

WHAT MILLIONS LOC OF HTML AND JS TEACHED ME

SURVIVING YOUR

FRONT-END

WHOIS SEBASTIAN SCHÜRMAN

- Coder for about 15 years
- All things agile since 2004
- Coaching and leading teams since 2009
- <http://dissident-trainings.de>

WHY THIS TALK?

I WORK ON THINGS

OFTEN ITS FRONT-END

PEOPLE WILL BE LIKE ..

„You don't have to be a genius or a visionary or even a college graduate to be successful. You just need a framework and a dream.“

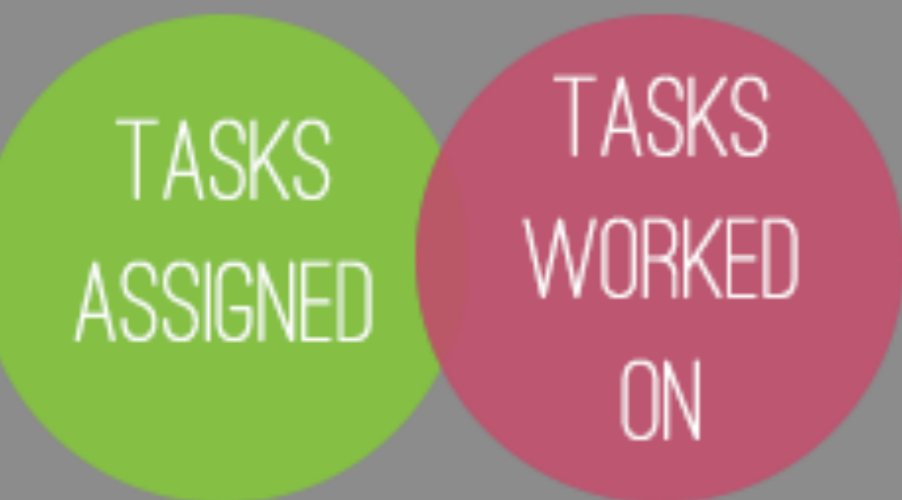
–MICHAEL DELL

Twitter Bootstrap jQuery less GruntJS JSHint
JSLint markdown sass jade coffeescript
codekit livereload web-build jQuery UI
mustache emmet.io bower browserstack npm
RequireJS socket.io jQuery Mobile node.js
Jasmine

REALITY IS LIKE ...

