Digest, PlaintextClaim]](`X-IOV42-Claims`)
81  +     .decodeValue[F, Map[Digest, PlaintextClaim]](`X-IOV42-Claims`, requestWithProof.data.requestId)
82   82     .flatMap { plaintextClaims =>
83   83       claimService.createClaimsCommand(requestWithProof.data,
84   84         subjectAddress,
```



# Code stream

The screenshot shows an IDE interface with the following components:

- Top Bar:** Shows the project name "hello-bronx" and file path ".../agent.js". It includes standard icons for file operations like Add Configuration, Save, Undo, Redo, and Find.
- Code Editor:** Displays the content of the "agent.js" file. The code is a mix of plain text and syntax-highlighted code, including imports from "react", "react-intl", "react-redux", and "prop-types". It also includes logic for password and email validation.
- Code Stream Panel:** A vertical panel on the right labeled "CodeStream" which displays a timeline of activity. It includes sections for "Activity" and "CodeStream".
- Activity Section:** Shows notifications from users "dave" and "larry".
  - A message from dave: "requested a review 2 minutes ago" with a link to "Feature: foo - first cut". Below it is a question: "Am I on the right track?".
  - A message from dave: "requested a review 24 hours ago" with a link to "Test exclusions again". It includes a status indicator "Approved" and a note about excluded files: "vcs.xml - permanently excluded hello-dc.lml and modules.xml - excluded from just this review".
  - A message from larry: "opened an issue 16 hours ago" with a link to "NG 1". Below it are icons for "DH", "D", and "E".
  - A second message from larry: "opened an issue 16 hours ago" with a link to another issue.
- Bottom Bar:** Includes links for "Event Log", "1:1 LF", "UTF-8", "4 spaces", "Git: feature/foo", "PD: larry", and other standard IDE navigation links.



# Octotree

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627 commits 1 branch 32 releases 62 contributors AGPL-3.0

Branch: master New pull request Create new file Upload files Find file Clone or download

Fahme and buunguyen Remove href from a tags (#827) Latest commit c311ef0 19 hours ago

.github Merge v3 into master (#803) 22 days ago

dist Merge v3 into master (#803) 22 days ago

docs Merge v3 into master (#803) 22 days ago

icons Improve styling and icon build 4 years ago

libs Merge v3 into master (#803) 22 days ago

src Remove href from a tags (#827) 19 hours ago

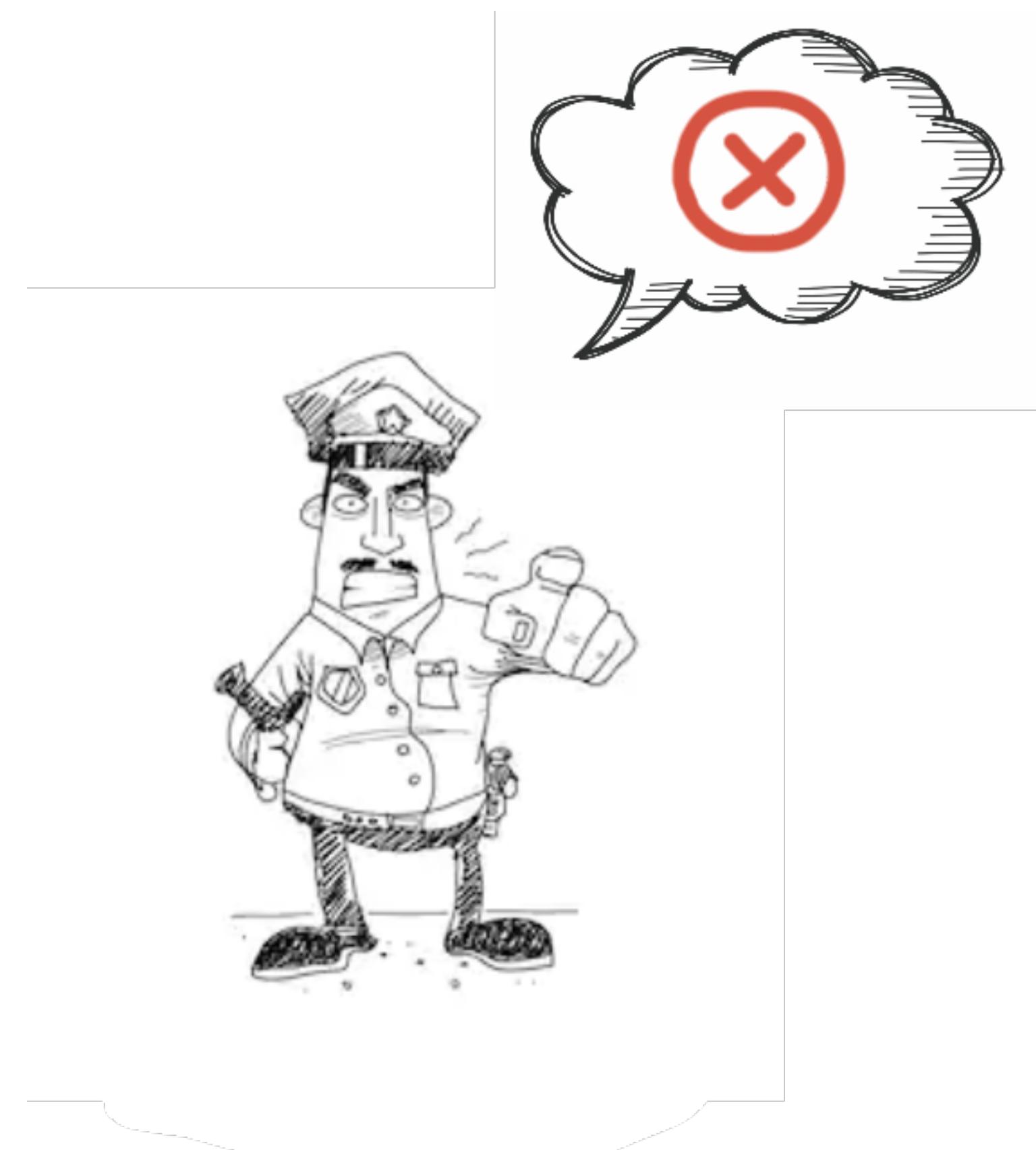
Focus on design & logic



Pick your battles...



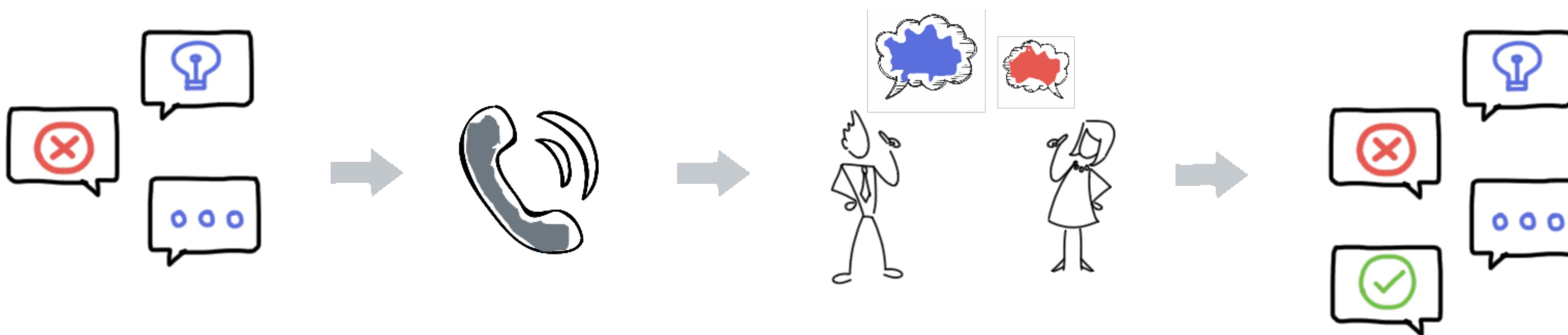
Wear the "No but ..." hat



VS



# Avoid long threads & flame wars



Praise goes a long way

