



How to do

Kick-Ass

Software Development

Who expects to see some code?

```
System.out.println
```

```
["Sorry, you may leave now"];
```

**Who expects to learn a new
methodology?**

There is no Kick-Ass **manifesto!**

...and no certification

Who **just** wants to kick ass?



Yes, that's me ;)



THIS IS **YOUR** TALK

How to do kick ass development?

Use Java

Use Java

...is not so important

Sven Peters

Atlassian Ambassador



svenpet.com

 [@svenpet](https://twitter.com/svenpet)

better software

less overhead

faster development

happy customer

happy developers

Agile

What's the state of

Agile

2013 ?



DIABOLICAL DEVELOPER

Compiles? == Ship it!

The Dark Manifesto of Agile Software Development

We are uncovering ~~better~~ **the only** ways of developing software by ~~doing it and helping~~ **teaching** others ~~do it~~.

Through this work we have come to value:

Individuals and interactions ~~over~~ **and not** processes and tools
Working software ~~over~~ **and not** comprehensive documentation
Customer collaboration ~~over~~ **and not** contract negotiation
Responding to change ~~over~~ **and not** following a plan

That is, ~~while~~ **since** there is **no** value in the items on the right, we value **only** the items on the left ~~more~~.



Programming, Motherfucker

Do you speak it?

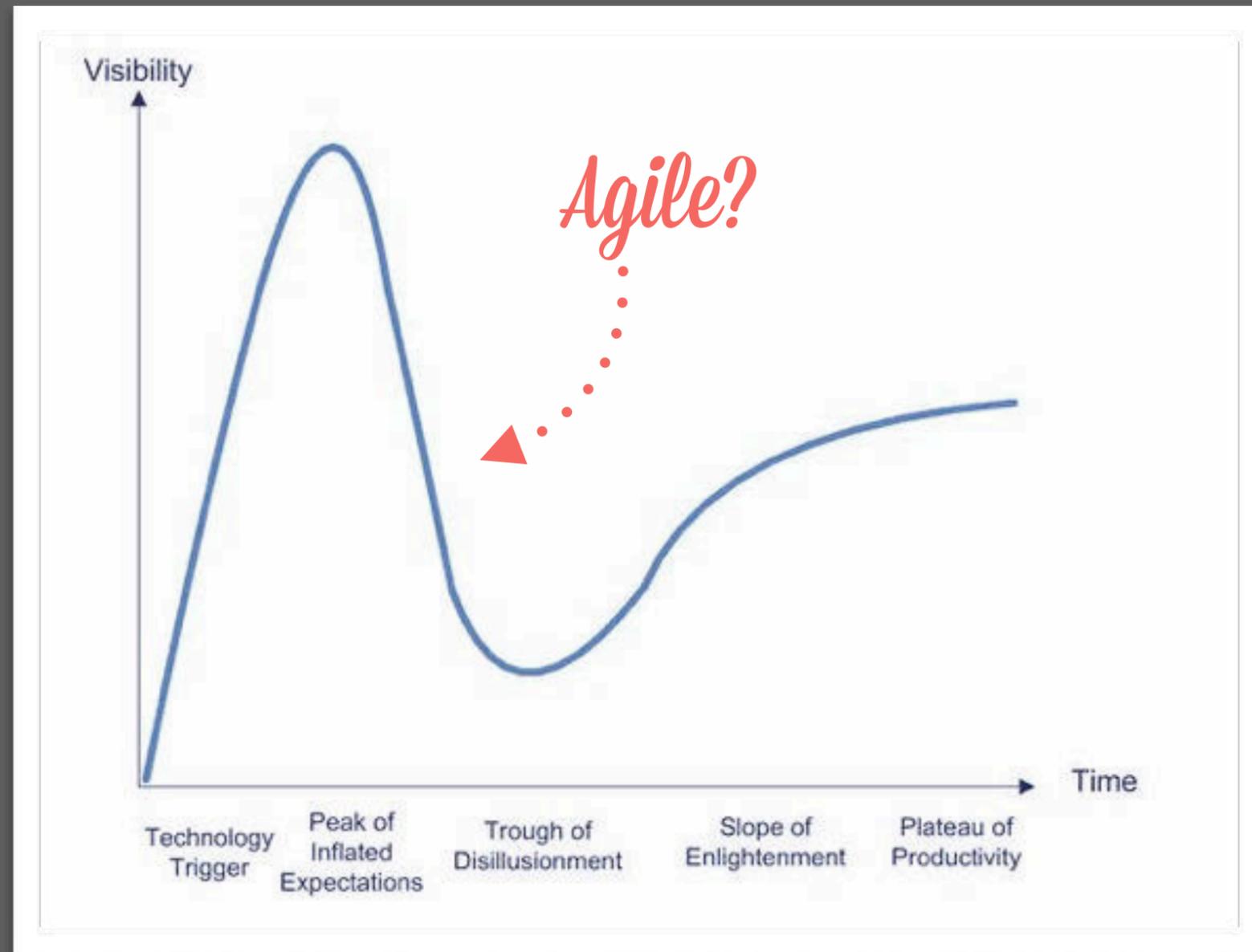


Is

Agile

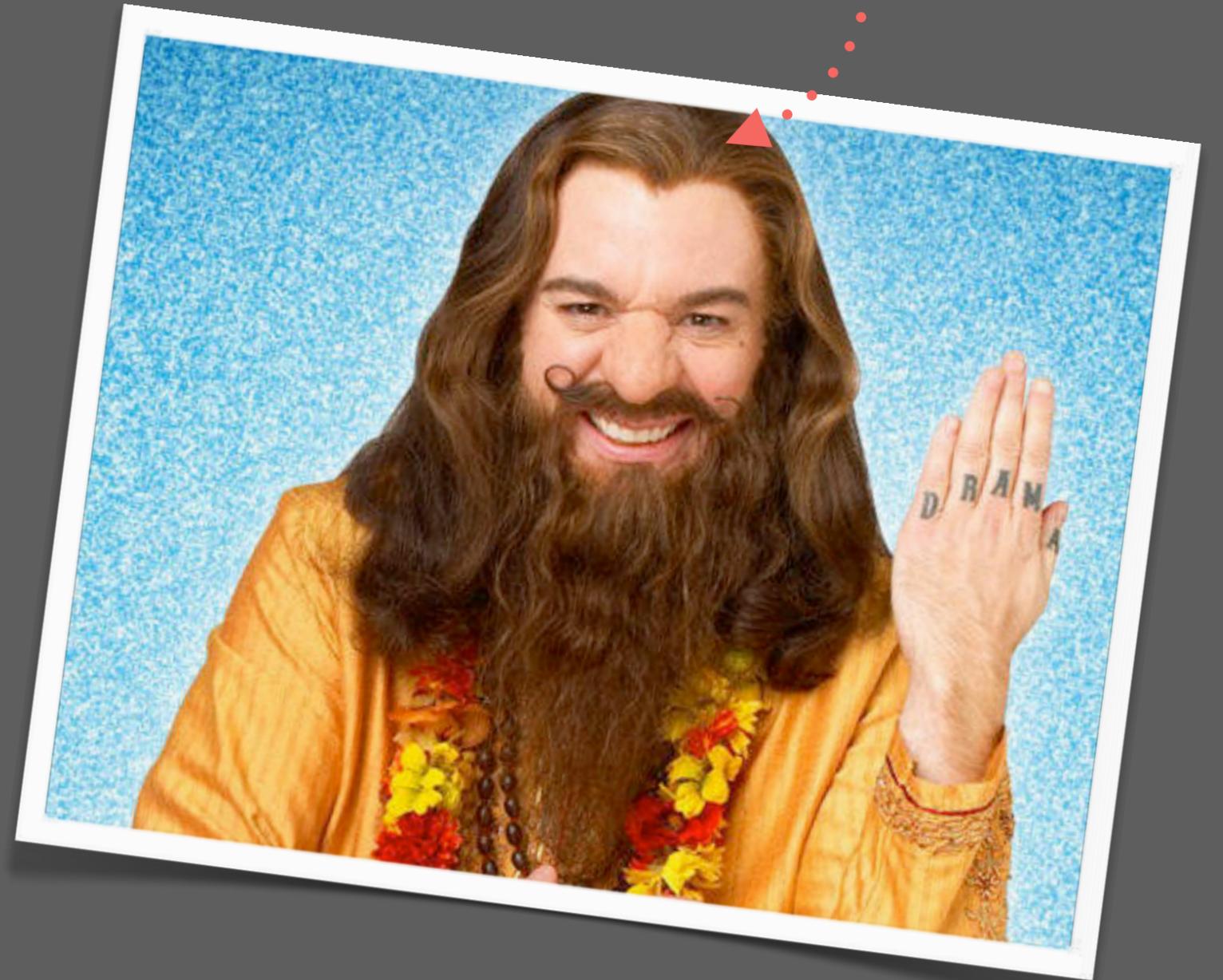
dead?