VENN DIAGRAM OF MY WORK WEEK

VENN DIAGRAM 1



VENN DIAGRAM 2



*My work week?
Fantastic! How
was yours?*





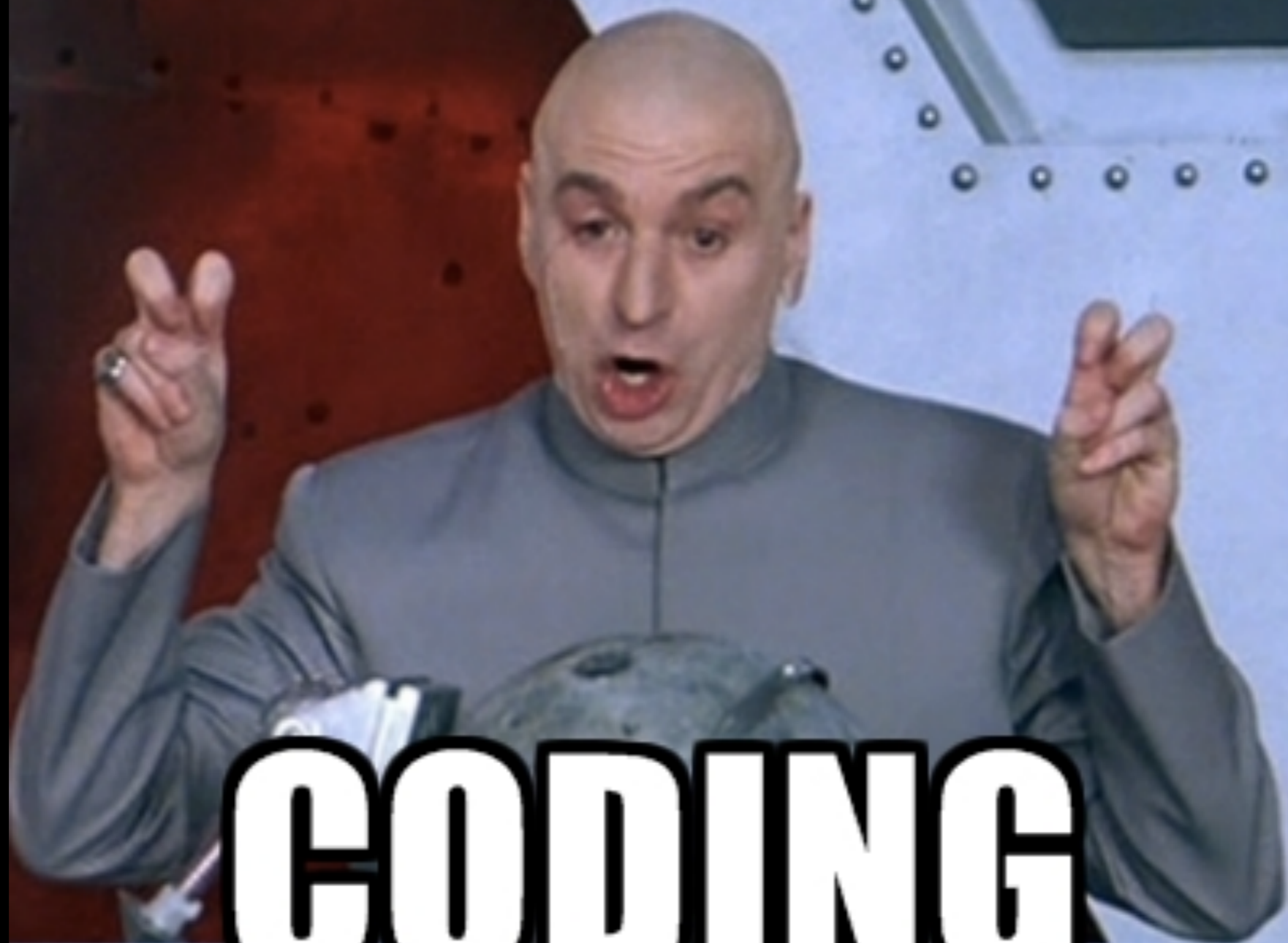
problem?



HAVE NO MEMORY OF THIS SPECIFICATION

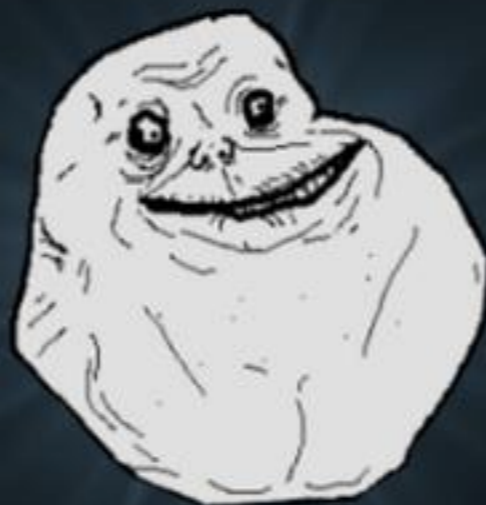
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FRONT-END



CODING

STANDARDS?



FOREVER ALONE

DIYLOL.COM



**I JUST WANT PEOPLE TO UNDERSTAND
HOW CLIENT SERVER APPLICATIONS
WORK.**

FUCK ME RIGHT?

