

#### AN ALTERNATIVE ALT.NET

Jimmy Nilsson factor10

SOFTWARE DEVELOPMENT

CONFERENCE



#### **About Jimmy Nilsson**

Primarily a developer/architect

Blog: jimmynilsson.com/blog/

Twitter:

twitter.com/jimmynilsson

Author of "Applying Domain-Driven Design and Patterns" and ".NET Enterprise Design"

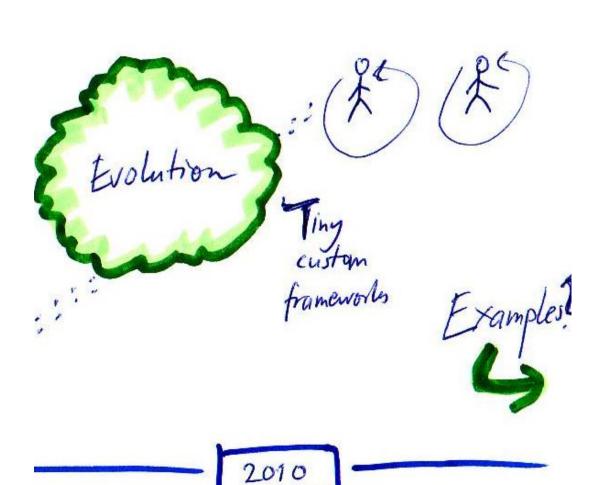
Co-founder and CEO of factor 10



The MSDN way One Big Vendor "Buy in to the whole thing, and nothing else..." ALT, NET

OS Jave Ruby Agrile Community XP Rails Pretty Large gener

ALT. WET"



- 1990 - 1 Wixards
Datasets Drag till you drop Webforms

~ 11 layers

DDD TDD (raftmanship) Elegance Quality of How Custom

2010

BDD

REST

Real PDD

DSL)

NO, NET ==

Not Only

Tiny! great code

3 layers

## BDD helps with a red thread

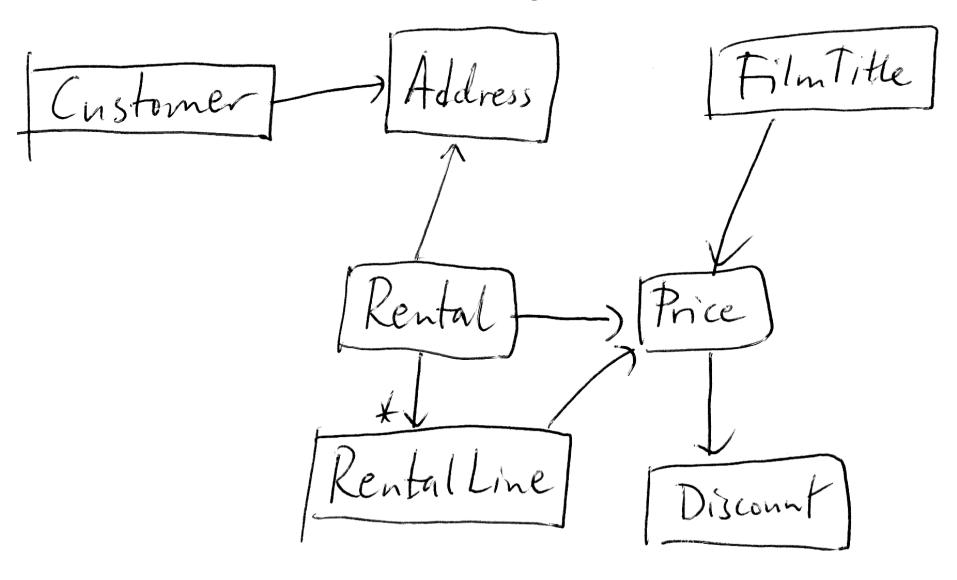
- The step definitions points out which unit test to write now
- That unit test points out what real code to write now
- When done, check that BDD test is green too

#### What is DDD?

Domain-Driven Design is an approach to the development of complex software in which we:

- Focus on the core domain
- Explore models in a creative collaboration of domain practitioners and software practitioners
- Speak a ubiquitous language within an explicitly bounded context

## Value Objects

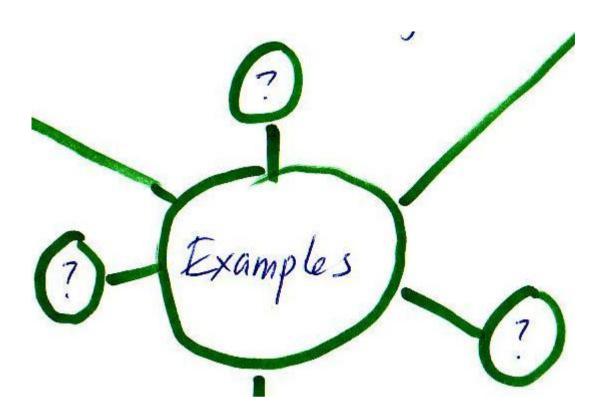


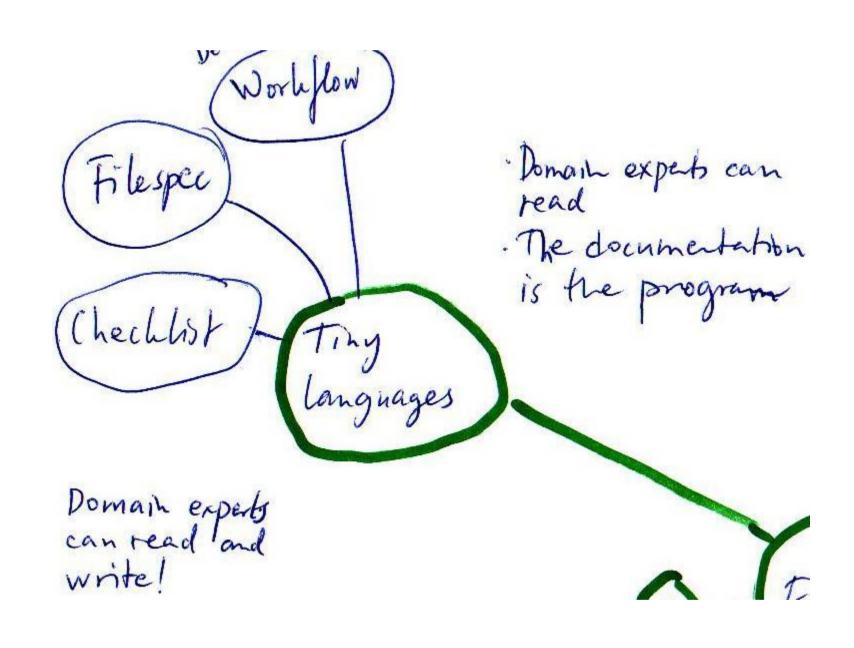
#### Like this?

```
var stinasÄgg = 7 * 12;
var pellesÄgg = 3 * 20;
var antaletlÄggkorgen = stinasÄgg + pellesÄgg;
Assert.AreEqual(144, antaletlÄggkorgen);
```

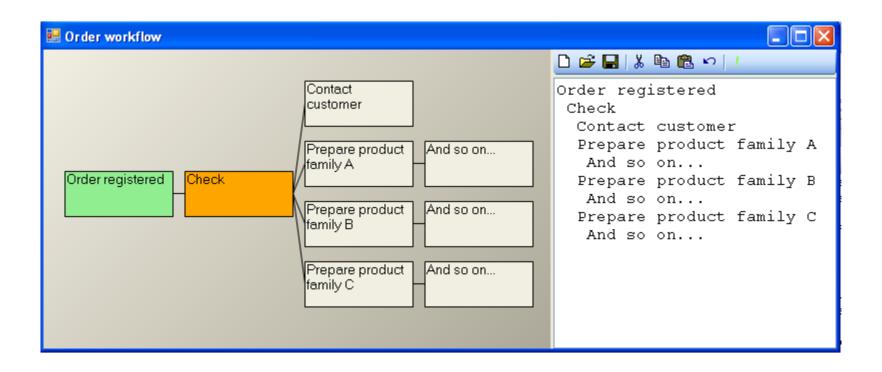
#### Or more like this?

```
var stinasÄgg = Antal.Dussin(7);
var pellesÄgg = Antal.Tjog(3);
var antaletlÄggkorgen = stinasÄgg + pellesÄgg;
Assert.AreEqual(144, antaletlÄggkorgen.IStyck);
```

