

Exhibitionism in Software Development

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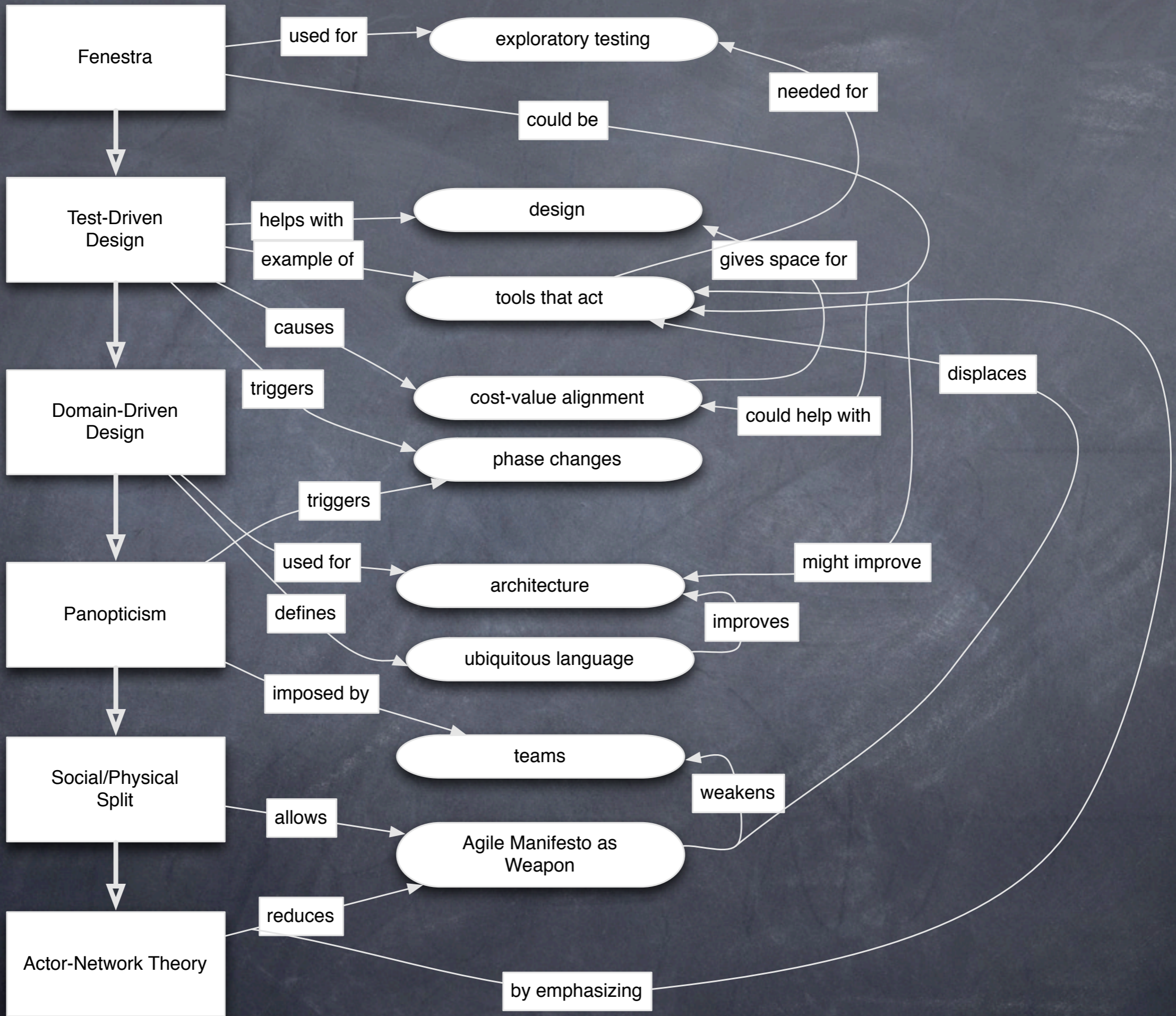
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Survey

- "unit" testing (try, do, want)
- automated "acceptance" testing
- manual testing

demo

Why Do People Like Test-Driven Design?

Why Do People Like Test-Driven Design?

- Some don't

Why Do People Like Test-Driven Design?

- Some don't
- Because it finds bugs

Why Do People Like Test-Driven Design?

- Some don't
- Because it finds bugs
- Because it guides and paces work

Why Do People Like Test-Driven Design?

- Some don't
- Because it finds bugs
- Because it guides and paces work
- Because it gives... permission?

Why Do People Like Test-Driven Design?



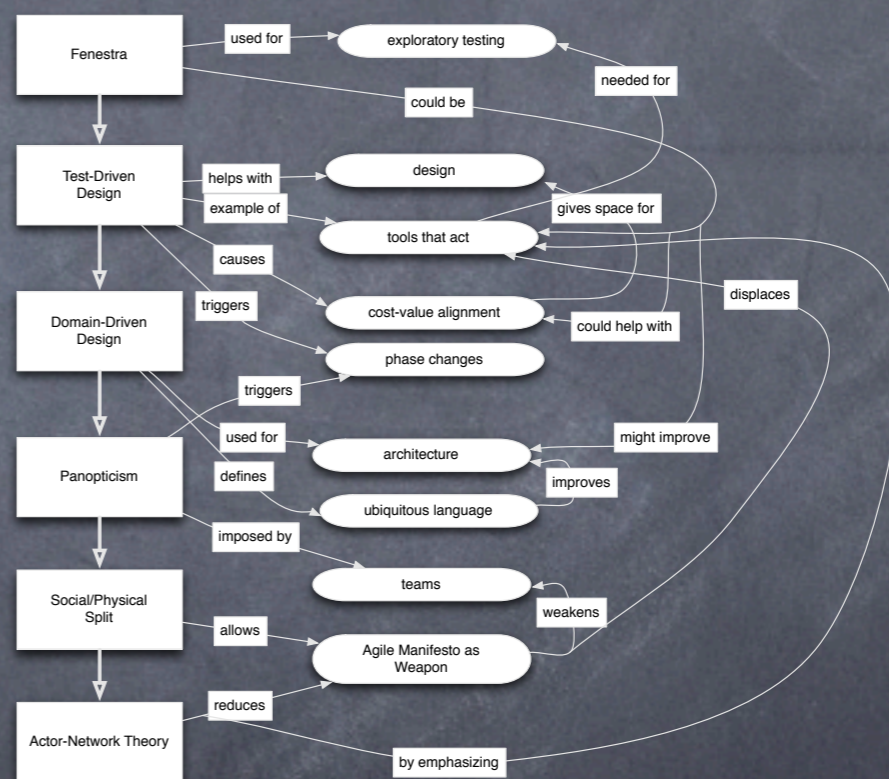


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Low Coupling High Cohesion

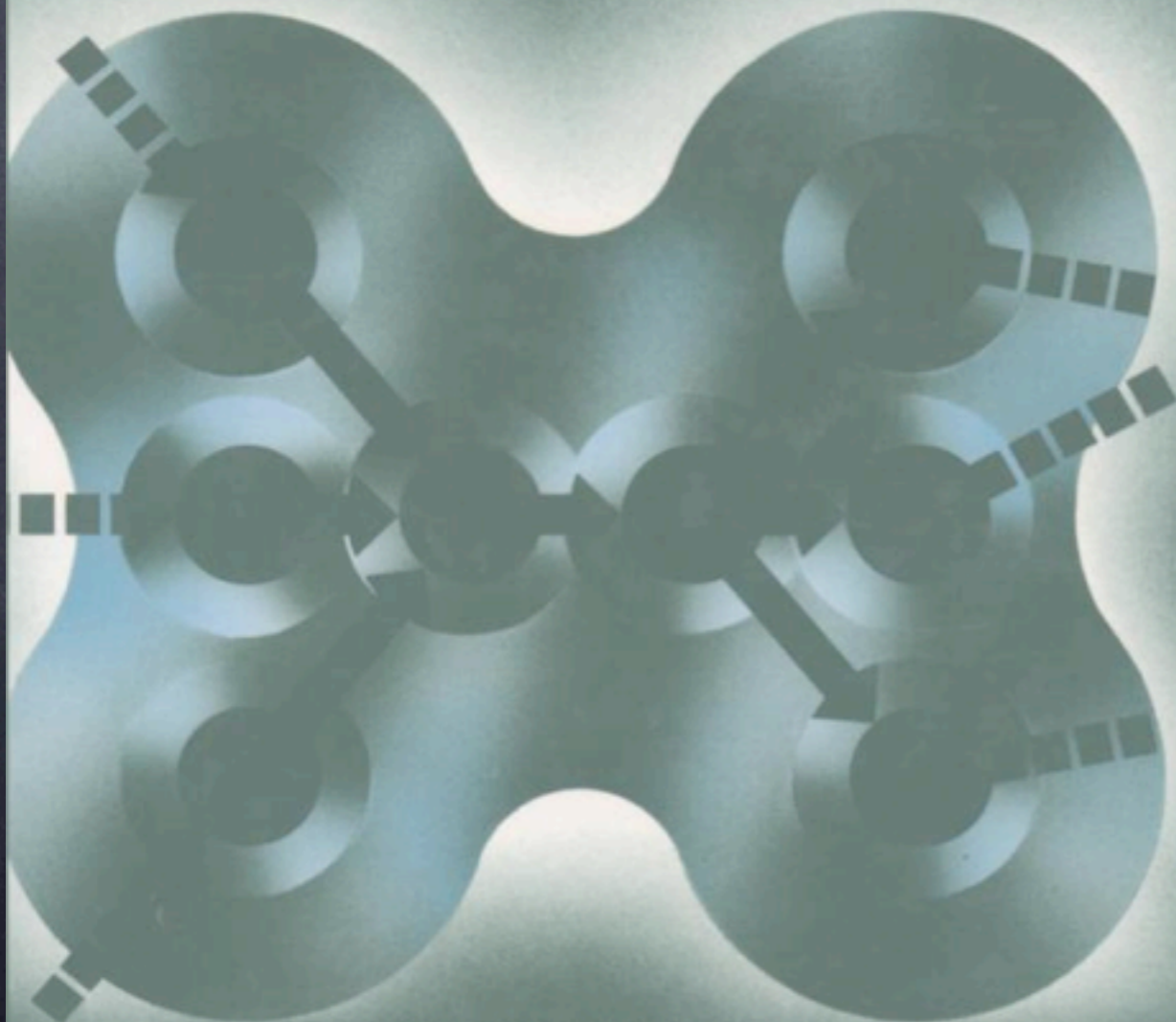


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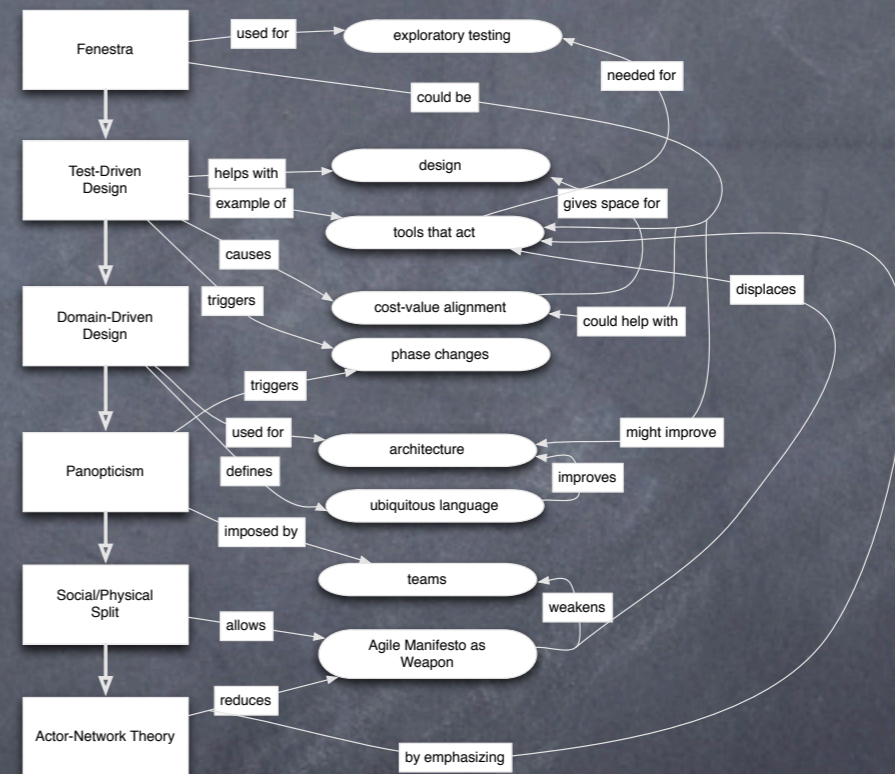
Fundamentals of a Discipline of Computer Program and Systems Design

