

QCon London

6.th International
Software Development

Conference 2012

Training : March 5 - 6 // Conference : March 7 - 9



Modelling in a Cold Climate

Andrew Stewart





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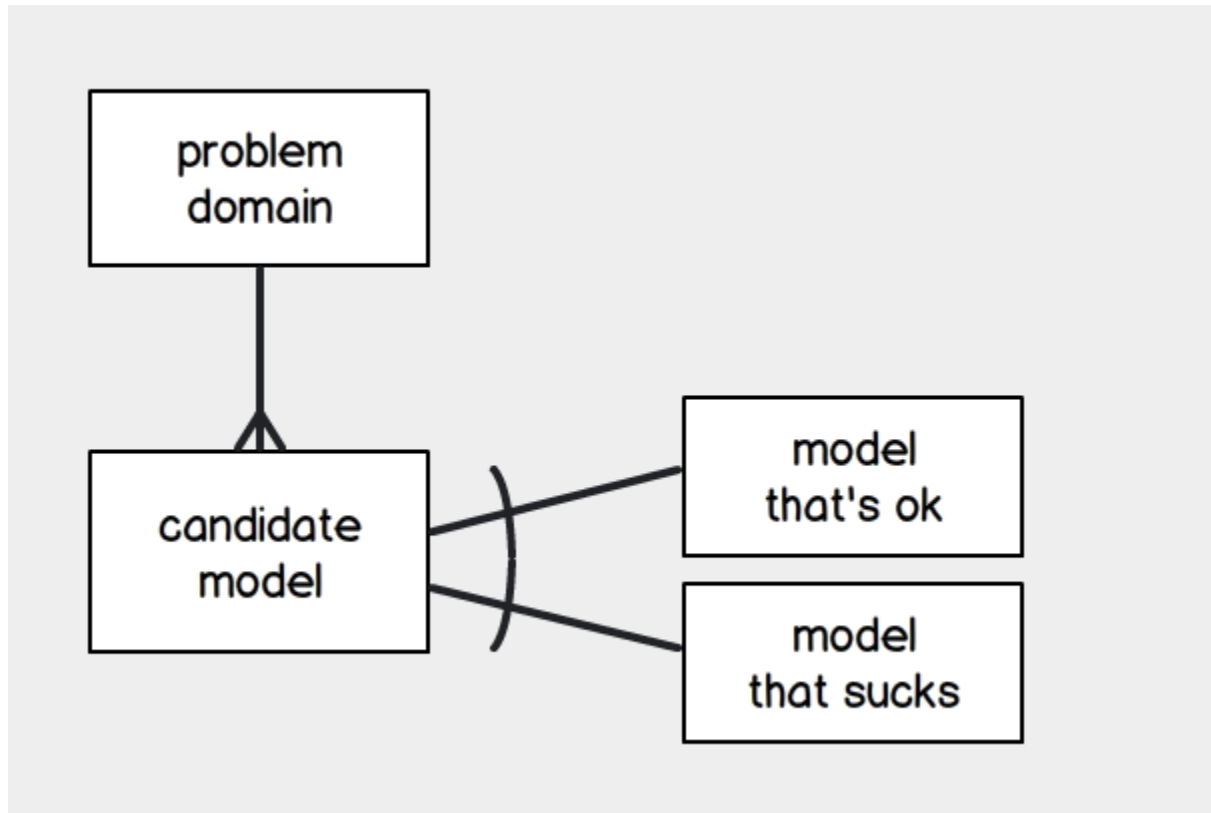
Modelling in a Cold Climate

