A Better Application Structure

Feature Focused
Who am I?

Ryan Cromwell

- Coder
- Agile Coach
- Scrum.org Trainer
travel + twins = crazy person
where would you go to...

update the search algorithm?

add favorite products?

one click checkout

only show in-stock products?
omg!

My mouse was crying...

I don’t even like my mouse.
architecture rant

bit.ly/unclebobarch
bit.ly/screamarch
What you hear about
- Single Responsibility
- Open/Closed
- Liskov Substitution
- Interface Segregation
- Dependency Inversion

Forgotten
- Release Reuse
- Common Closure
- Common Reuse
- Acyclic Dependencies
- Stable Dependencies
- Stable Abstractions
Classes that change together are packaged together.

http://bit.ly/PrincOOD
Context

- Air Force
- Old: Thick Client
- New: Single Page App
- HTML5(ish) + Javascript
- Java

Feature Themes

- Tasking
- Chat (XMPP)
Why call them modules?

Still a lot of noise
Drill into chat feature
other effects

- Conventions Within Features
- Responsibility Violations Obvious
- Ramp up
- Small, Simple Interfeature Collaboration

“Ah consistency, the path to simplicity and the bane of innovation. Choose wisely” ~ me, on twitter
what’s next?

• Server + Client side-by-side (i.e. Controllers)
• CSS/images
• Requirejs + unit testing = painful
• Frameworks/Tooling
thanks!

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