Edward Yourdon/Larry L. Constantine



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Low Coupling High Cohesion

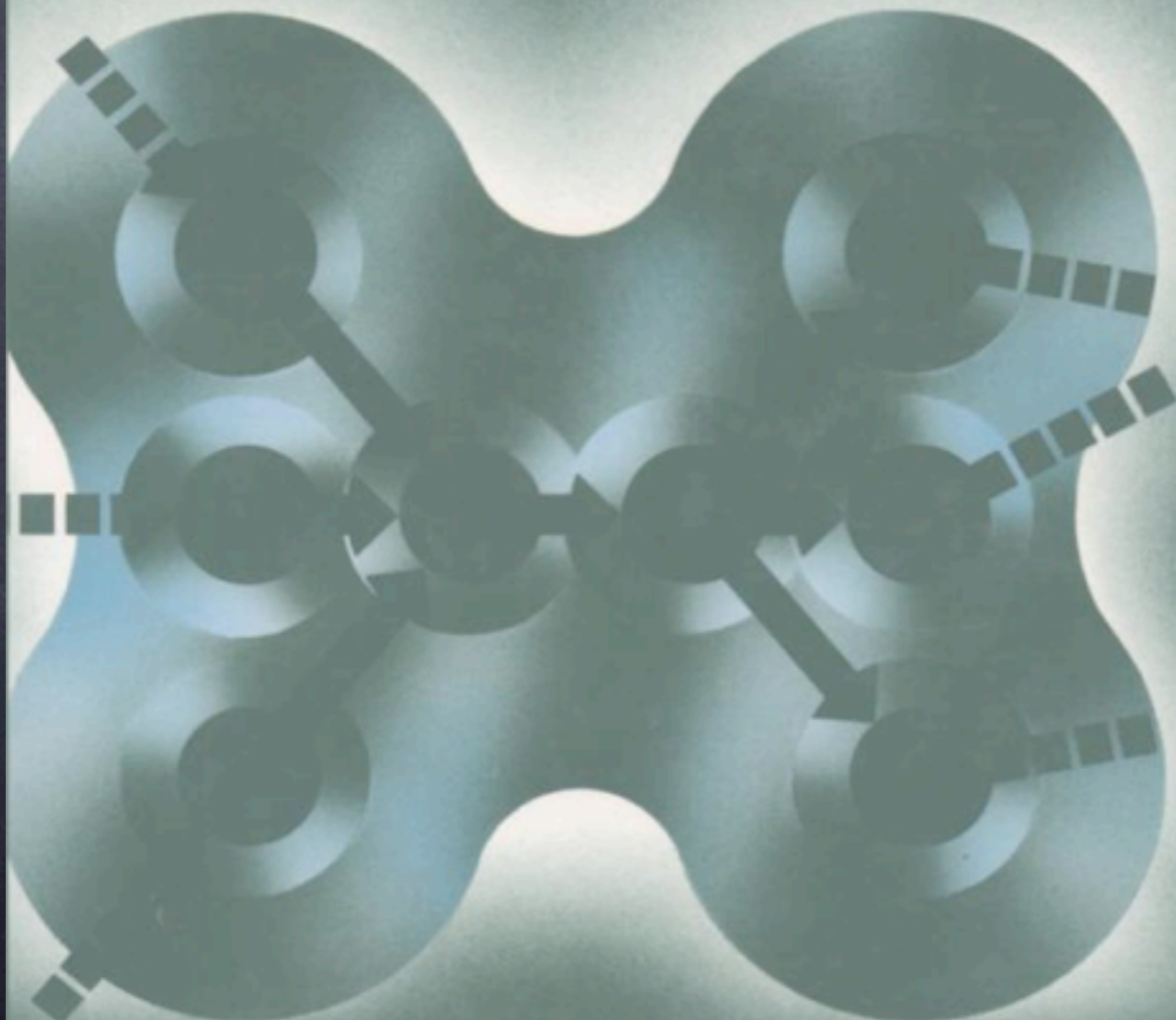




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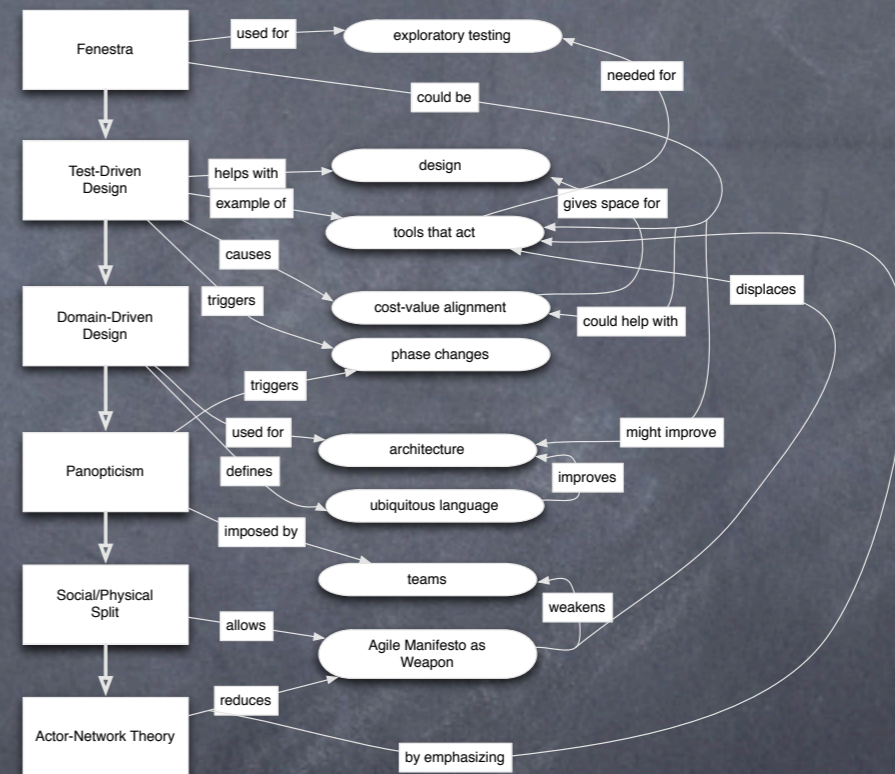
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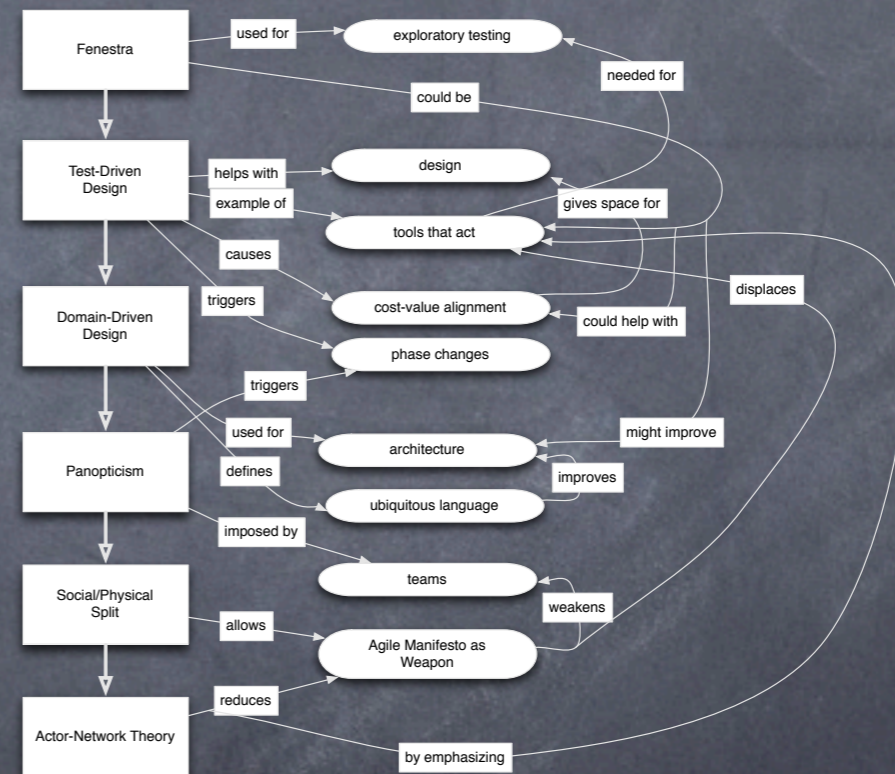
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Low Coupling High Cohesion