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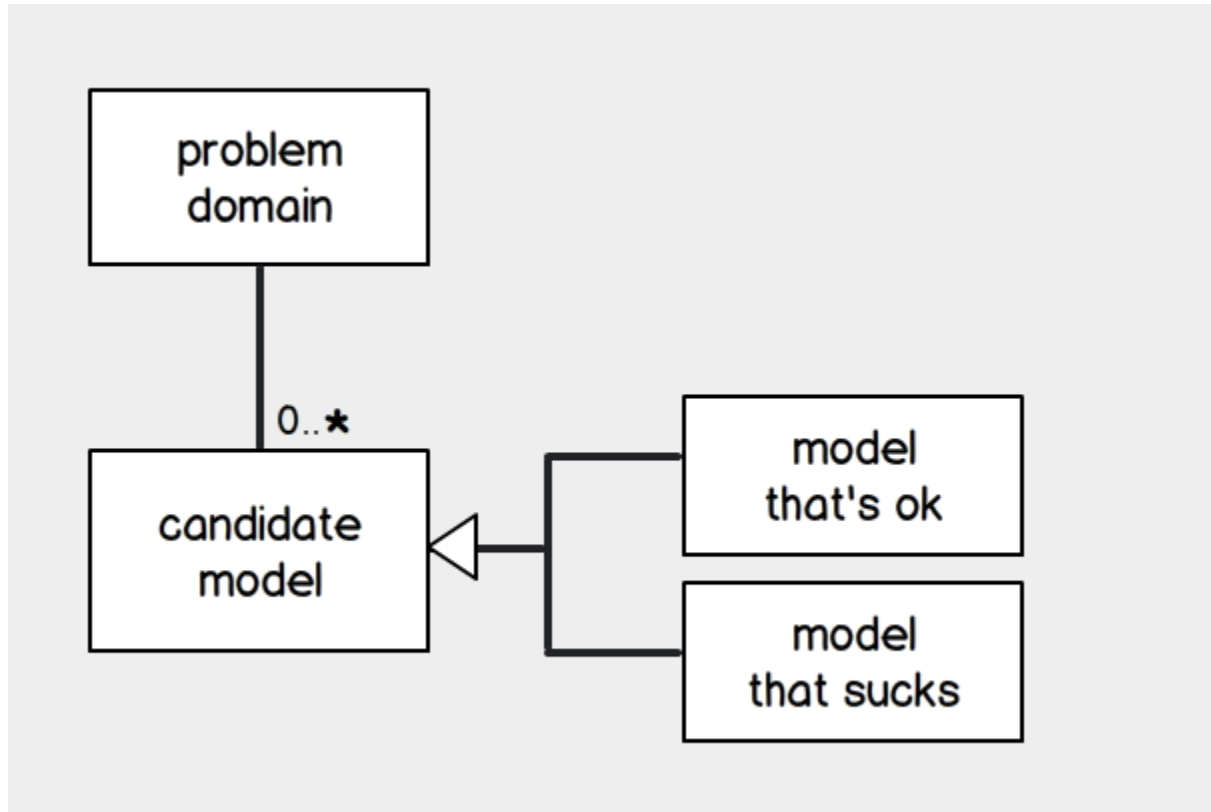