WORKING EFFECTIVELY

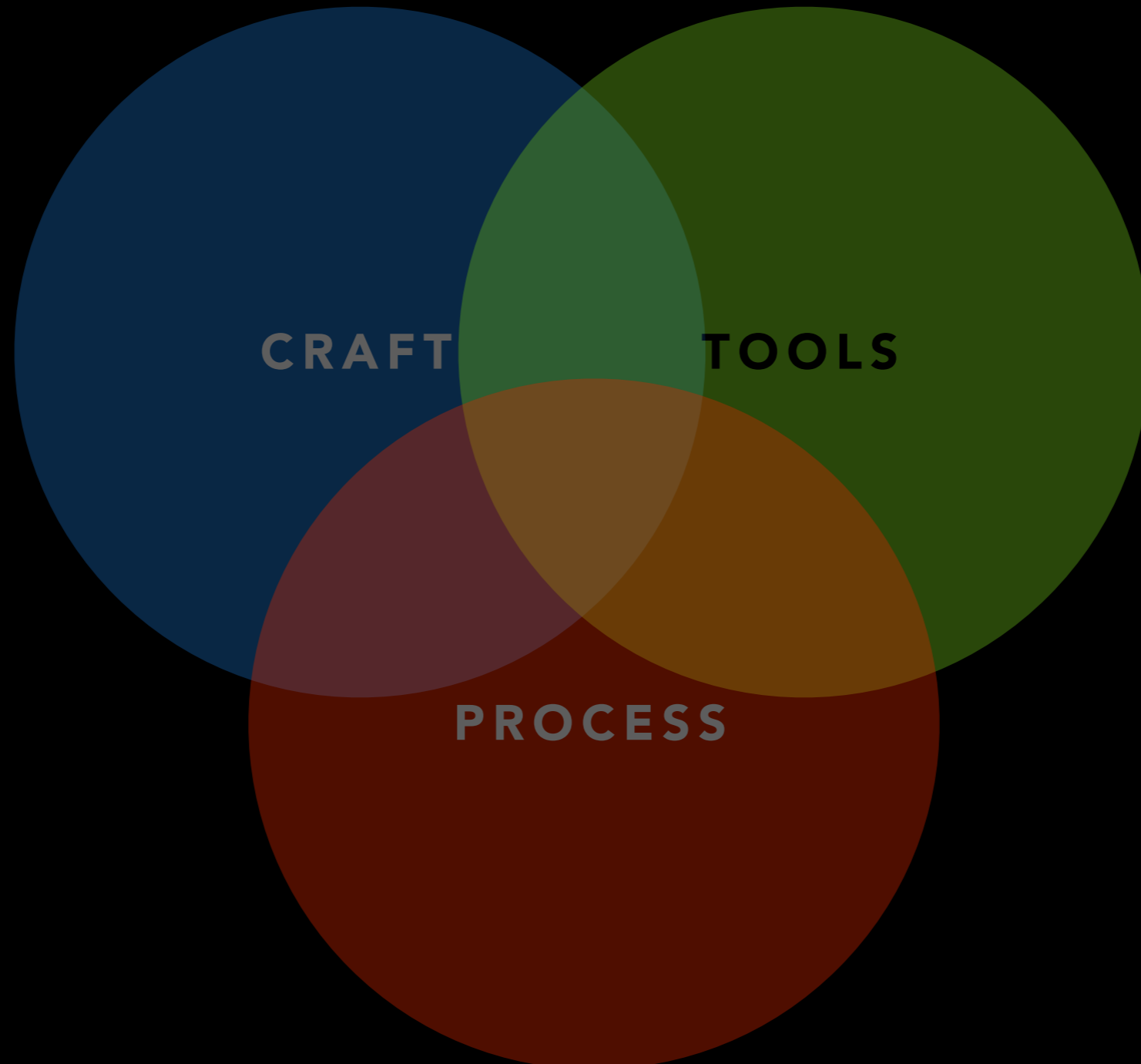


WITH LEGACY CODE

meme-generator.net

- Specifications are very roughly prepared for front-ends
- The crafty side of development, modularization and testing is neglected
- Standards are not set and/or followed
- The fact that a javascript front-end is the client to a server application is often overlooked
- Front-end code is often thought as throw away.