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Low Coupling High Cohesion

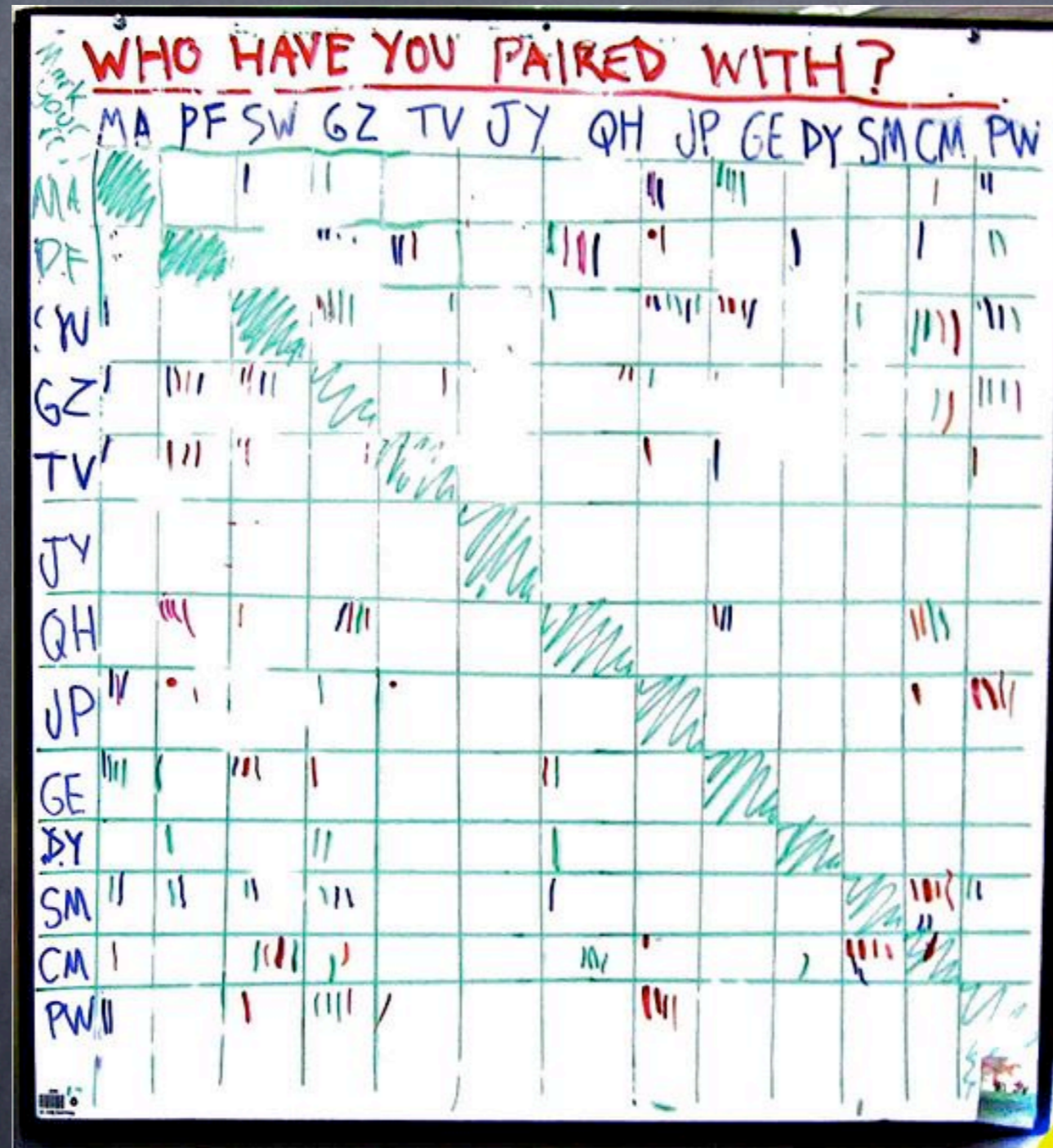


TDD Aligns
Short-Term Cost and
Short-Term Value

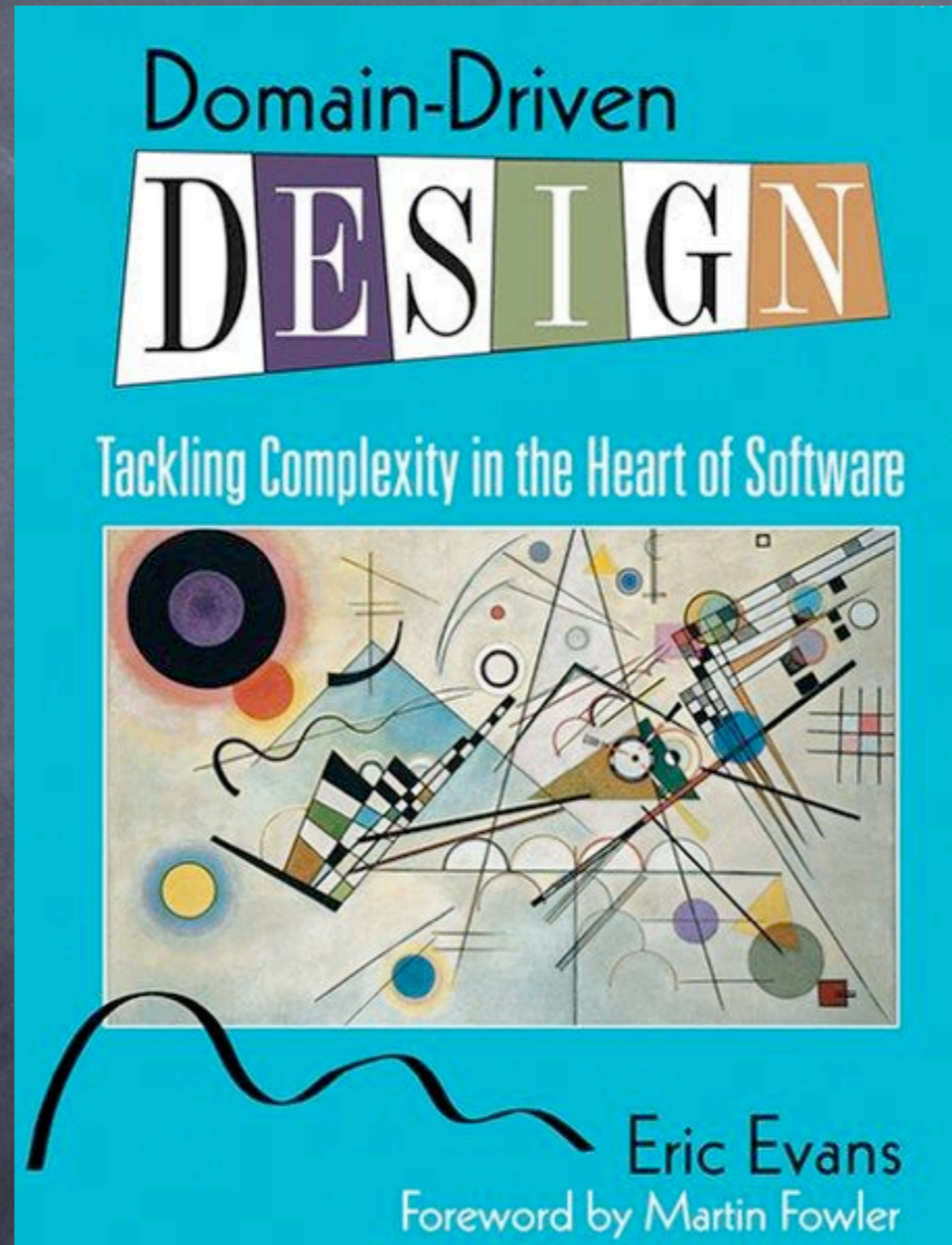
It Feels Like a Phase Change

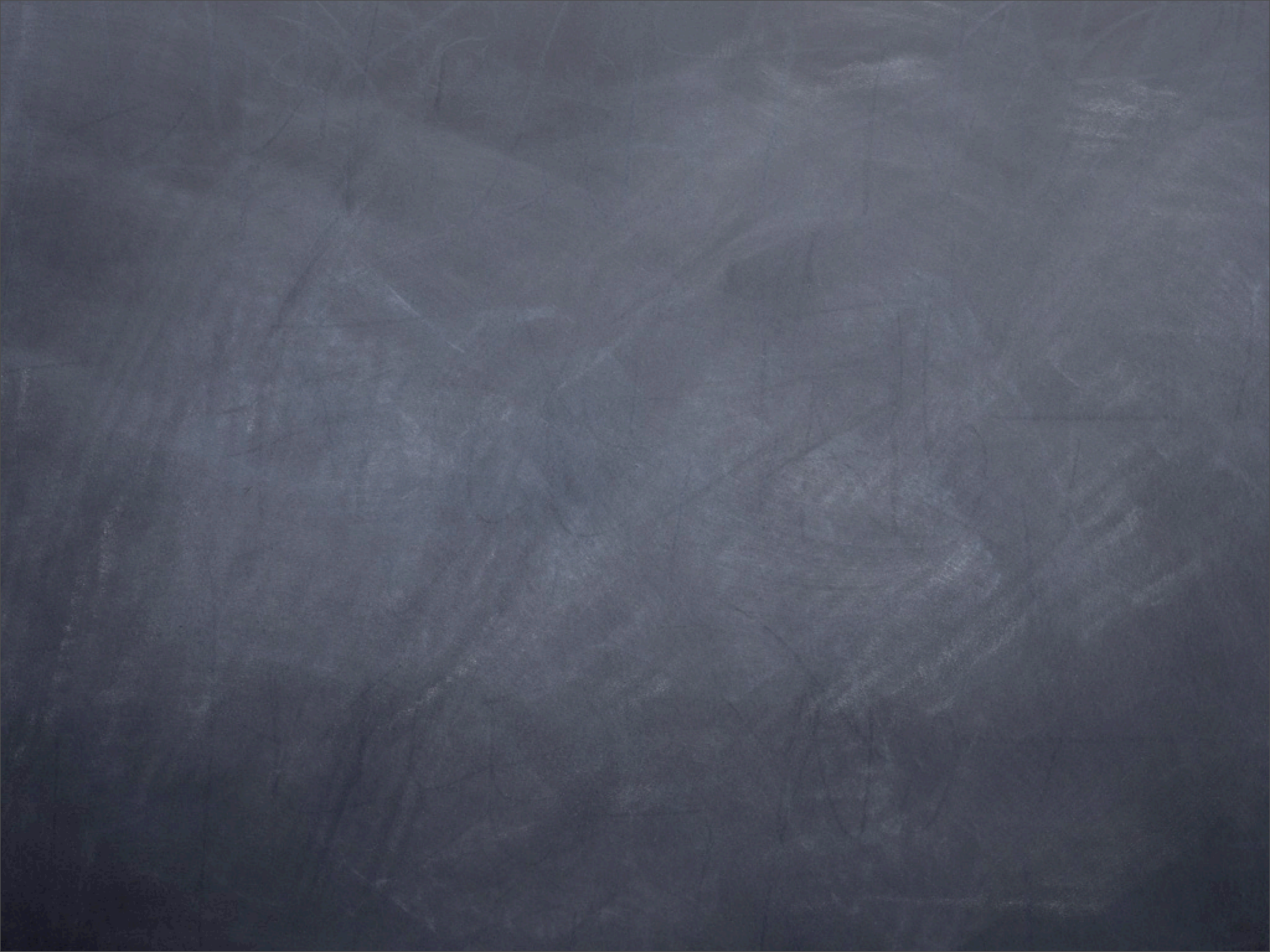


Project Life Is Full of Potential Phase Changes



A D Beyond TDD





... exercise the language
relentlessly ...

... iron out difficulties ...

... object to terms that
are awkward...

... watch for ambiguity ...