Nano-Case Study

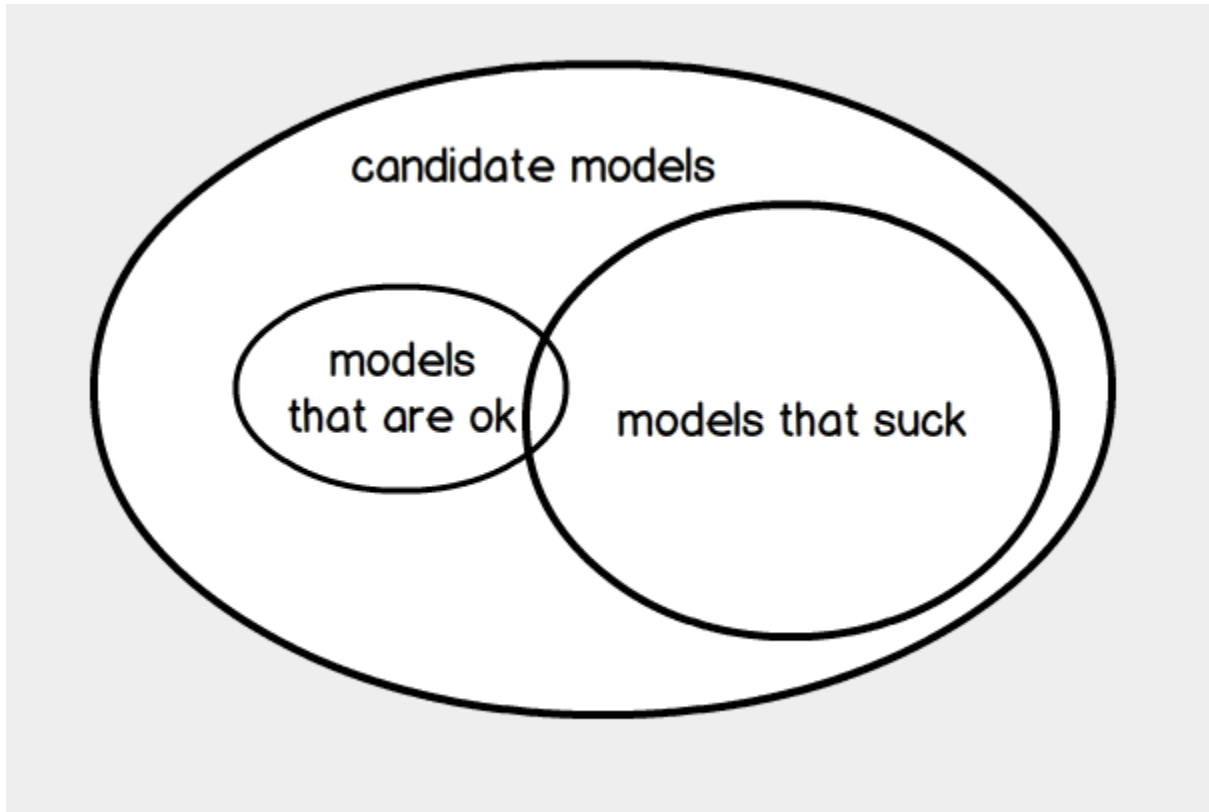
Central Thesis



Central Thesis



Central Thesis



So what's it for anyway?

"we should be focusing on the deep issues of the domain our users are engaged in ... the best part of our minds should be devoted to understanding that domain, and collaborating with experts in that domain to wrestle it into a conceptual form that we can use to build powerful, flexible software."

Eric Evans, 2006

So you come to work one day
and realise your model sucks.

How do you react?

DENIAL

Surely finance is all about the
model?

Model Resistance

Equity Trading

share certificates

dividends

stock splits

mergers

spin offs



FX Trading

debt certificates

interest

devaluations

currency unification

Greece



Over-ubiquitous language

Limit...

Stop...

Pips...

Asset Class...

Error tolerance

ANGER

But this is exactly what agile
approaches are meant to
address...

Why do bad things happen to
good intentions?

(a very nearly true story)