THE THREE SOLUTION VECTORS



RICHARD SENNETT, THE CRAFTSMAN

"CRAFTSMANSHIP NAMES AN ENDURING,
BASIC HUMAN IMPULSE, **THE DESIRE TO
DO A JOB WELL** FOR ITS OWN SAKE."

COMPLETENESS

THE STORY OF THE LOADING INDICATOR!

JIRA #1235

THE LOADING INDICATOR IN THE
SHOPPING CART IS NOT GOING AWAY

COMPLETENESS

\$.AJAX AND THE FALLACIES OF DISTRIBUTED COMPUTING



THE FALLACIES OF DISTRIBUTED COMPUTING

- The network is reliable.
- Latency is zero.
- Bandwidth is infinite.
- The network is secure.
- Topology doesn't change.
- There is one administrator.
- Transport cost is zero.
- The network is homogeneous.

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1994



COMPLETENESS

\$.AJAX AND THE FALLACIES OF DISTRIBUTED COMPUTING



RFCS MOTHERFUCKER



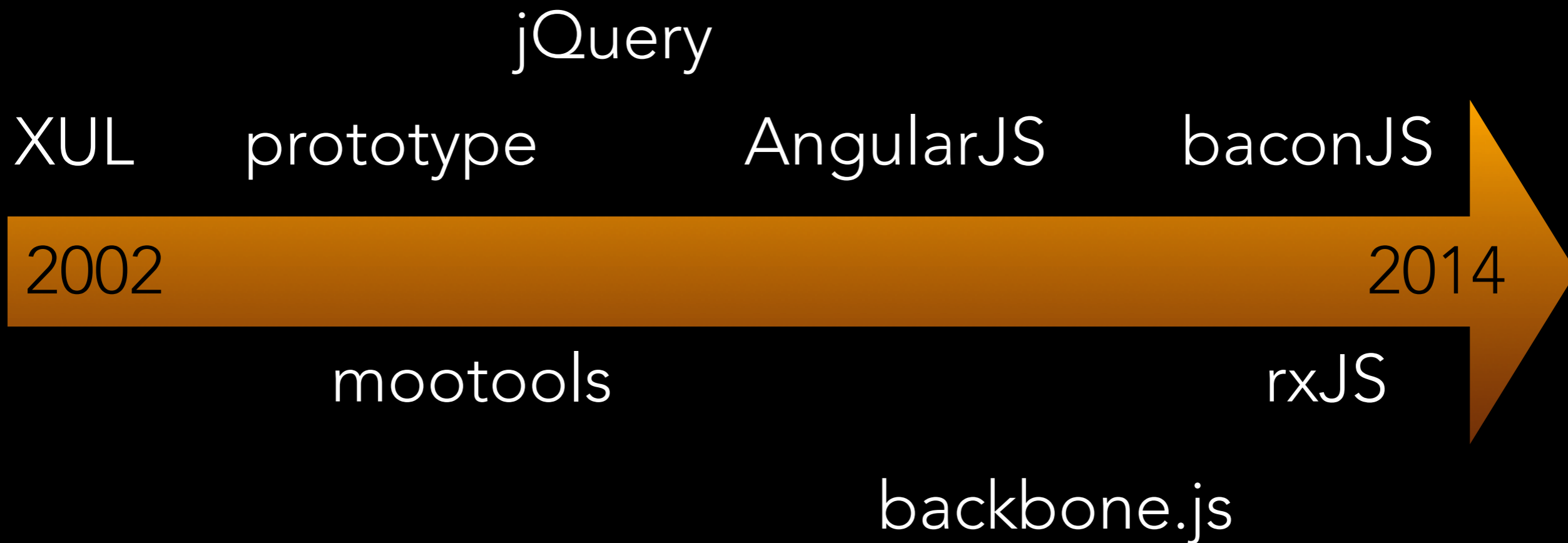
DO YOU READ THEM?