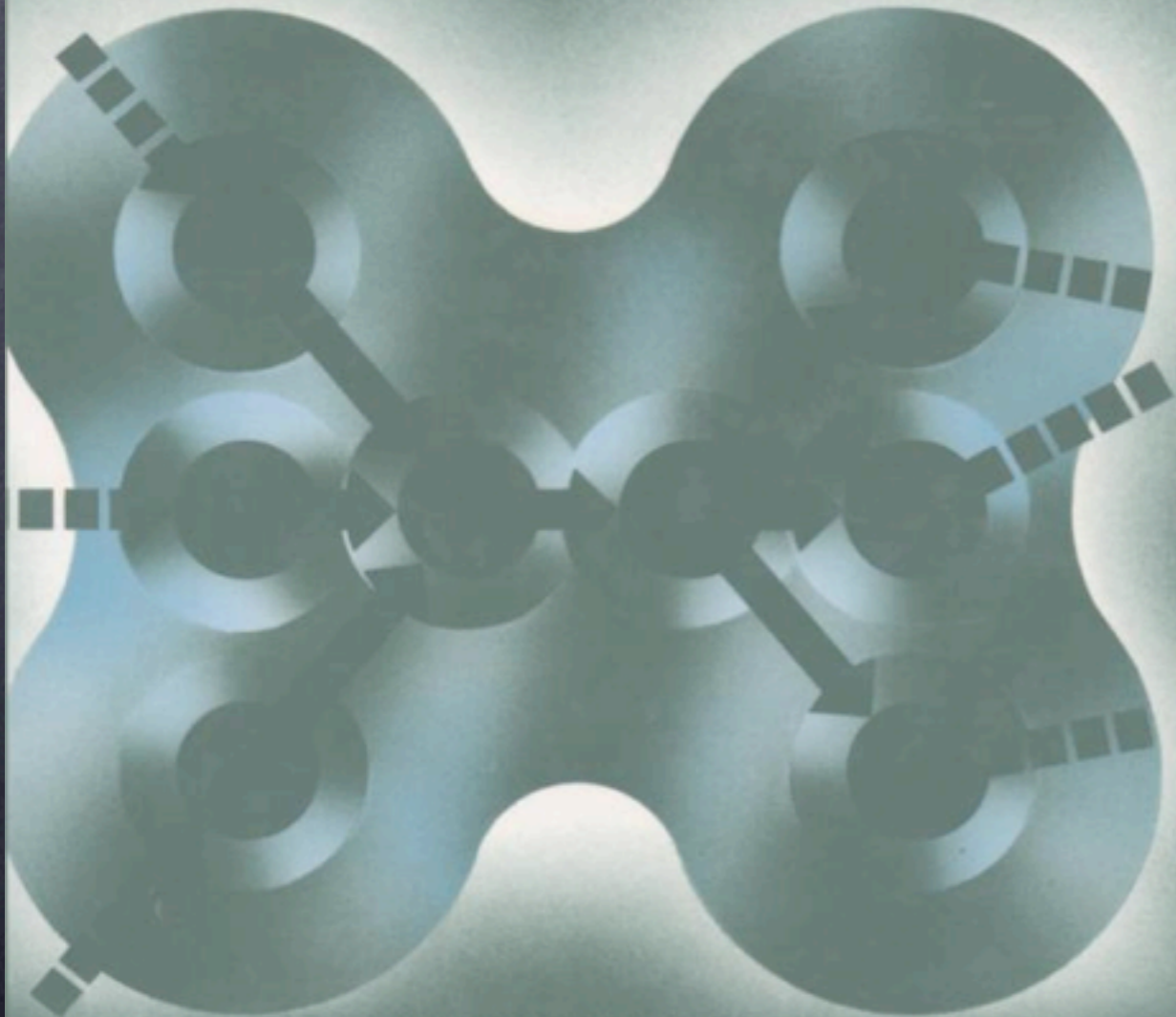


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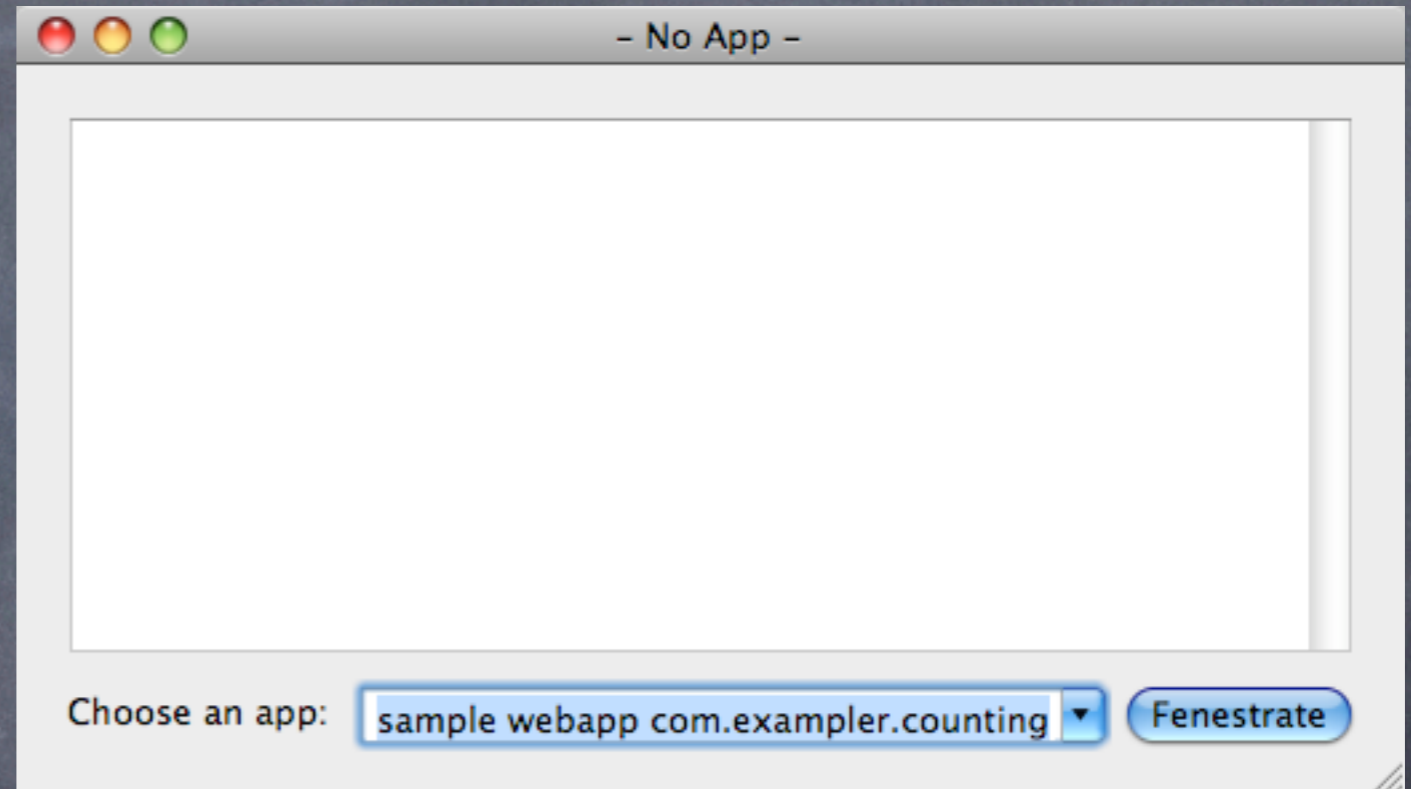
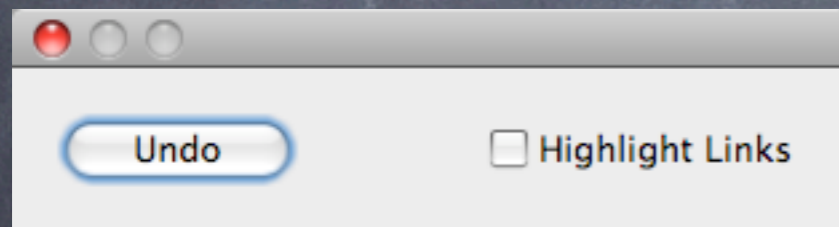
... iron out difficulties ...

... object to terms that
are awkward...

... watch for ambiguity ...

To the Rescue!

(a bit)

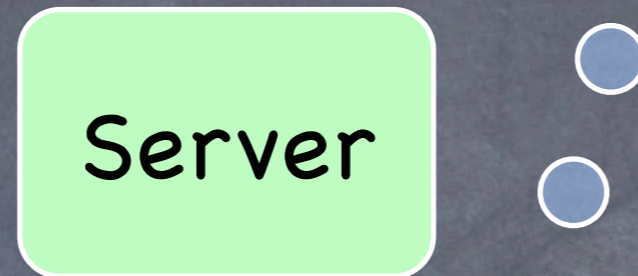


A Change in Architecture

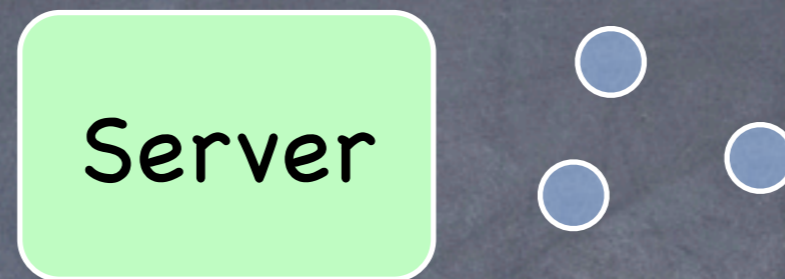


Server

A Change in Architecture



A Change in Architecture



A Change in Architecture



Server

A Change in Architecture



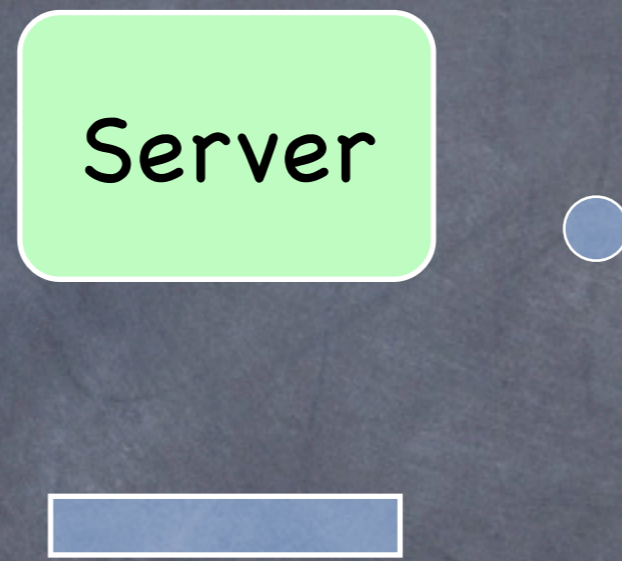
Server

A Change in Architecture

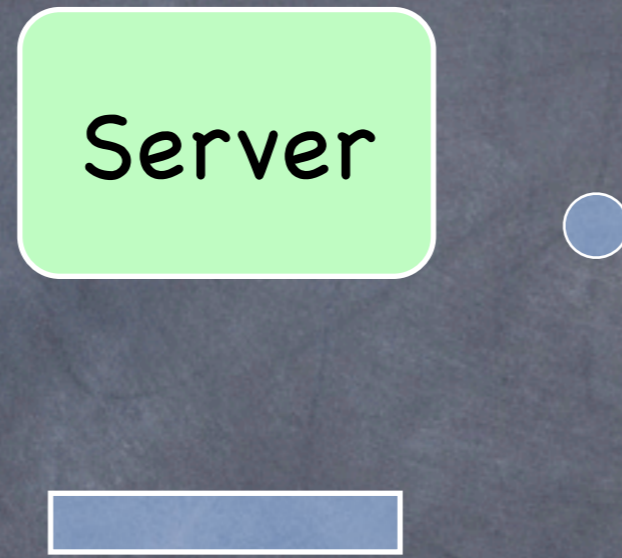
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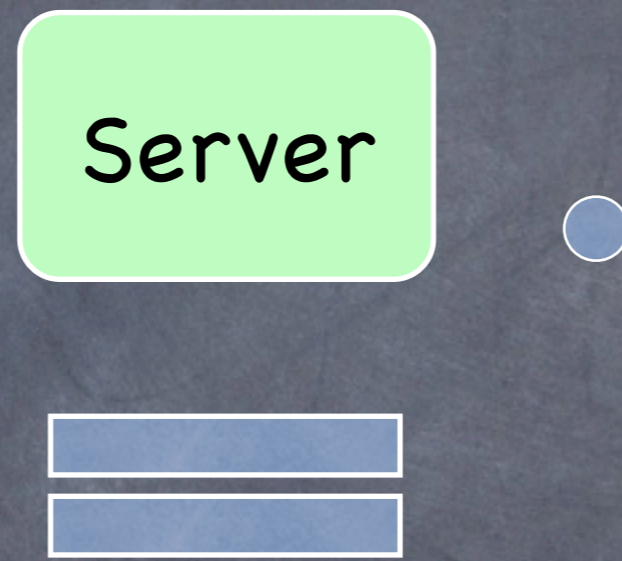
A Change in Architecture