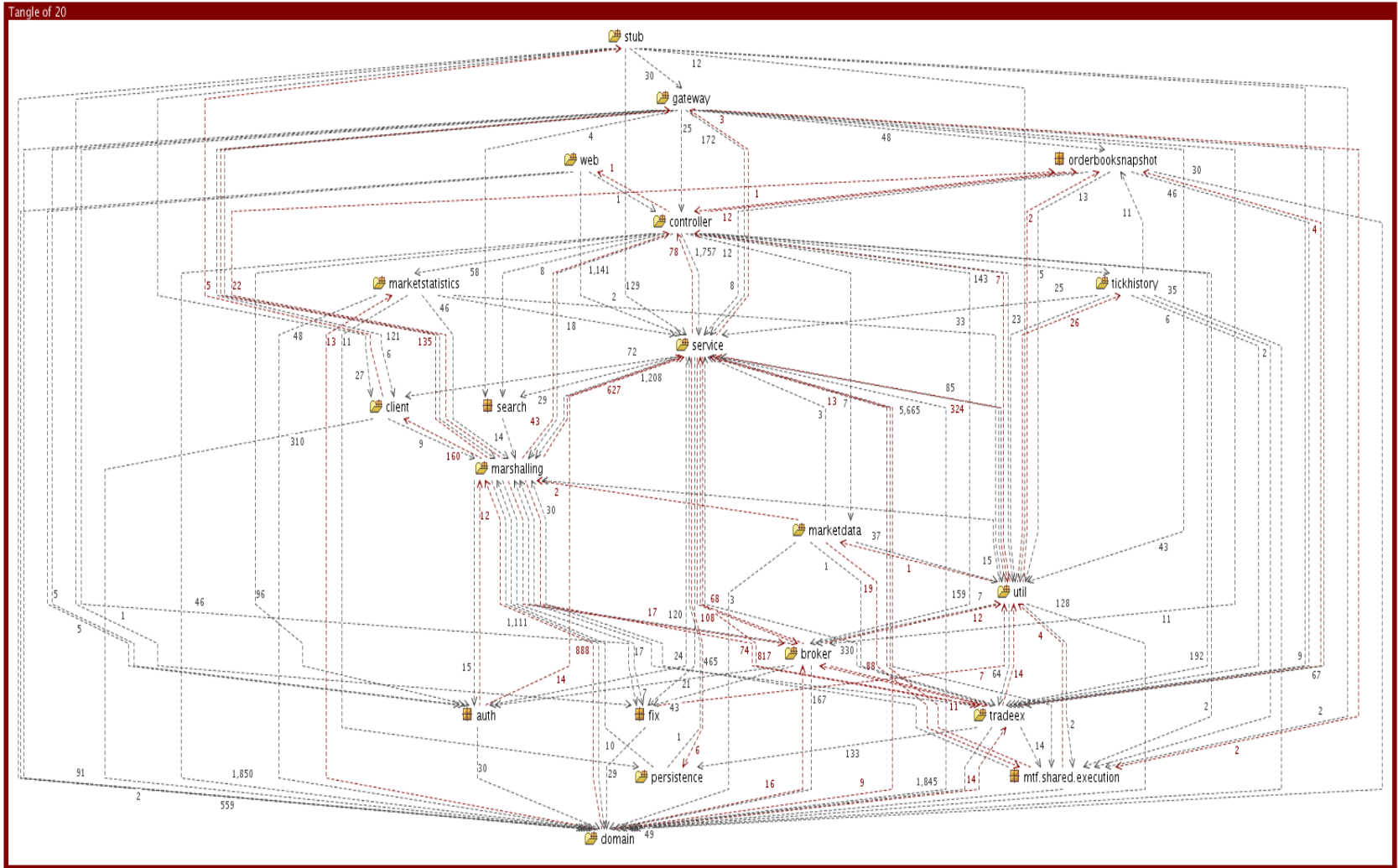
It's OK, we'll Refactor

*“Modern man has the skill;
He can do what he will.
But alas - being man
He will do what he can.”*

Piet Hein, 1966

BARGAINING

We'll use the code as our model...



We'll use the tests as our model...

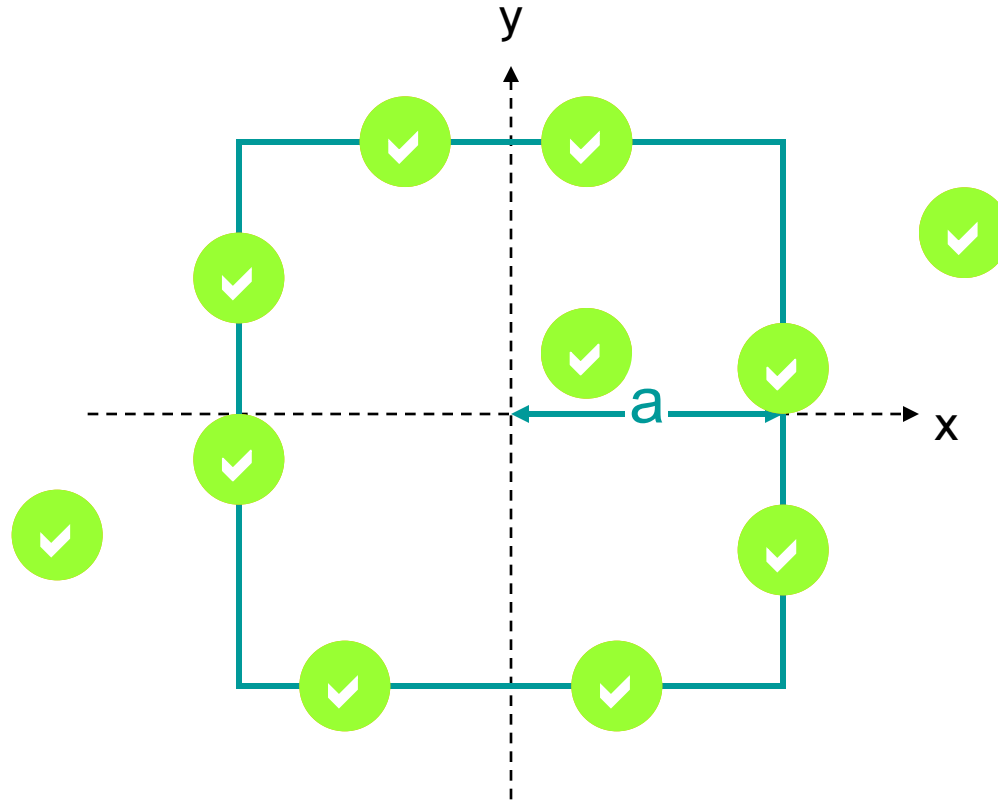
Specification of a square:

$$\max(x^2, y^2) = a^2$$

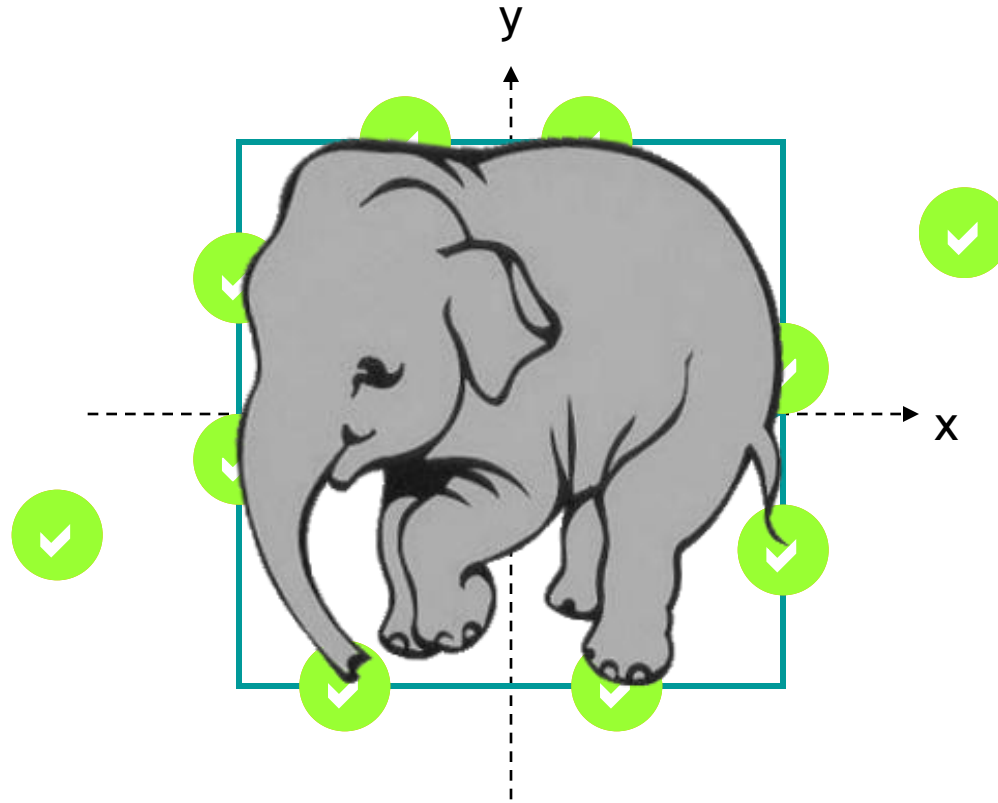
Or:

$$x = \pm a : -a \leq y \leq a, -a \leq x \leq a : y = \pm a$$

We'll use the tests as our model...

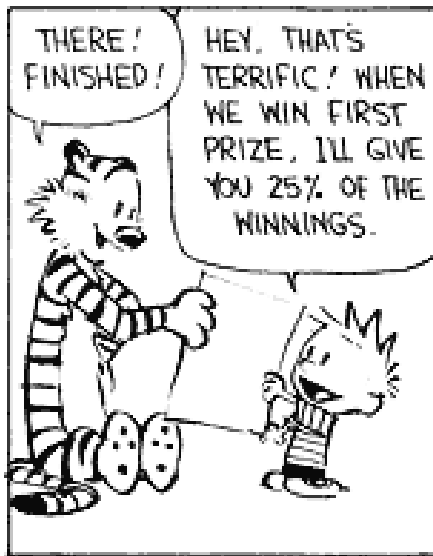


We'll use the tests as our model..



DEPRESSION

ACCEPTANCE



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A GOOD COMPROMISE LEAVES EVERYBODY MAD.



Sometime's the job's hard.
Get over it.