The Gartner **Hype** Curve



We need
some **smart** people!

Guru



Stop following the next guru



and kick-ass again



 Deliver Kick-Ass Software

 One Kick-Ass Team

 Kick-Ass Collaboration

 Kick-Ass Automation

Ass Kicking Topics



Deliver

Kick-Ass Software





Building the right thing

before

How do we know?

Microsoft Kin





Fake it

..... *til you*

Make it



very Rapid
Prototyping



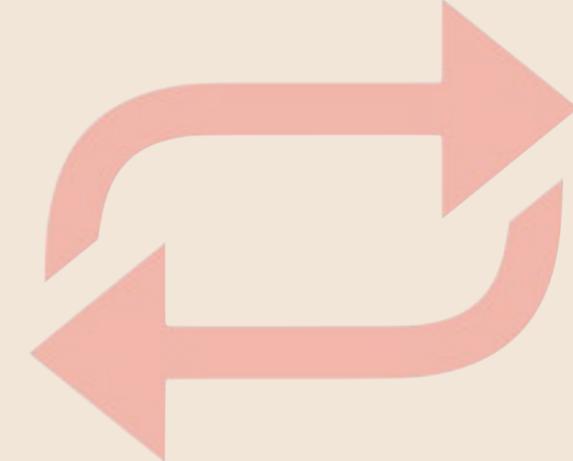
Paper Prototyping





Software

Construction Area - Improving Software



Generate a kick-ass

Feedback

Experience

**How was your
security experience
today?**

Heathrow

Tell us how we
can make your
journey better

Easy to find

Make it simple

Fast to submit



GOT FEEDBACK?



Opt In for a Better GreenHopper

Help us make GreenHopper better! We're continuously working to optimise the GreenHopper experience for the needs of users like you. Anonymous usage data helps us do just that.

Would you like to turn on the collection of anonymous usage data for this GreenHopper instance? View details about [information that will be collected](#), read our [Privacy Policy](#) for the data and our [End User Agreement](#).

Yes, please

No, thanks

JIRA Agile

Getting Started with GreenHopper

GreenHopper has two primary modes, **Kanban** for constraint-based task management, and **Scrum** for iteration planning. If you're not sure which one is right for your needs you can check out the learning links we've provided.

Scrum

Kanban

DIY

What's New in GreenHopper 6.1

We're excited to introduce Epics, a new feature for Scrum teams that enables them to organise a growing backlog. Epics represent big feature areas that the team will break down into stories and complete over a number of sprints. For full details [read the release blog](#).

[Follow our progress](#) and stay in the loop.

GreenHopper Welcome Video





Got Feedback?

Rate the page * Awesome Good Meh! Bad Horrible

What do you like? *

What needs to be improved? *

Upload a screenshot

Name

Email

Opt In for
Help us make that.
Would you like to share your data and our cookies?

helps us do just
[Privacy Policy for the](#)



Get
Green
and S
can c



Easy to find

Make it simple

Fast to submit

Got Feedback?

Rate the page * Awesome Good Meh! Bad Horrible

What do you like? *
Good tools, but this talk doesn't kick ass at all!

What needs to be improved? *
Add more jokes!

Upload a screenshot Browse

Name

Email

Submit

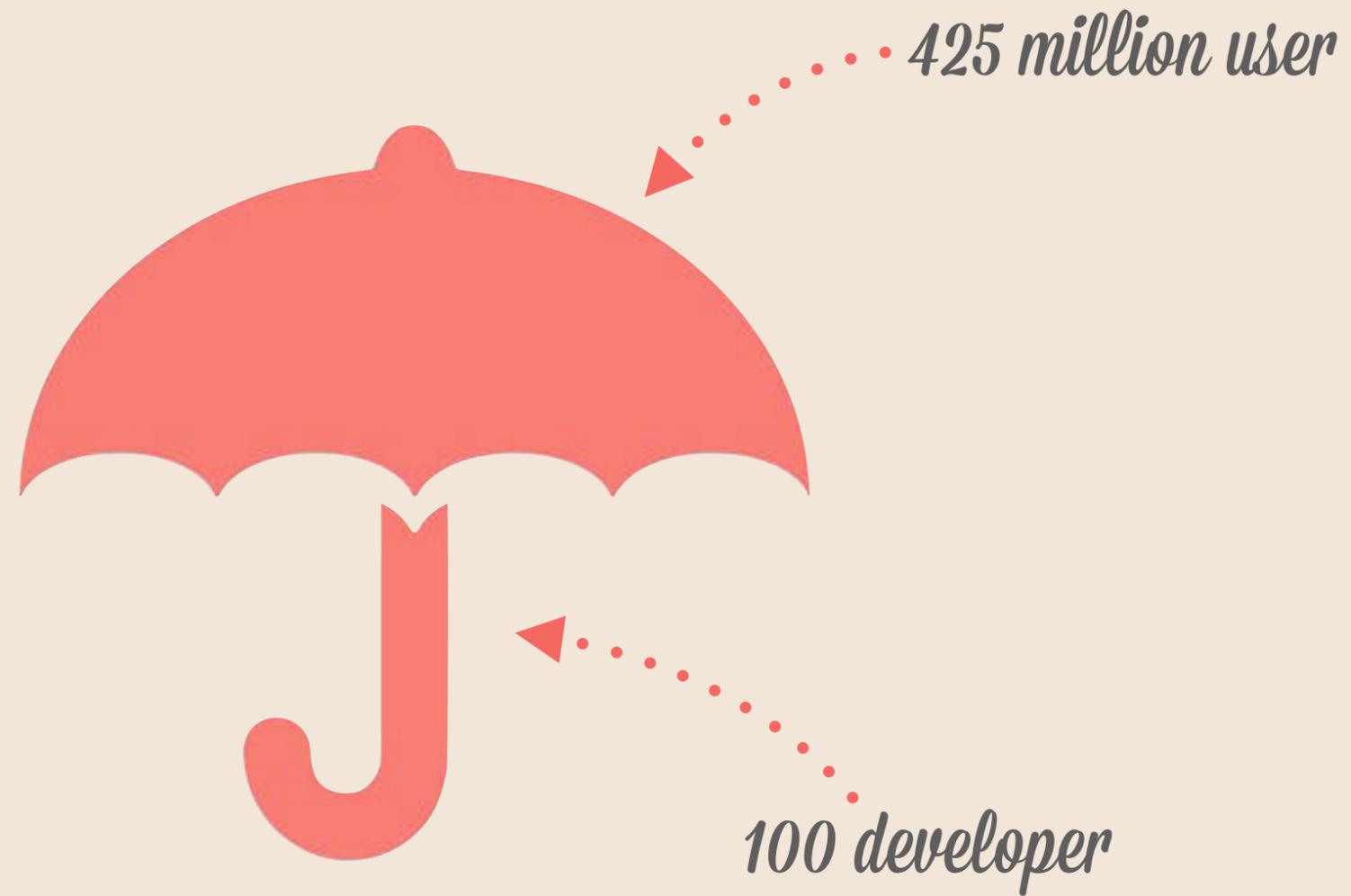
Cancel

Protect
your Developers





The Sh*t umbrella





We're not doing





Everyone

— On The —

Front Line



Feedback



Close the Loop

and get **pers♥nal**



Developers
on
Support



Care about your customers!
Have an effective feedback loop



Keep improving!