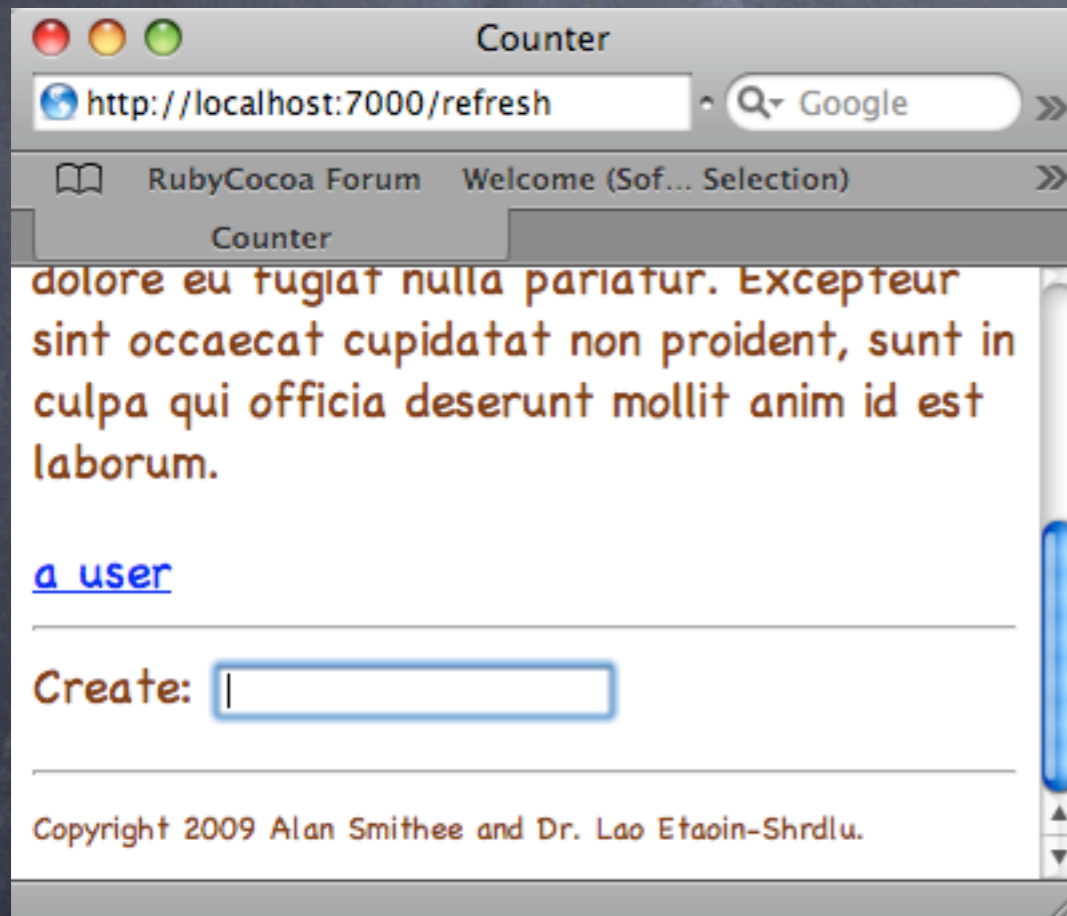
A Change in Architecture



A Change in Architecture



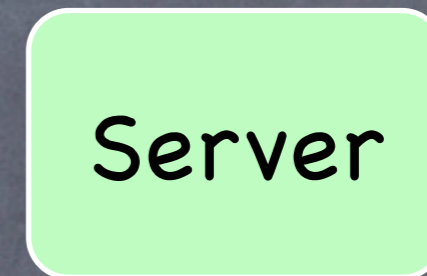
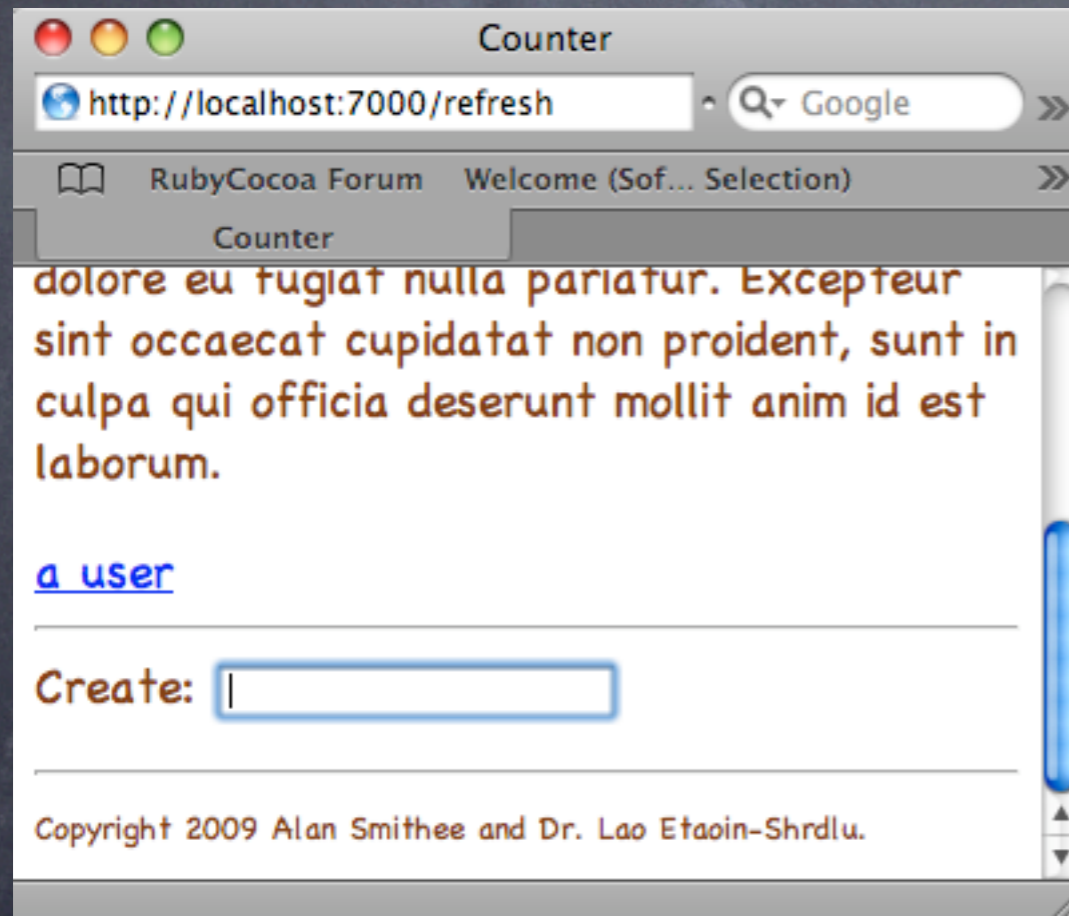
A Match in Language



Server

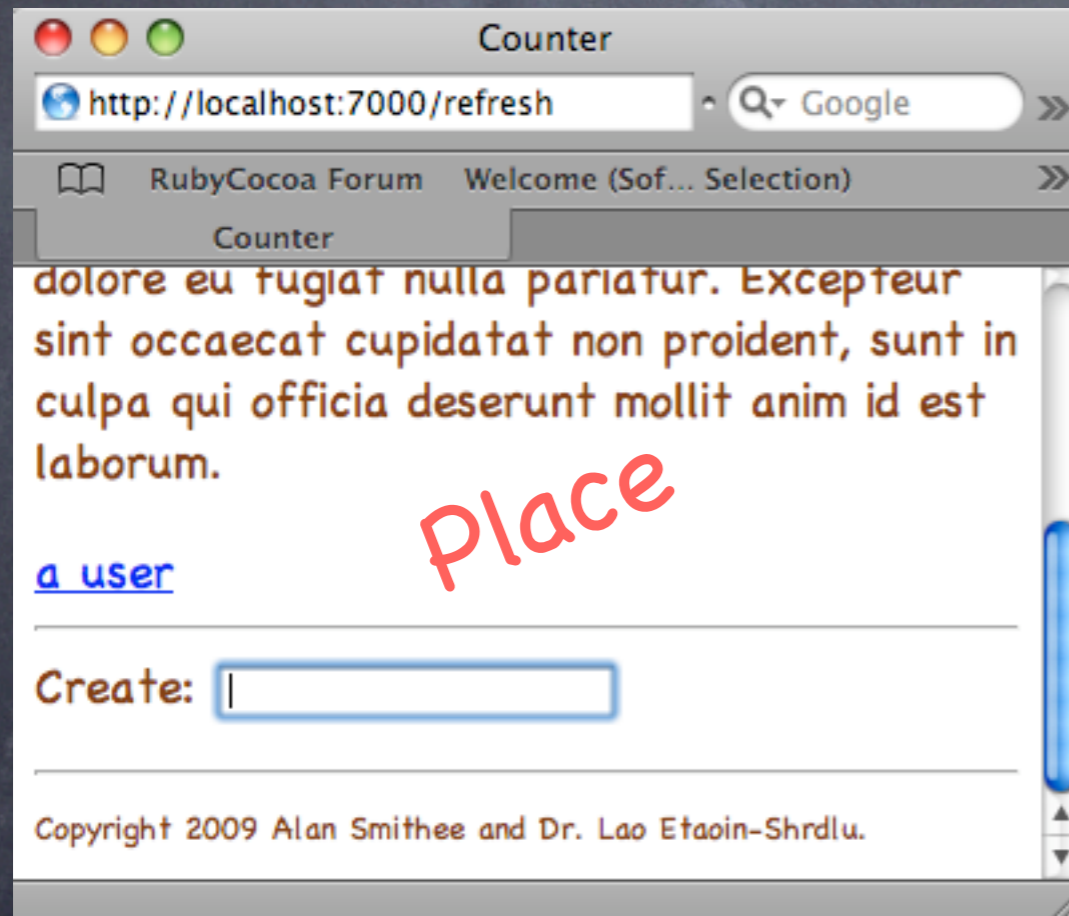


A Match in Language



Domain Events

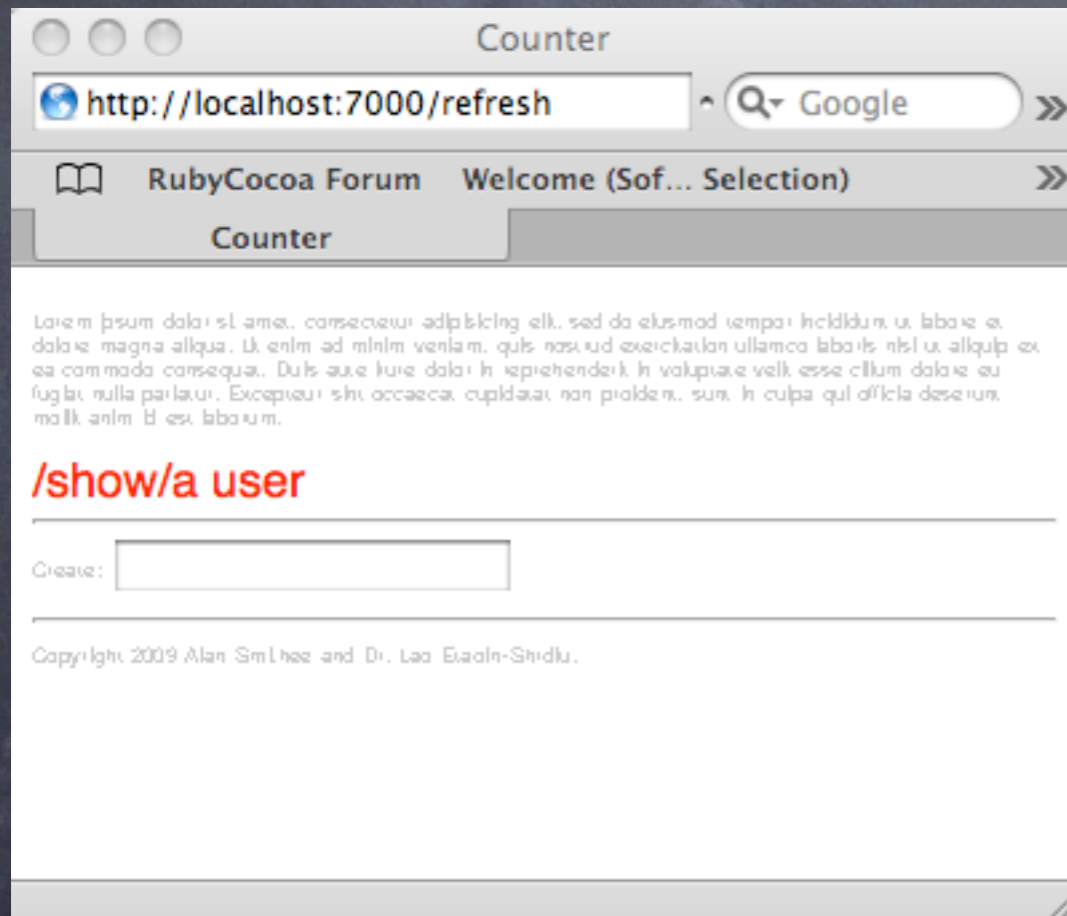
A Match in Language



Server

Domain Events

A Match in Language



Server

Domain Events

A Match in Language



Server

Domain Events

Languages

- ... of the domain expert
- ... of the programmer

Languages

VISIBLE

- ... of the domain expert
- ... of the programmer

Languages

VISIBLE

• of the domain expert

NOT VISIBLE

• of the programmer

Languages

VISIBLE

• ... of the domain expert

NOT VISIBLE

• ... of the programmer

• ... of the exploratory tester

Wait – Something Actionable

- Unit-duration action
- No bug should be hard to find the second time

Consensual Panopticism

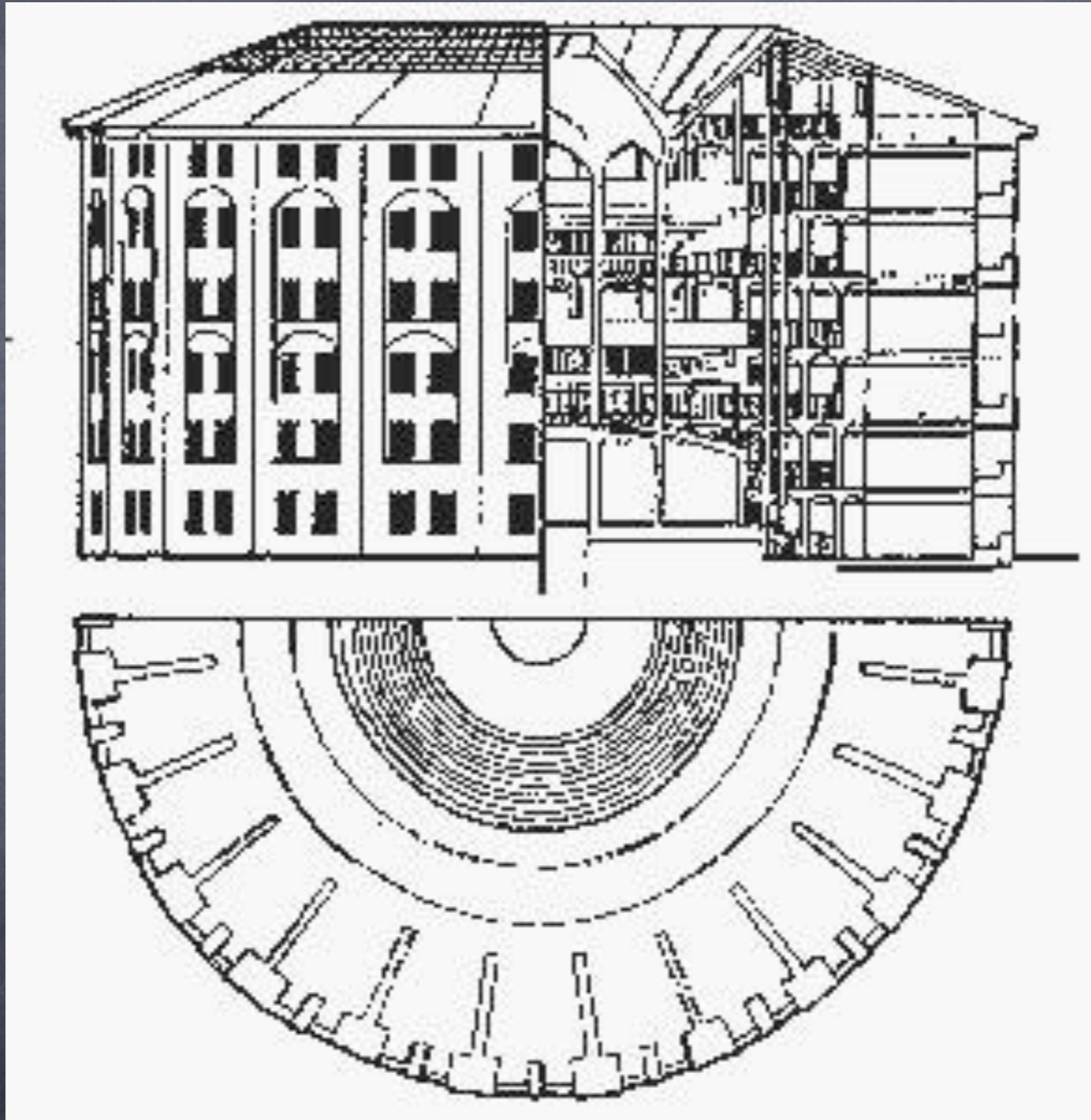
Consensual Panopticism in Software Development

