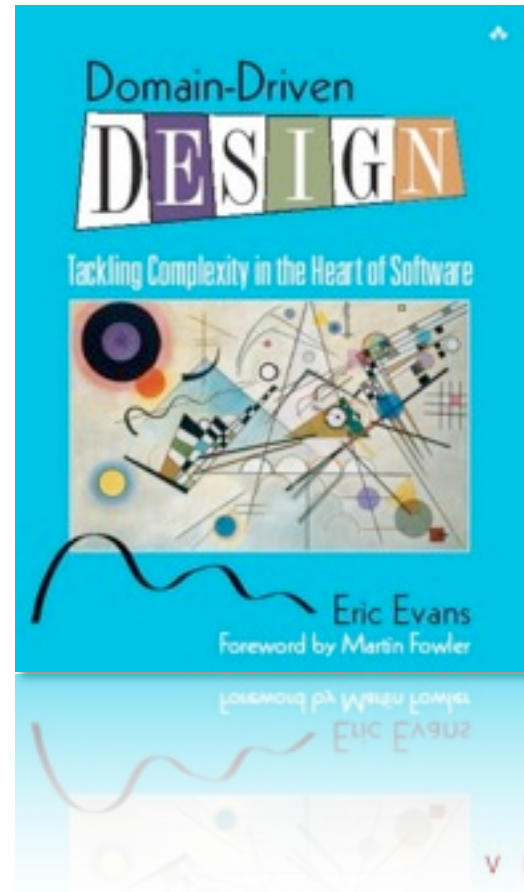


# Using DDD Patterns for Supple Design



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# Modeling a Domain

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Main body of handwritten text in a cursive script, densely packed and covering most of the page.

Bottom section of the page containing handwritten text, possibly a summary or a specific section of the document.

# Ubiquitous Language

**What is a  
“Claim?”**

# Meaning from Context



# Bounded Context

Given I have a active Contract with an amount of \$100,

When I adjudicate a Claim for \$79

Then the Claim should be approved

Given I have an active Contract with an amount of \$100,

When I adjudicate a Claim for \$81

Then the Claim should be denied

Given I have an pending Contract,

When I adjudicate a Claim

Then the Claim should be denied

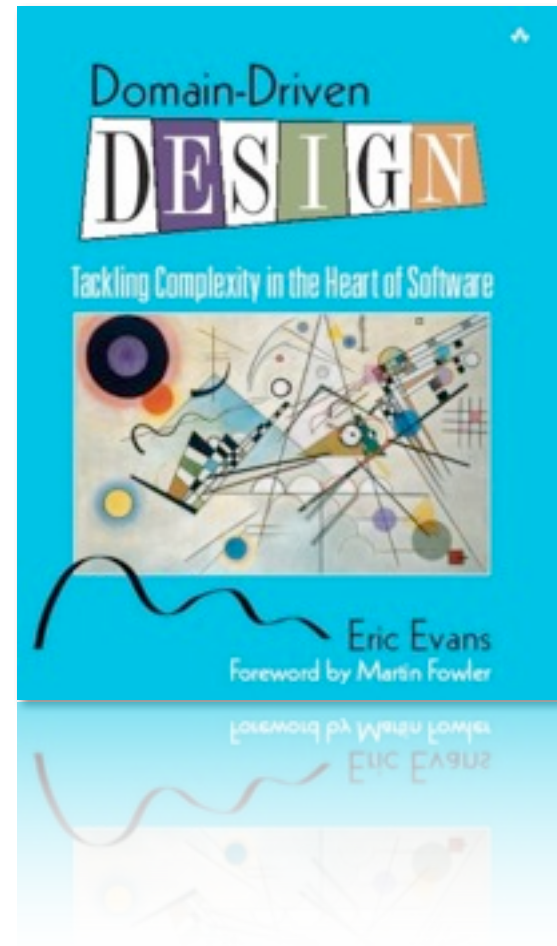
Given I have an expired Contract,

When I adjudicate a Claim

Then the Claim should be denied

# Reference Scenarios

# What is DDD...?



**Domain-Driven Design is not a technology or a methodology.**

**It's a set of principles and patterns for focusing design effort where it matters most.**

# Strategic DDD

Patterns for strategically  
managing the many models  
supporting your domain

# Tactical DDD

Patterns for modeling,  
creative collaboration and  
supple software design

# Entities

Focus on identity  
and lifecycle

# Value Objects

**Immutable**

# Value Objects

Immutable  
**Behavior-rich**

# Value Objects

Immutable  
Behavior-rich

Extract business concepts  
from entities

# Side-Effect-Free Functions

# Closure of Operations

# Thank You...



domain language



V I R T U A L G E N I U S

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# Questions



# References

- Inertia forces model: [http://www.codecogs.com/reference/engineering/machines/inertia\\_forces\\_and\\_couples.php](http://www.codecogs.com/reference/engineering/machines/inertia_forces_and_couples.php)
- Rosetta Stone: [http://en.wikipedia.org/wiki/Rosetta\\_stone](http://en.wikipedia.org/wiki/Rosetta_stone)
- Mississippi floodwaters - <http://www.theatlantic.com/infocus/2011/05/mississippi-floodwaters-roll-south/100069/>