ABRAHAM KAPLAN

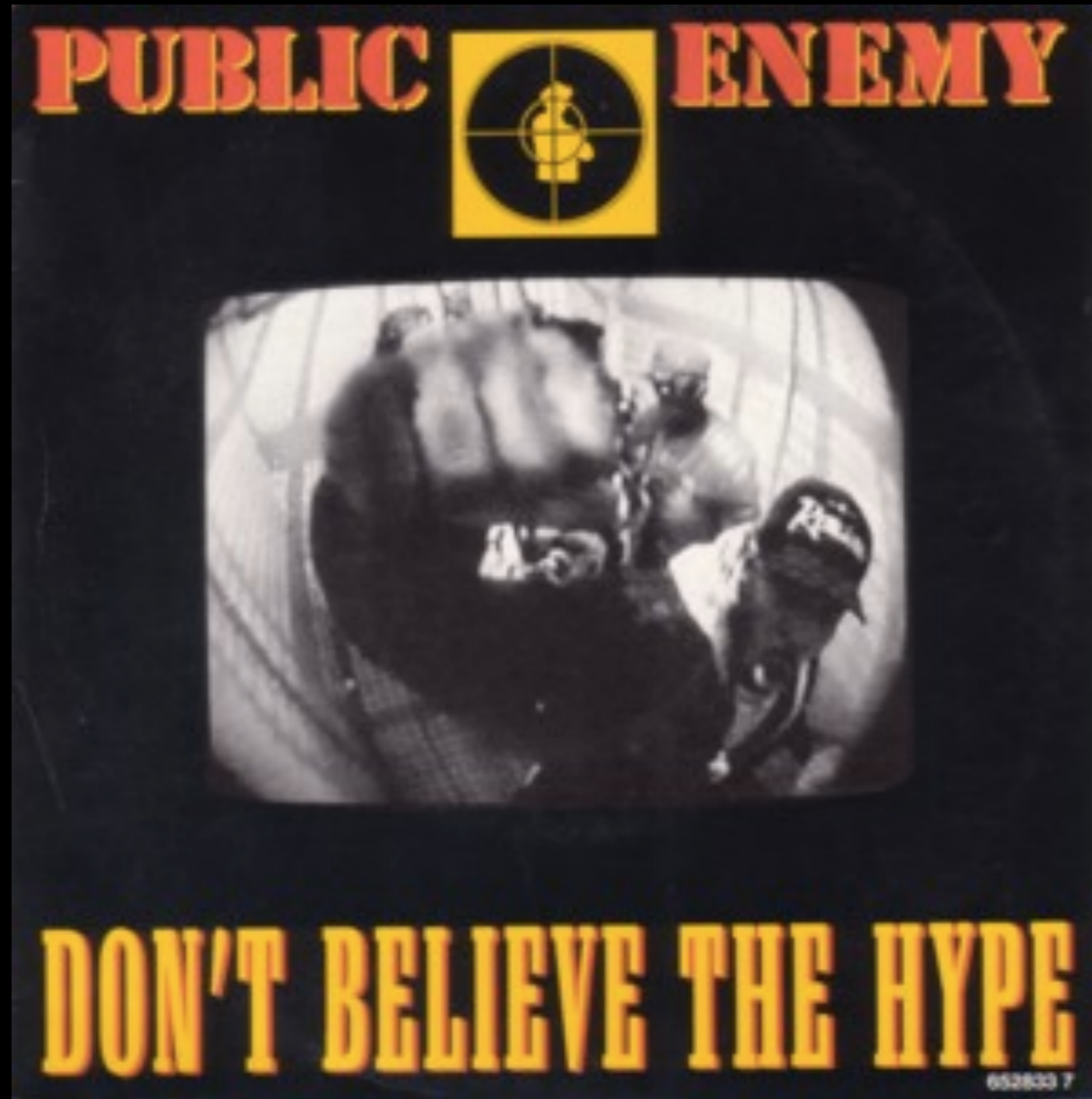
GIVE A SMALL BOY A HAMMER, AND
HE WILL FIND THAT EVERYTHING HE
ENCOUNTERS NEEDS POUNDING.