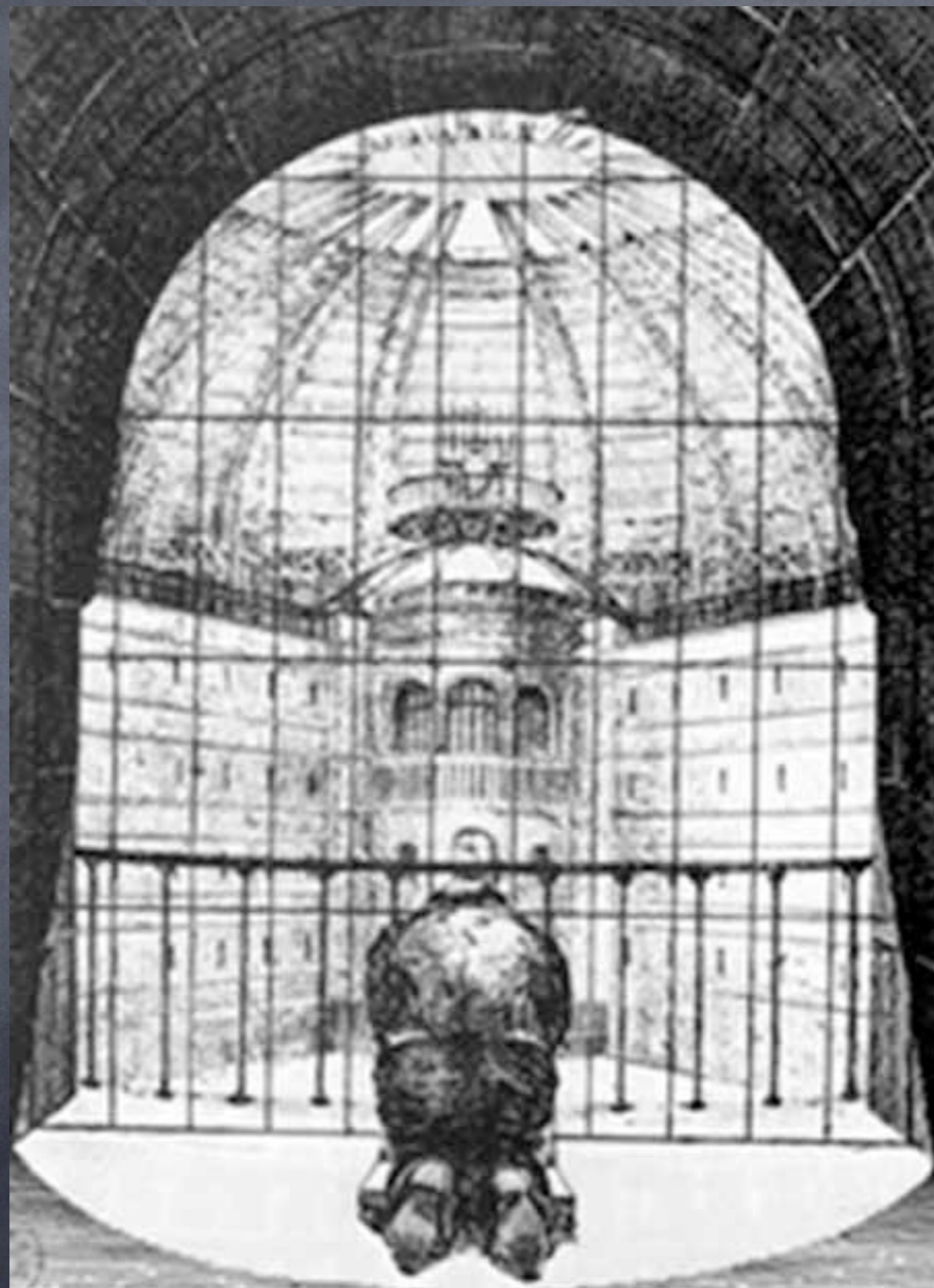
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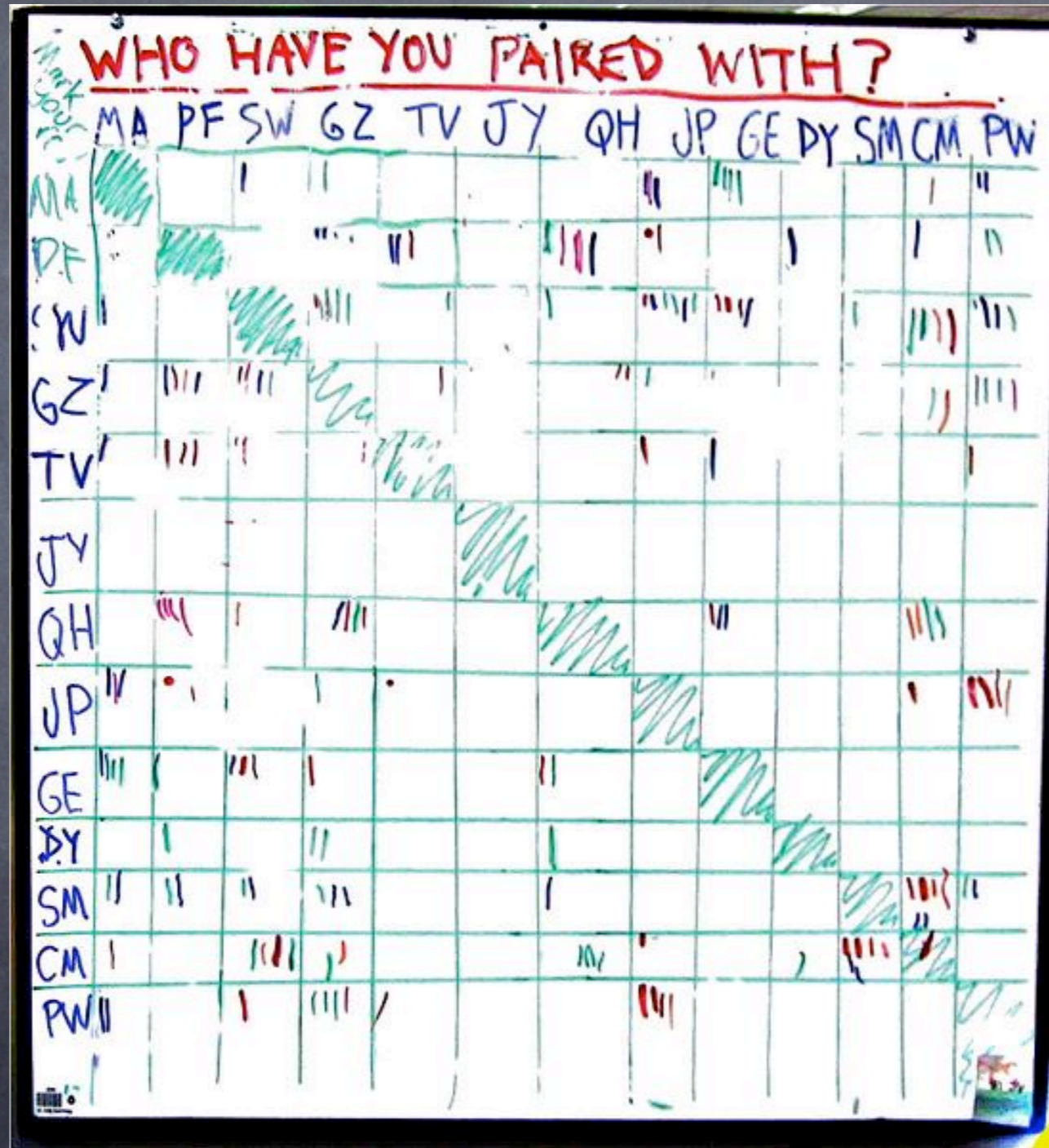
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- Bentham: remake a criminal into a citizen
- Foucault: "creation of the subject"
 - We grew up being molded by the dispassionate observation of others
 - It's what we are in this era

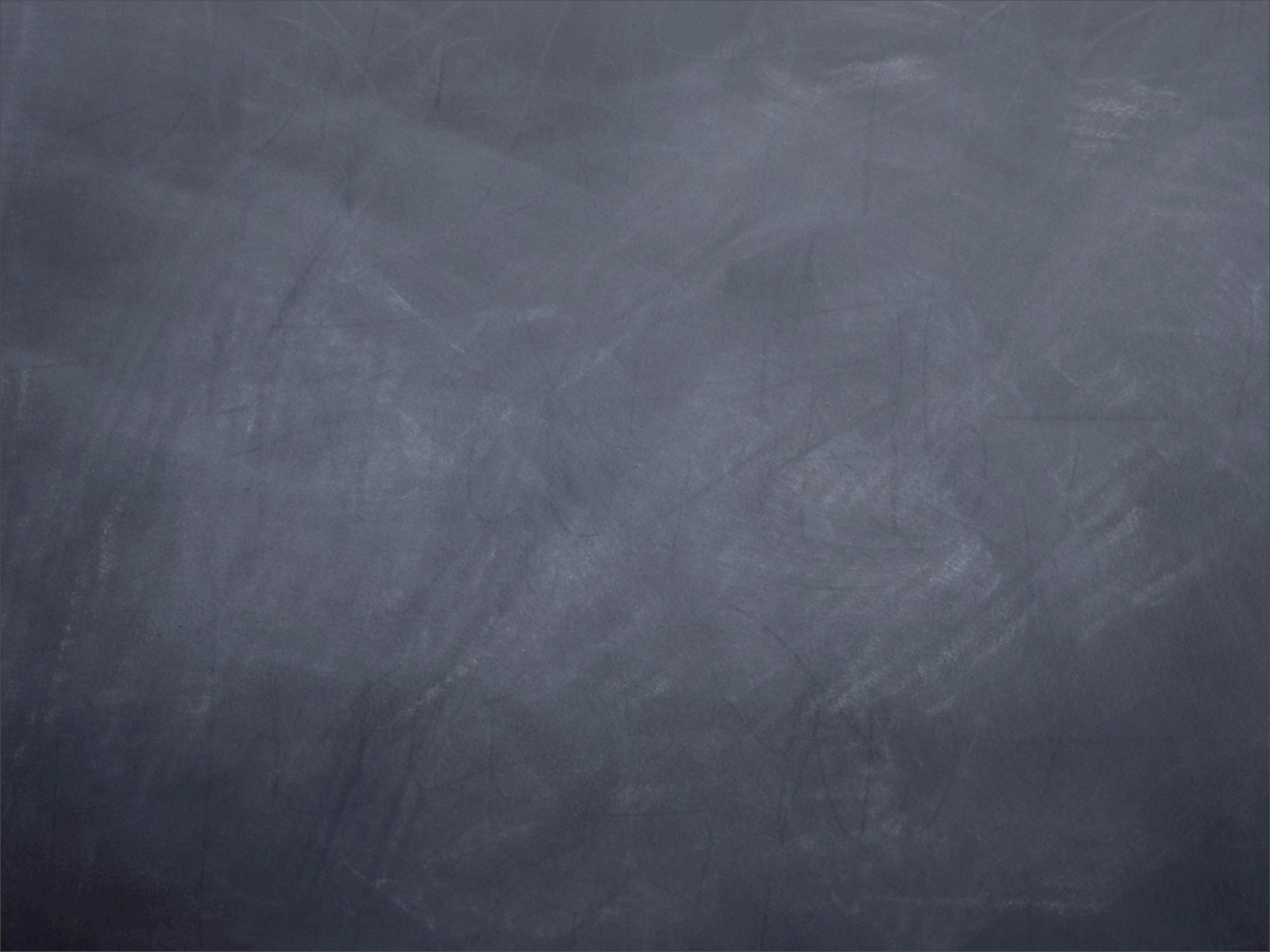
Panopticising Ourselves



And Who Is "Ourselves"?