One Kick-Ass Team





Different Roles Responsibilities





The Problems

Bottlenecks : Accountability : Scalability



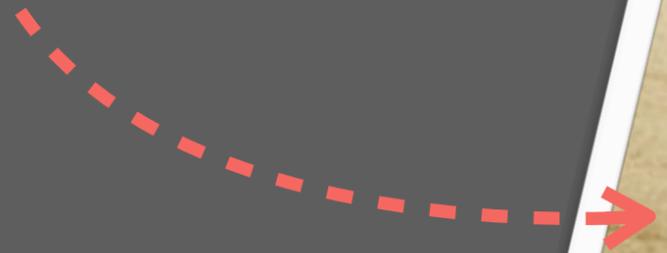


Developer on Test





*So the developers are
doing all the work?*





QA

Qual-i-ty As-sis-tance [kwol-i-tee] [uh-sis-tuh ns]

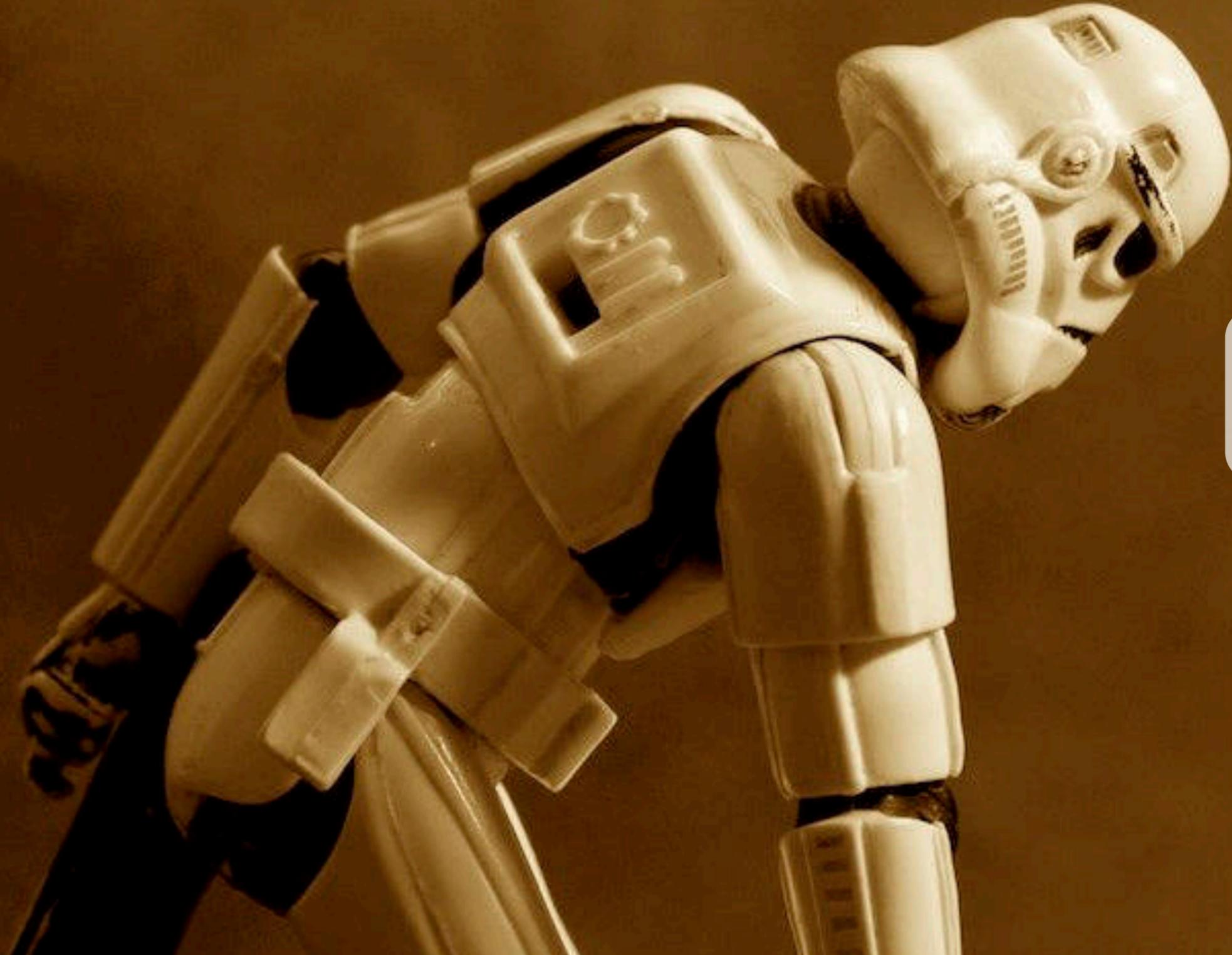
Quality is everybody's responsibility. QA employees help and train developers to become better tester, testing the more complicated stuff, creating test data, investigating in new test tools and working on test strategies.



6 *Tips* for kick-ass DoTing.....



1. Training



2. Pairing

3. Blitz Test





4. Test Recipe*

* advanced doting

5. Split Sessions*



* advanced doting

6. Bug Hunter*



* advanced dotting



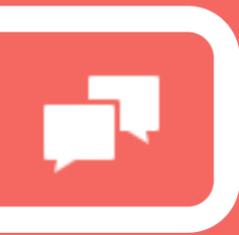
Quality is everybody's responsibility



Department barriers slows you down!
Work together as **one team!**

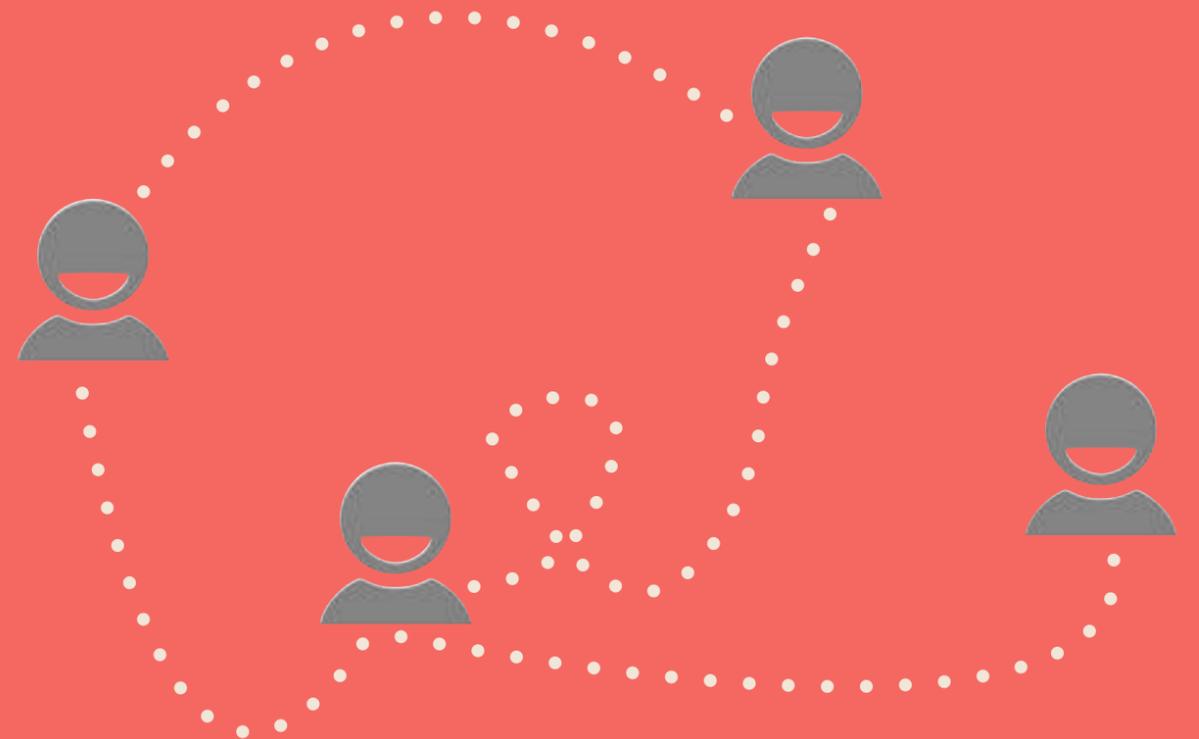


Keep improving!