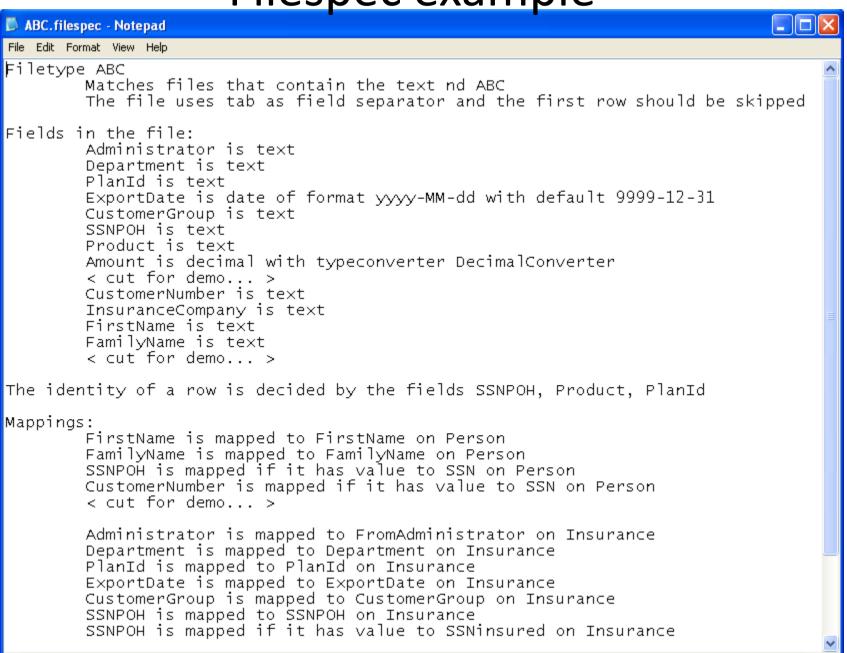




### Workflow example



Filespec example



#### Checklist example



#### Create checklist-

Name: Distribution execution 2010

Header: 2010-04-20 Preparations

Do manually: Check that backup has been taken

Do manually: Contact Helpdesk and ask them to execute "Rebuild Index" and

shut down antivirus protection McAfee Run command: CLEARXML Mission RNFIL

Header: 2010-04-21 More preparations

Do manually: XYZ

Header: 2010-04-23 More preparations again

Run command: AGRBOKF2 Mission XSEND with parameters Poll=AgrSndTrn

Header: 2010-04-24 And so on...