"I think the code is trying to tell us something..." – Kent Beck

"Code speaks to programmers just as wood does to carpenters." – Keith Braithwaite



Individuals



Individuals



Interactions



Individuals



Processes
Tools

Interactions



Individuals



Processes
Tools
Code

Interactions



Individuals



Interactions



Actor–Network Theory



Things Replace Social Effort



mymoratorium.wordpress.com/



www.bayouhighlands.com

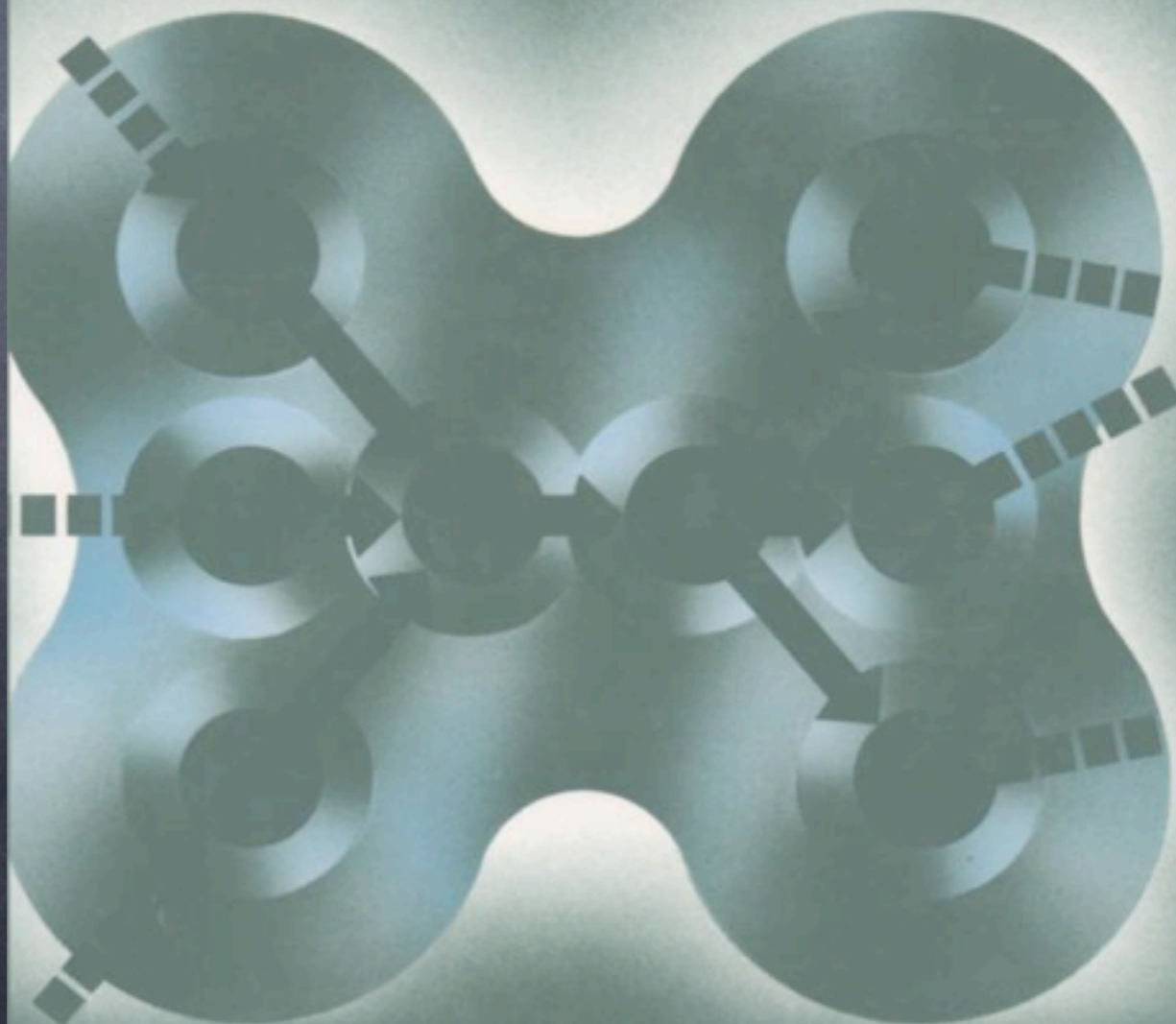


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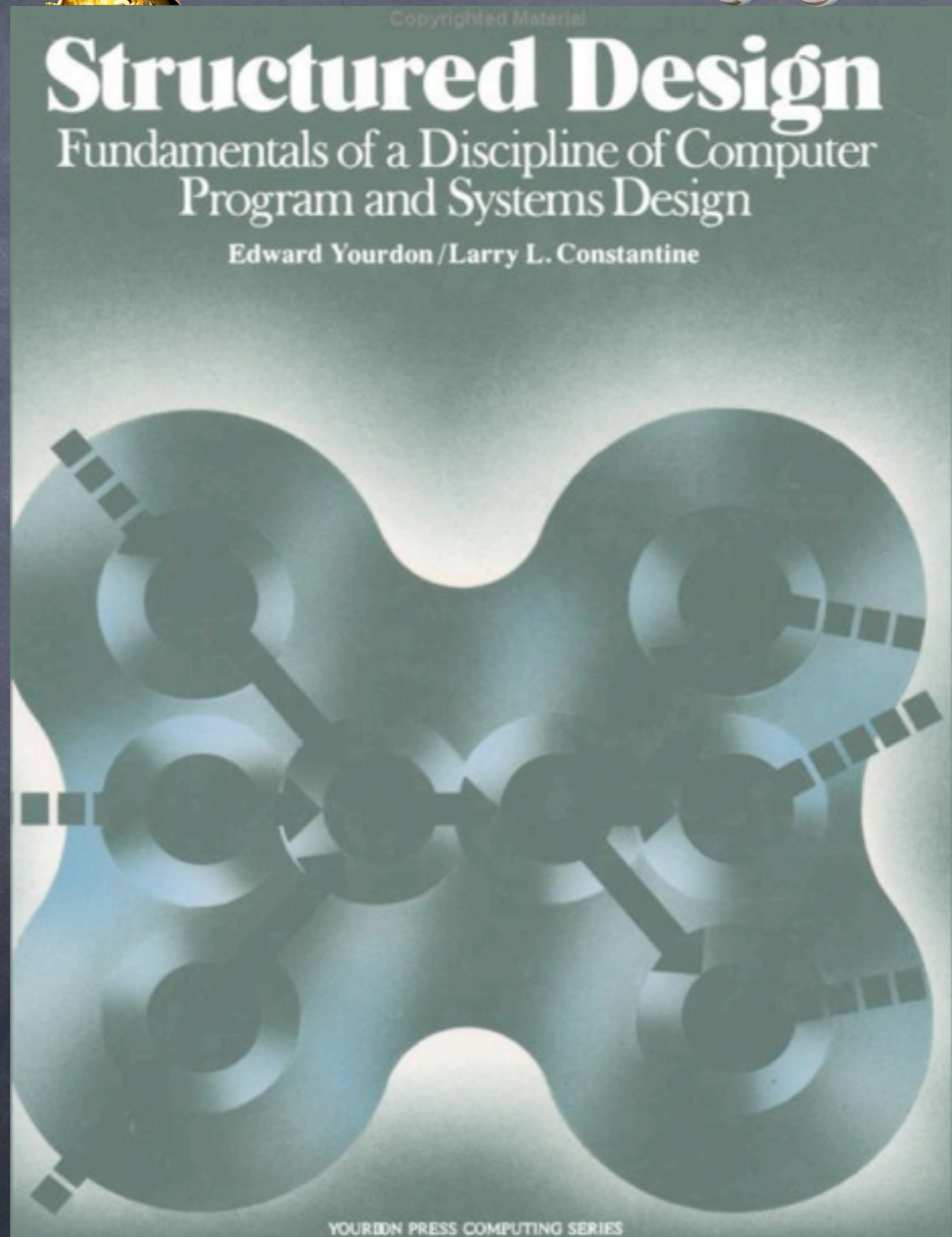
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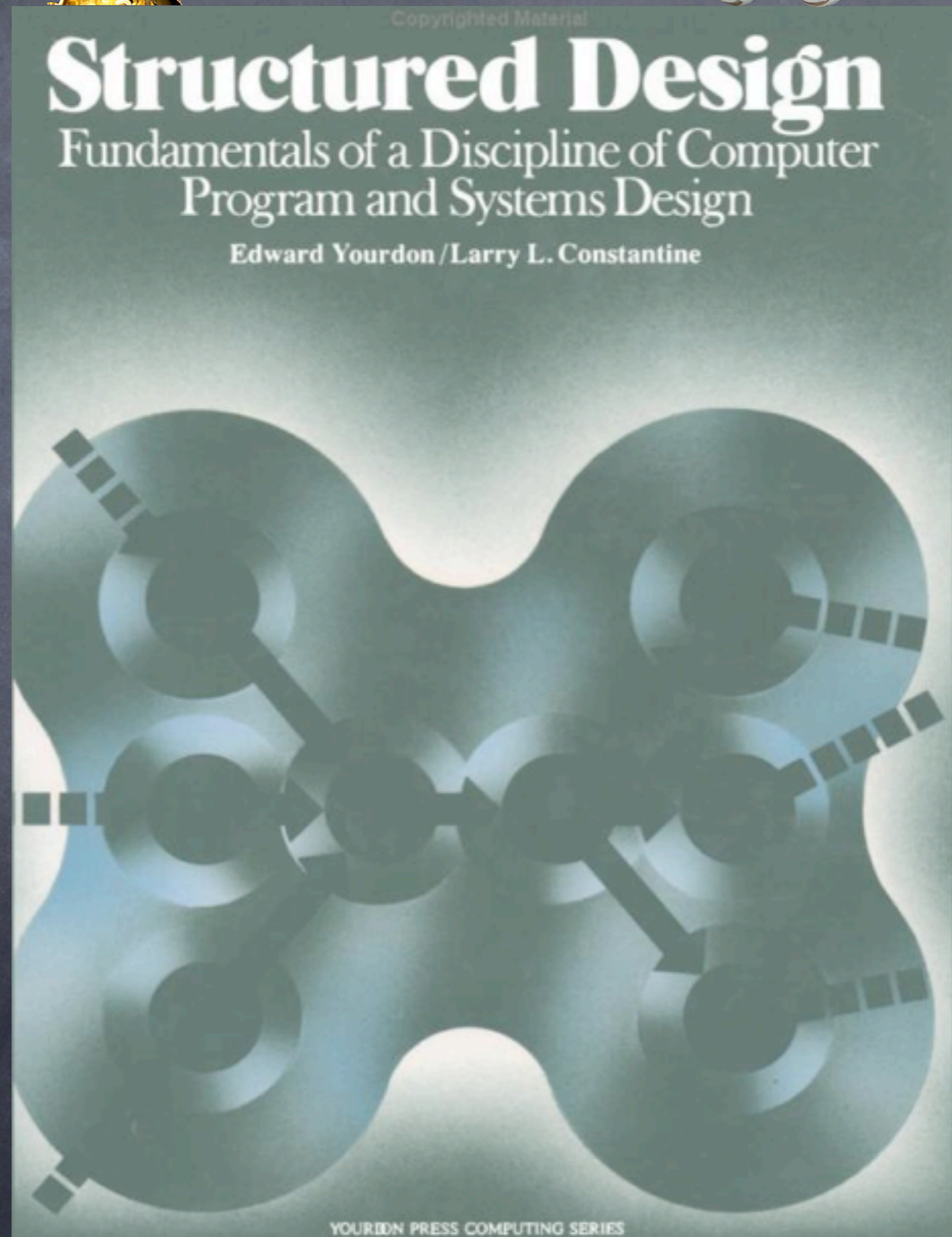
Individuals