Kick-Ass

Collaboration



Lonesome Cowboy Coder



The **trouble** starts
with the **team**









Traffic **Rules**

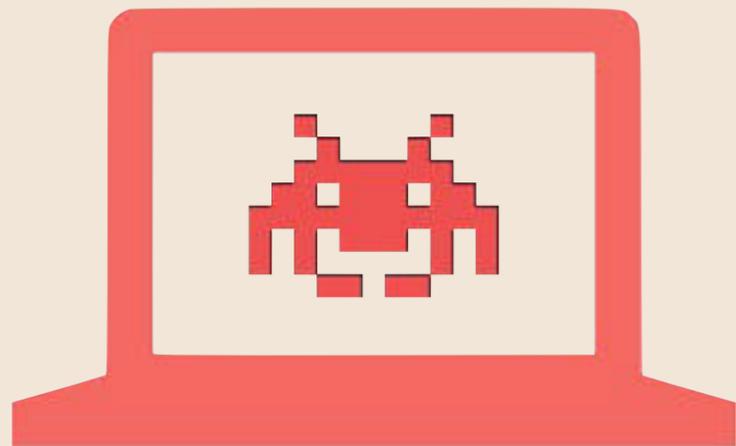


are protecting us from **accidents**



Development **Rules**

are protecting us from **making mistakes**





BRANCH

PULL

MERGE



A branch

for every task





Branches

have short lives



average 2 days



we use

Pull Requests



feel better

learn

better quality

blame

★ ANDY

★ JULIE

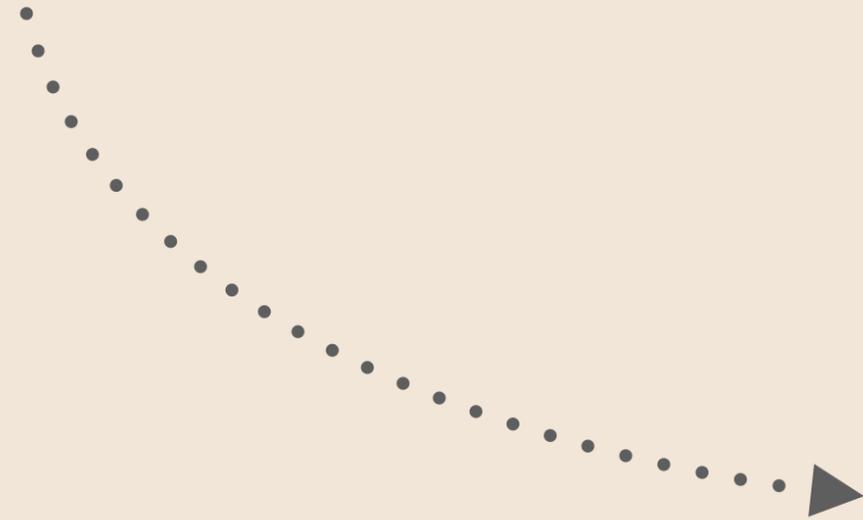
✗ STEVE

★ LYNNE

Why do you want to discuss
your code changes?



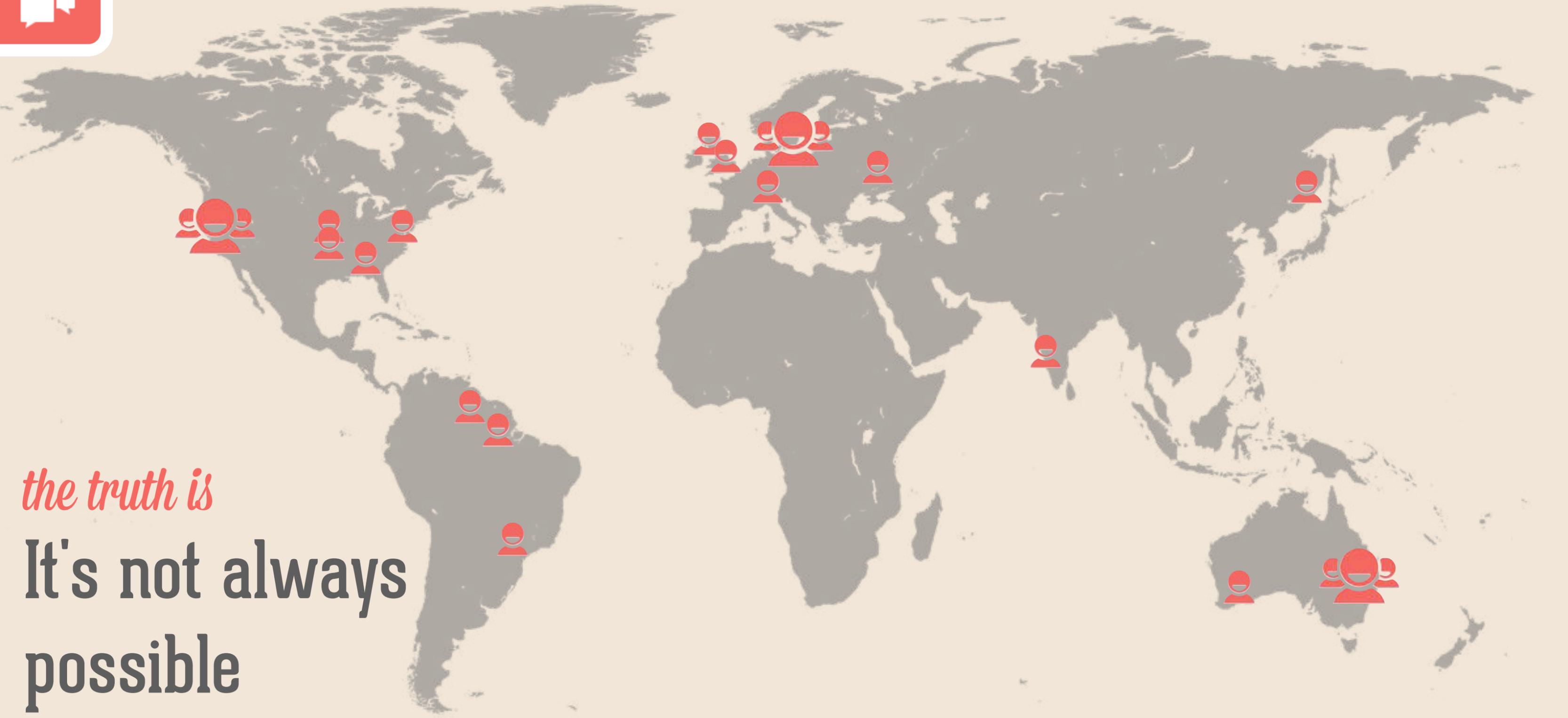
fast approvals 



moving fast 



we prefer
**Collocated
Teams**



the truth is
**It's not always
possible**



Where do you work best?

it depends



...in the office?



...in the coffee bar next door?



...on your couch at home?