A INCOMPLETE

HISTORY OF JS FRAMEWORKS



FRAMEWORKS ARE TOOLS



BUILD IT

- Repeating tasks by hand is prone to errors
- Build, test and release is complex in 2014
- You want to see the „final“ result
- Fast feedback!
- Make the build FAST!



TEST IT

- Always be testing
- Using tests is faster than developing in the browser
- Setup is often a pain
- How many browsers do you support?



MODULARIZE IT!



- Single responsibility
- Different job, different behavior
- Build and test for this component
- CI/CD for this component
- Assets -> Component



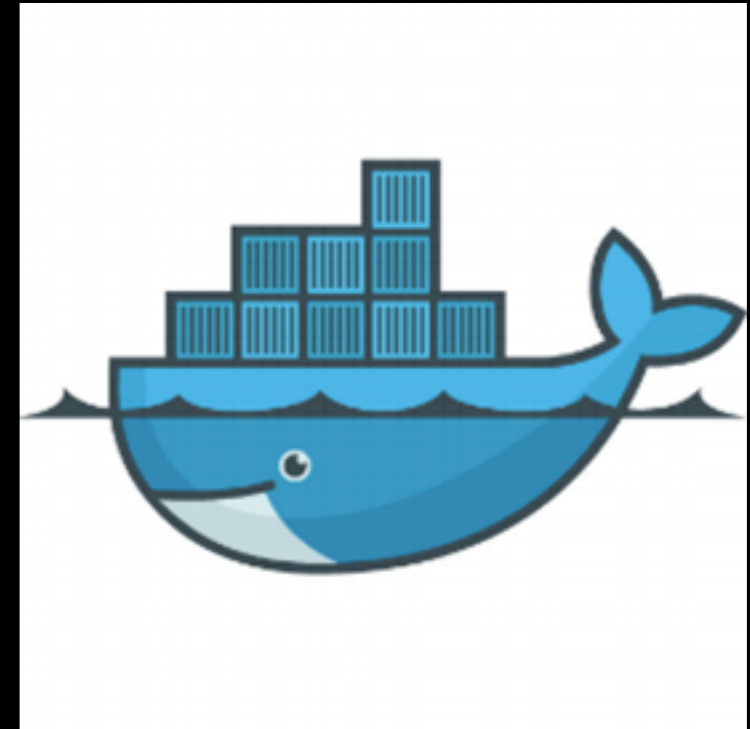
SCAFFOLD IT!

- You will be creating a lot of modules/components
- They should follow a consistent structure
- Creating this by hand is error prone and waste of time



RECREATE IT

- A front needs a back(-end)
- I am not a expert in backends per
- Especially not in your backend
- But I needz it for validation!



Chef

CONCLUSION TOOLS

- Hipster frameworks? Cargo cult?
- Learn and use the tools for automation. Create a „monkey task list“ and automate one each day
- It's 2014, you will be testing, get over it!

NOAN CHOMSKY

LANGUAGE IS A **PROCESS** OF FREE
CREATION; ITS **LAWS AND PRINCIPLES ARE
FIXED**, BUT THE MANNER IN WHICH THE
PRINCIPLES OF GENERATION ARE **USED IS
FREE AND INFINITELY VARIED**. EVEN THE
INTERPRETATION AND USE OF WORDS
INVOLVES A PROCESS OF **FREE CREATION**.