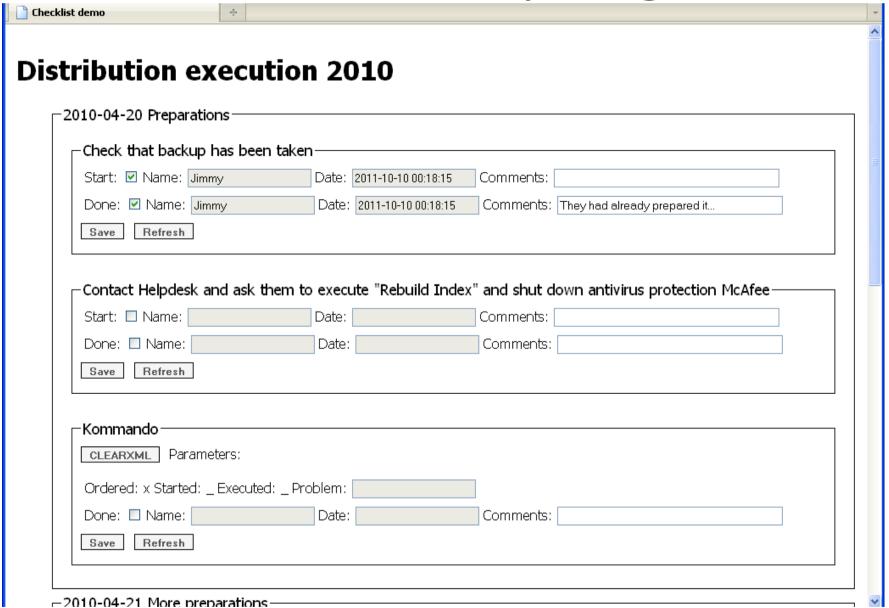
Create

· Ul matters. A lot. · Semantic Great for discussions from day 1. templeting ·Metadata · Often has the worst and most code Declarative . Need a look and feel refresh every now & then · Origin of hypenedia in DM

# NoJS example

<b>थ</b> Mozilla Firefox □ □	×
<u>File Edit View History Bookmarks Tools Help</u>	
Goog	P
file:///C:/conferaoo/nojsd	~
,	
Title	
{:\$info.title:}	
ISBN	
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Description	
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## Checklist example again

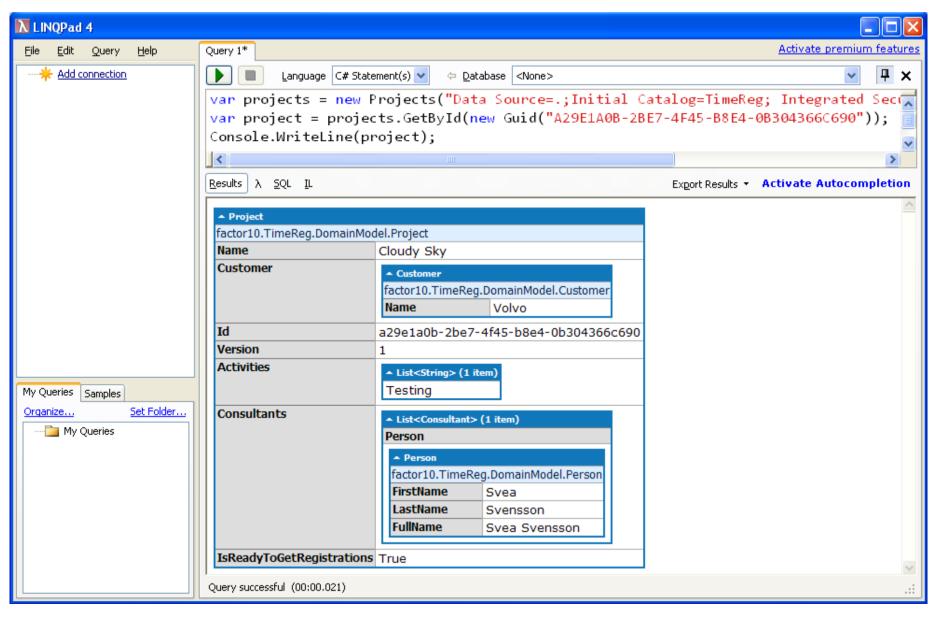


Not all problems
are relational...-) Custom

But strangely, storage
Oracle SQL Server
is almost mandatory

Avoids global db · Code disappears · True aggregates . Perf increases · Operations says Oll . Good for big graphs . Protobul : Listings are relational

### Custom storage example



Results Messages								
	ld	Version	Graph	GraphVersion	Name	Customer_Name		
1	A29E1A0B	3	0x0001000000FFFFFF	1.0	Cloudy Sky	Volvo		
2	9F2326F3	3	0x0001000000FFFFFF	1.0	Architecture Refactoring	Stena		

```
public Project GetById(Guid id)
    return storageMetadata.GetById(id);
public IEnumerable<ProjectForListing> ThatHasCustomerWithName
    (string customerName)
    return storageMetadata.GetListByCriteria<ProjectForListing>
         ("Customer Name", customerName);
```

#### projects.GetCreateScript();

#### Summary

ALT.NET was important
But the potential is way bigger
Let's unleash it!