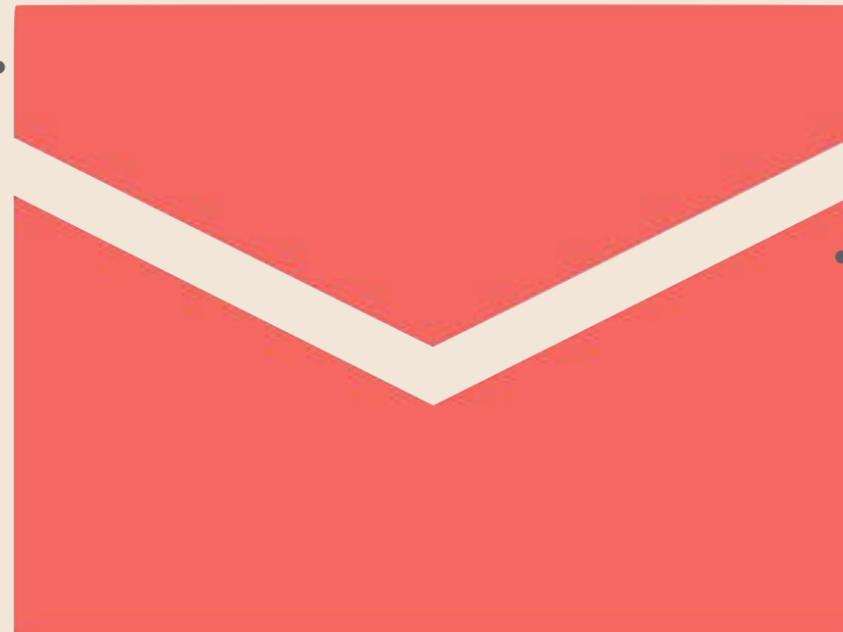


How
do you communicate
effectively?



offline

Emails



one to many

asynchronous

add people



Are you
crazy ?





too much

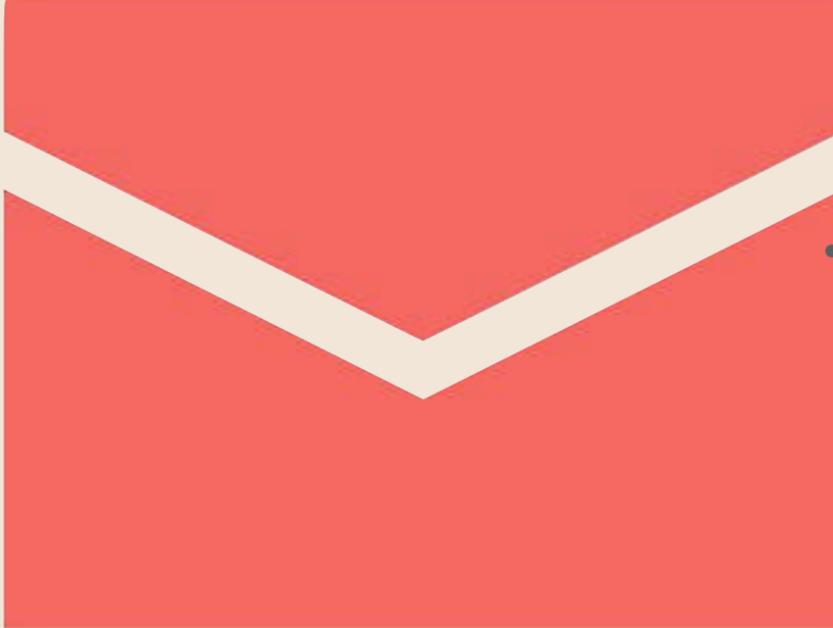




Problems

are bad for conversations

Emails



lots of spam

often too long

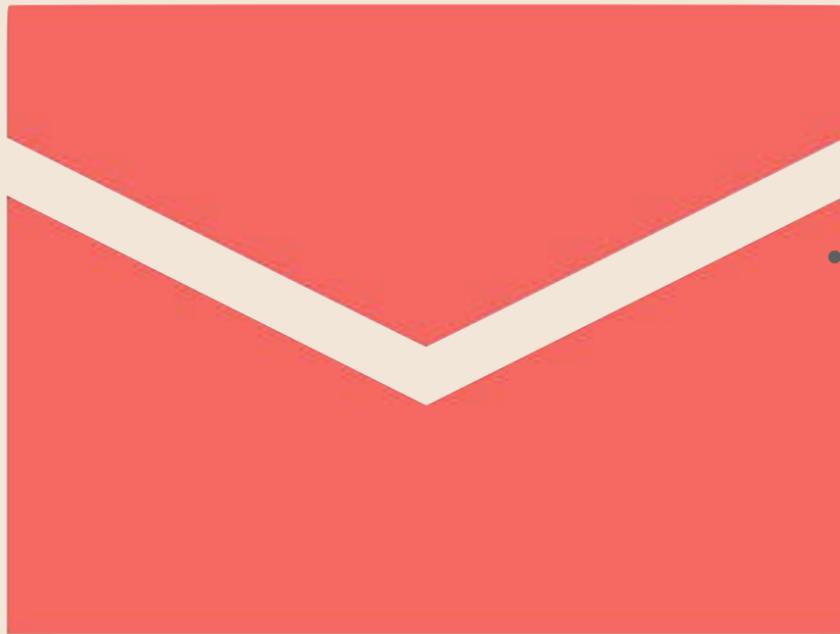
needs an action



Problems

are bad for conversations

~~Emails~~



lots of spam

often too long

needs an action



Who uses *Chat* ?



Confluence
Developer

Design Team

Enterprise
Discussions

Beer Drinkers

Just the conversations you need to **kick ass**

Chat Rooms



is great for **remote** conversations

...and local!