Interactions



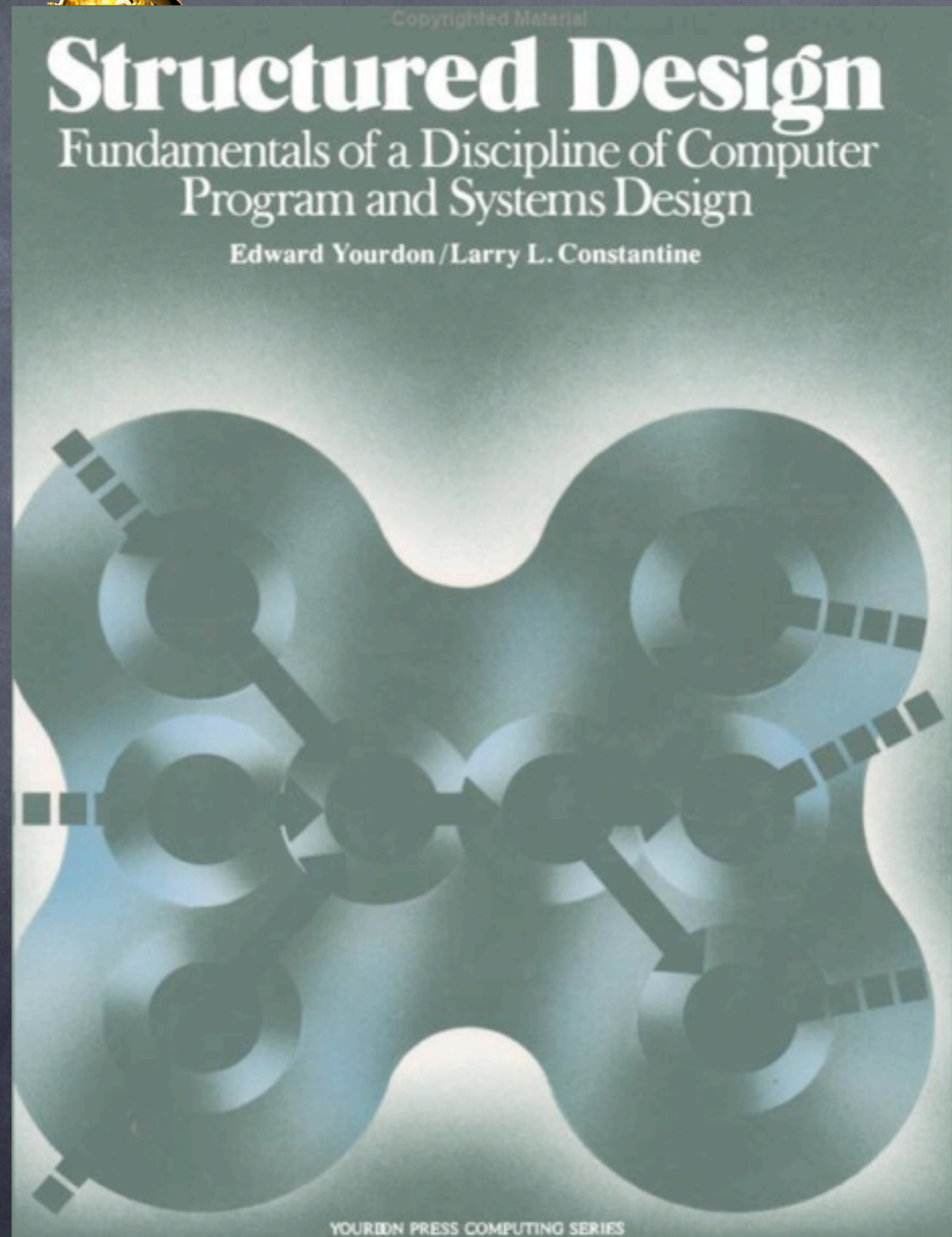
Individuals



Interactions



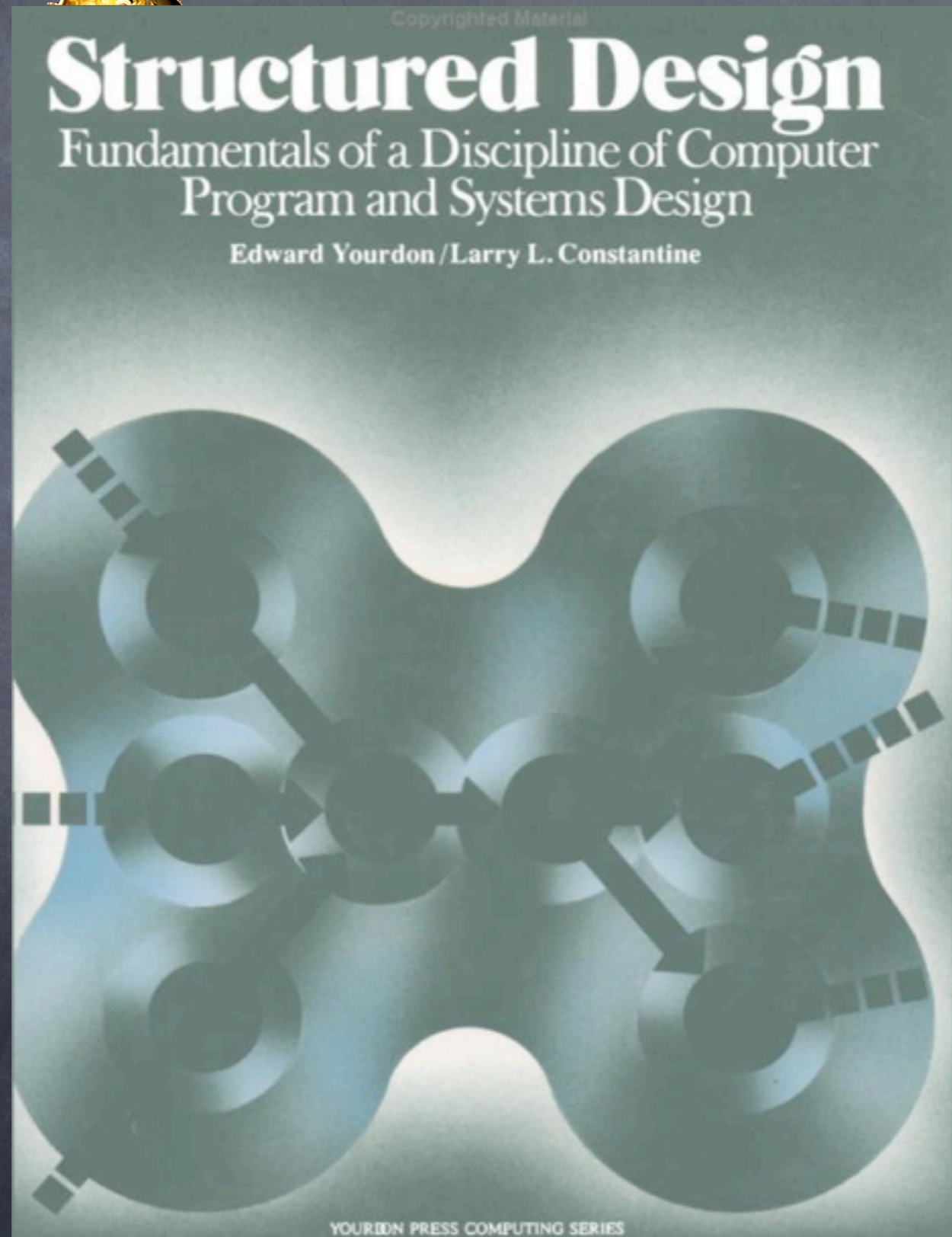
TDD

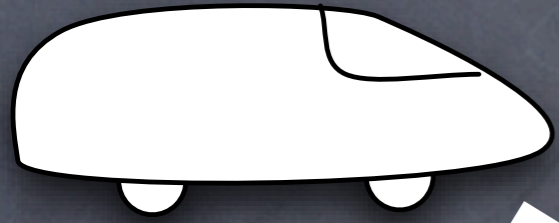


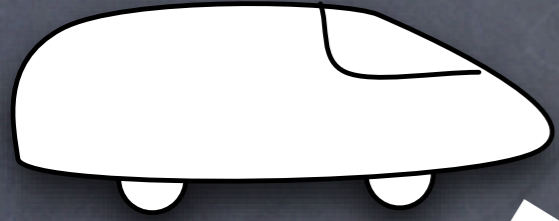
Interactions



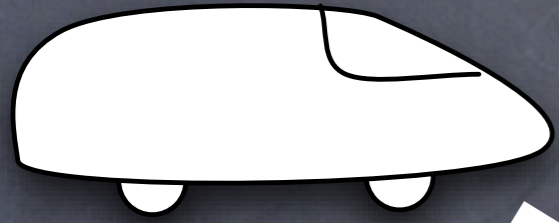
TDD Tools



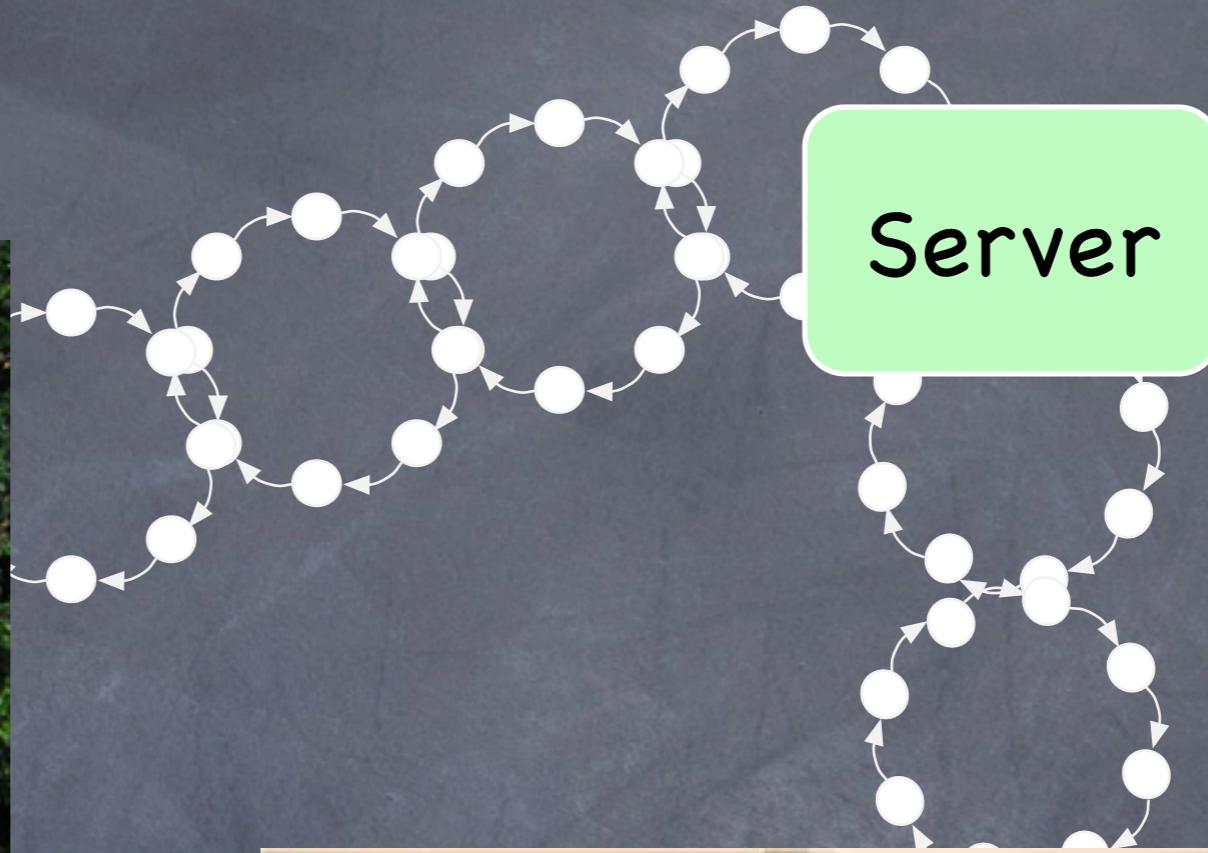




Neighborhood







Action Items

- Move toward ubiquitous language
- Foucault: Discipline and Punish
- ANT: <http://www.exampler.com/blog/2007/11/06/latour-table-of-contents/>
- Workshop in Paris...