People can stay in the **zone**



is great for **different** timezones



The chat records all **conversations** that happened during the **night**

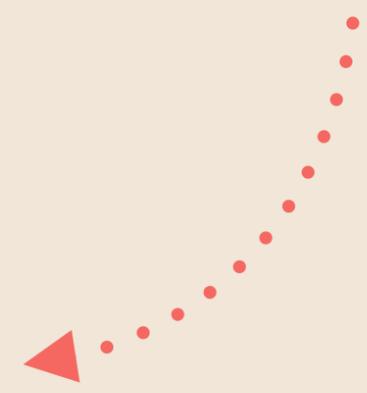


can **pull** people into the conversation

with ease

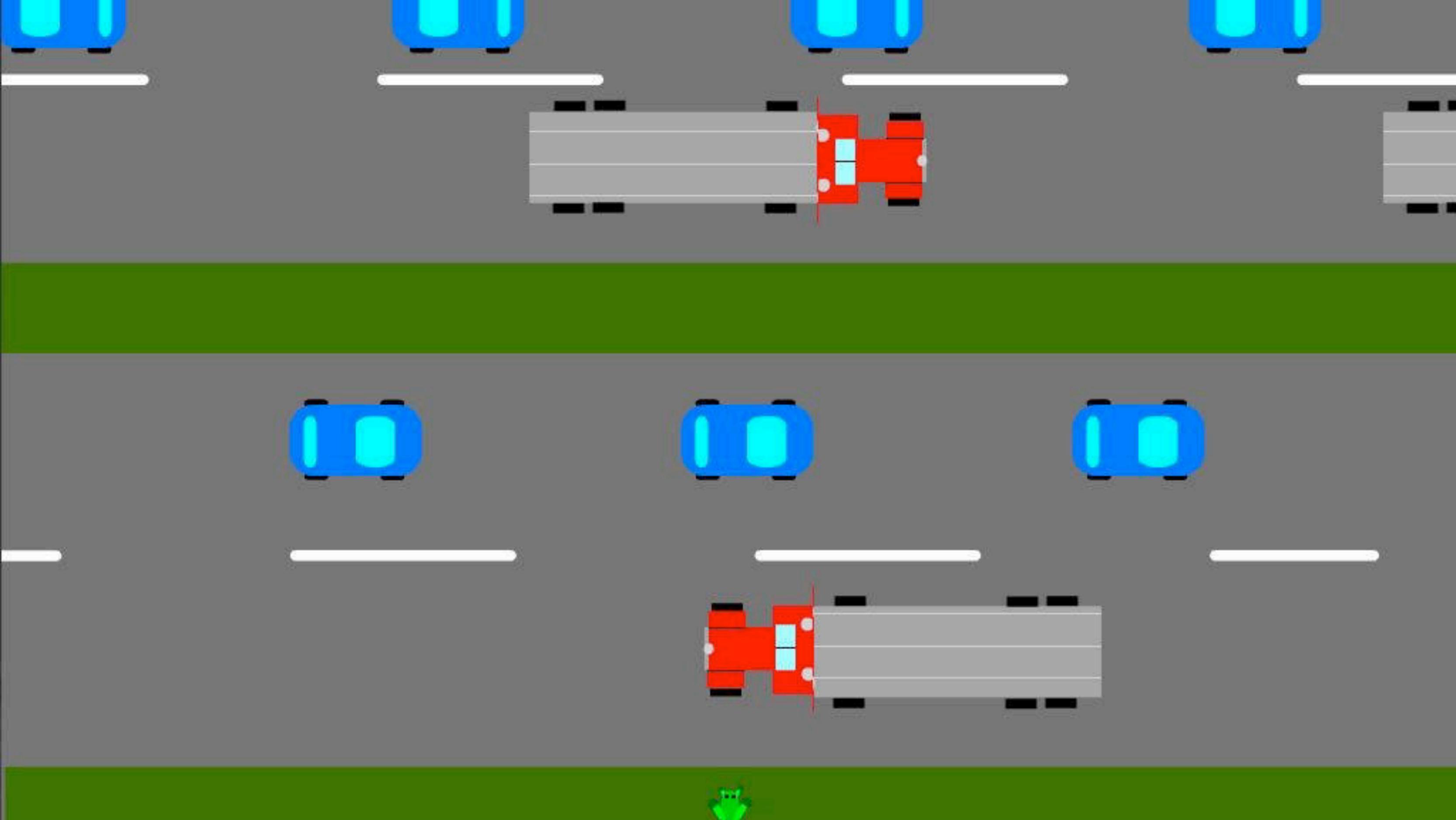


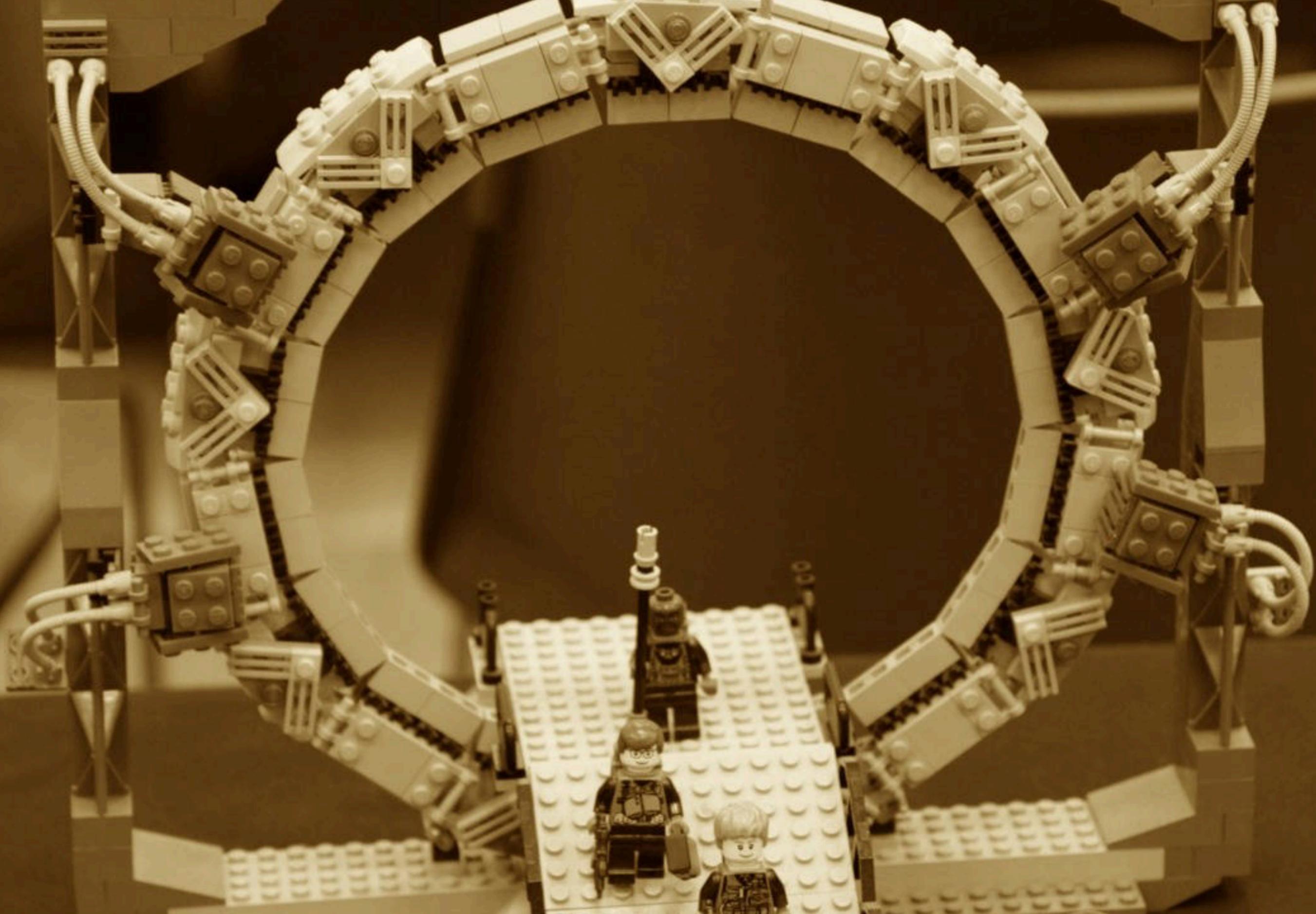
Just @mention someone



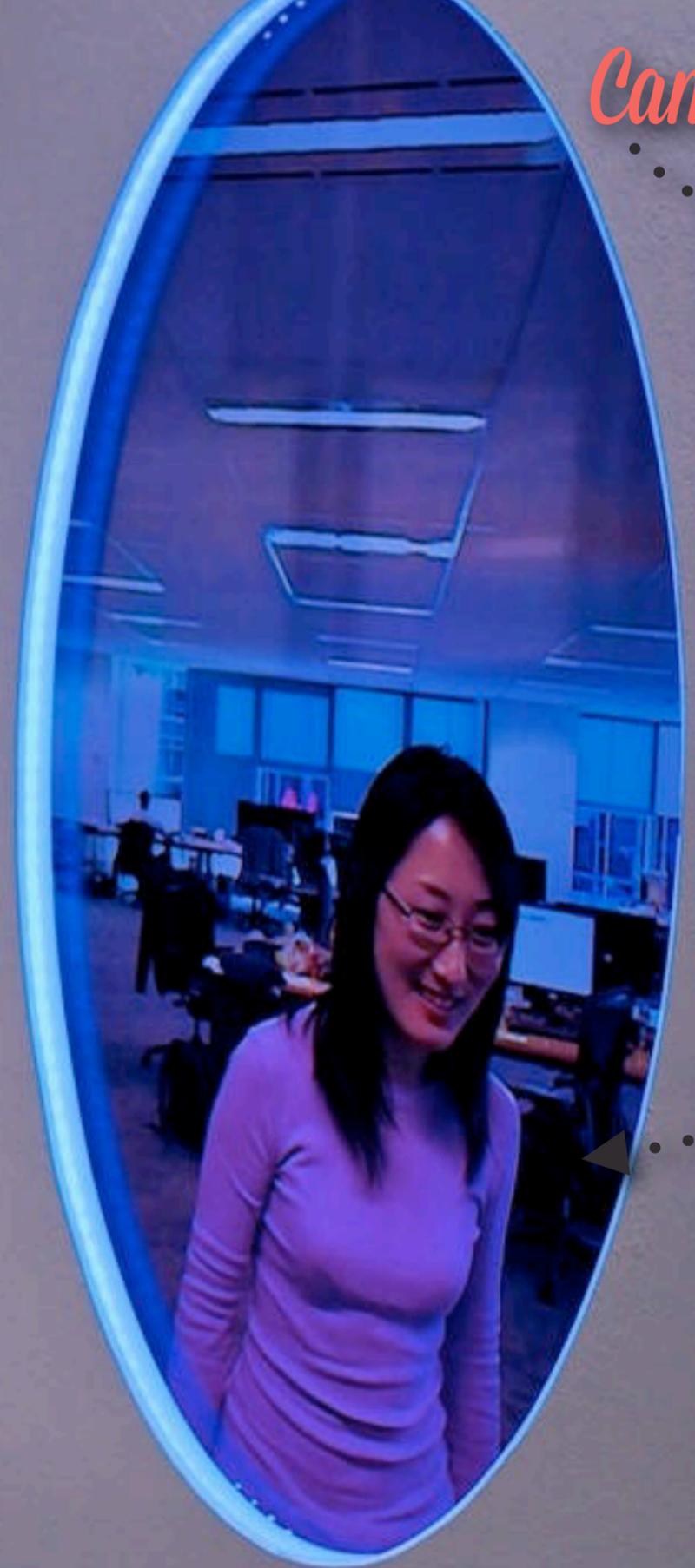
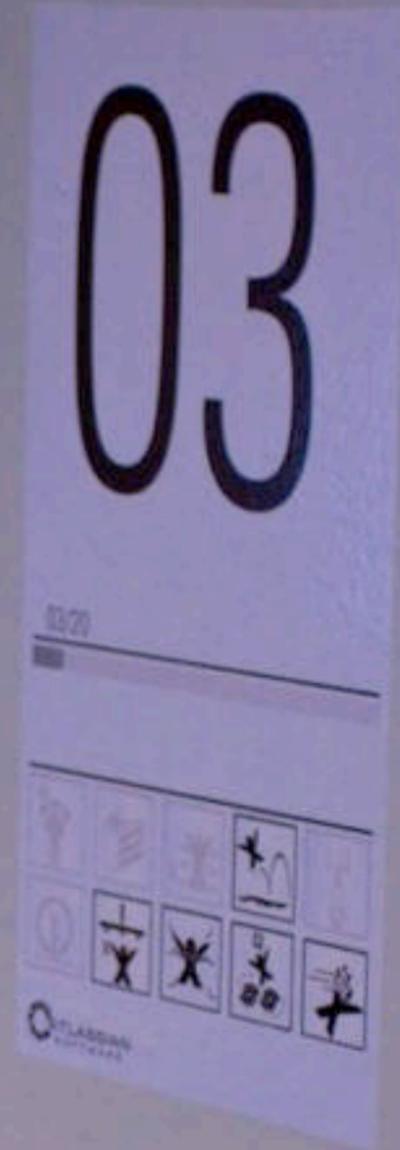


Choose your tools wisely





We built portals!



Camera

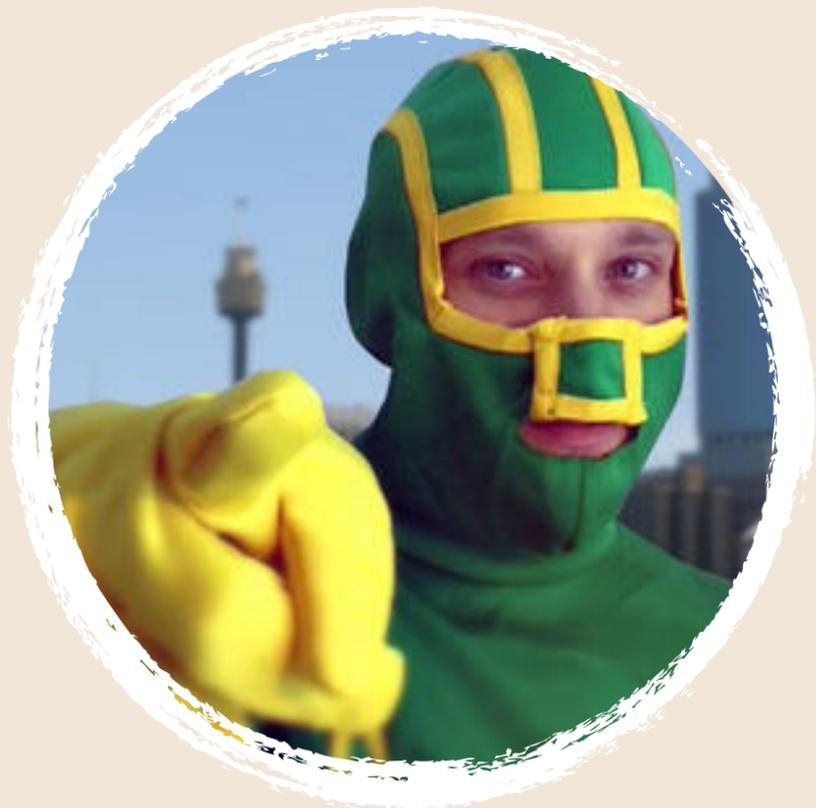


TV

Mac mini



Remove collaboration **friction.**
Easy workflows -> fast development

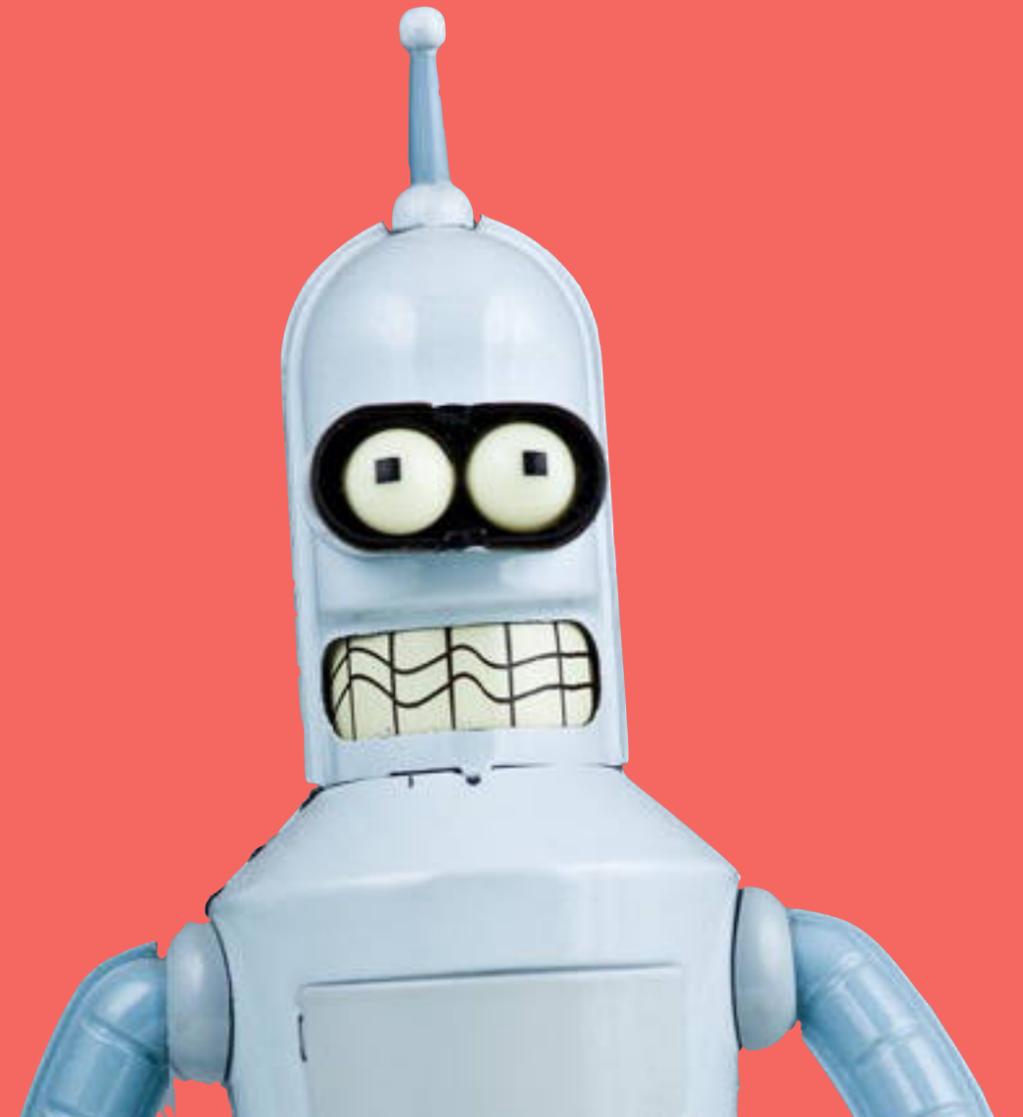


Keep improving!



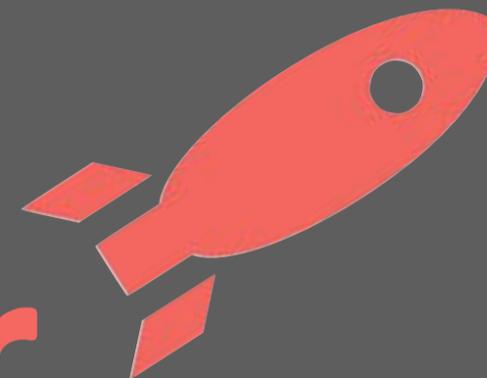
Kick-Ass

Automation





We're helping people
to be **faster**



automating their work



How much time do you spend a week
to **automate** your software development?





Who is doing continuous integration?



Who
is doing **kick-ass** continuous integration



Our **builds**
sucked

took too long

were too complicated

were unstable

missed a concept



Fail Fast





4 things

how to tame monster builds

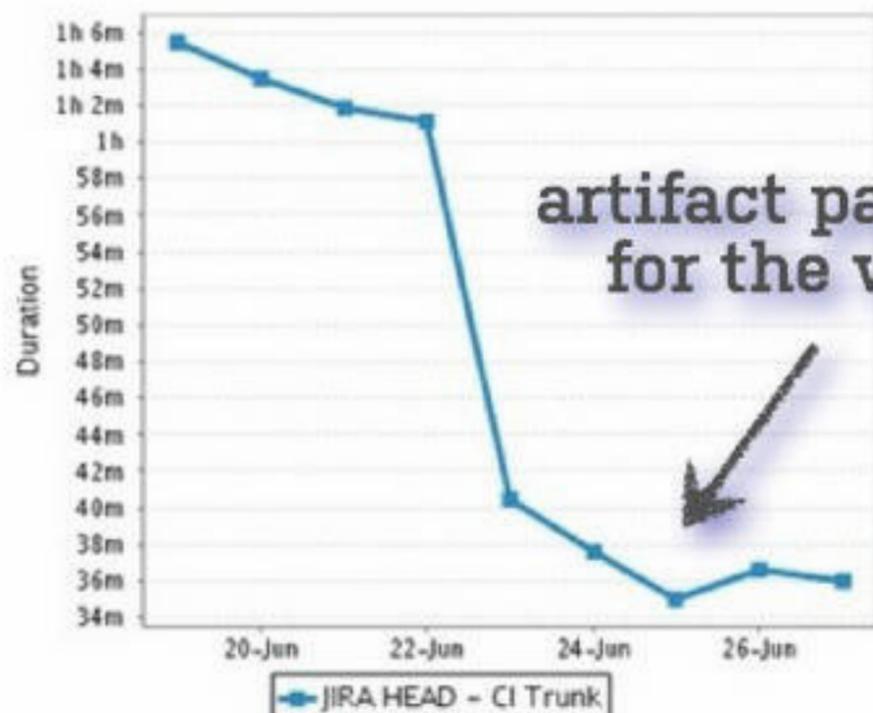
and **kick-ass** again

1. Pass the artifact

Build Duration

The report shows how long your build takes over time. Is it getting slower or faster?

Chart Data Table Builds





2. Parallelize Tests

3. Have a build strategy

performance tests ← ...
nightly builds

platform tests ← ...
less frequent (every hour)

building + unit & UI tests ← ...
every check in



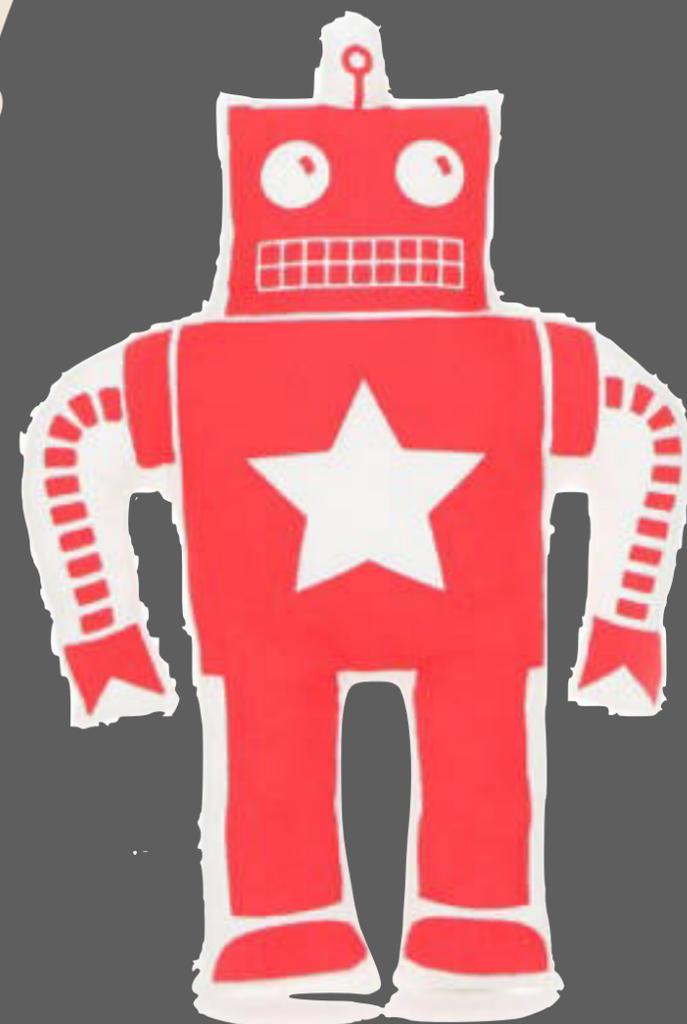
Care about automation

Faster builds >>

less task switching



*More automation
awesomeness!*





Flakey Test Detector





Wallboards





Freud Bot



Freud Bot

⚠ You should use a variable here instead of `#326CA6`. I suggest that you use a variable of similar colour:

`@globalHeaderPrimaryActionFallbackColor` `@globalHeaderPrimaryActionBottomColor` `@primaryLinkColor` `@primaryHighlightColor`
`@globalHeaderTopColor`

webapp / default / src / main / webapp / static / widget / lozenge / lozenge.less [View diff](#)

```
+ 135 }  
+ 136  
+ 137 a.lozenge {  
+ 138   background-color: #d0dfee;  
+ 139   border-color: #d0dfee;  
+ 140   .transition(~"color 0.2s, background-color 0.2s");  
+ 141  
+ 142   &:hover {  
+ 143     text-decoration: none;  
+ 144     color: @invertedBodyTextColor;  
+ 145     background-color: #326ca6;
```



Freud Bot

⚠ You should use a variable here instead of `#326CA6`. I suggest that you use a variable of similar colour:

`@globalHeaderPrimaryActionFallbackColor` `@globalHeaderPrimaryActionBottomColor` `@primaryLinkColor` `@primaryHighlightColor`
`@globalHeaderTopColor`

Reply · Delete · 8 mins ago

```
+ 146     cursor: pointer;  
+ 147   }  
+ 148 }  
+ 149 }
```



Use your skills to automate things!



Keep improving!



Deliver Kick-Ass Software



One Kick-Ass Team



Kick-Ass Collaboration



Kick-Ass Automation

Kick-Ass Software Development



Kick-Ass Software Development

Kick-Ass customers

Kick-Ass team

Kick-Ass dev speed

Kick-Ass quality

Kick-Ass scale

Kick-Ass Software Development

Kick-Ass customers

Kick-Ass team

Kick-Ass quality

Kick-Ass dev speed

Kick-Ass scale



Is

Agile

dead?

Be excellent
in everything you do



Managers are humans, too!

▶ *harder*



▶ *easier*



Build a kick-ass culture

Step out of your **comfort zone**
and be more *awesome*



Did you

kick ass

today?



Thanks!

svenpet.com/talks

 [@svenpet](https://twitter.com/svenpet)

It's beer o'clock



svenpet.com/talks

 @svenpet