Chschwentner WPS presenting #DomainStorytelling DOMALM storytelling A Henning Schwentner Talk

StarringWithACTORS AND ACTIONSWithDirected byOMAGE AND EXERTSWithasREAL LIFE

^{FSK} 18







Spark a fire (Tell a story (Paint a picture (











THE NAME OF THIS SPEAKER IS HENNING SCHWENTNER



LIVE 45 MIN TALK





WPS WORKPLACE





Story Time





Do I get a car for this?

NO WAY



Monolease



To split the Monolith we first have to put it aside





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COLLABORATIVE MODELING



Knowledge crunching



Method,

User Story Mapping





D O M A I N Storytelling

http://www.domainstorytelling.org

Domain Storytelling = Pictographic Language + Workshop Format

The Workshop Format

The right people




Listeners







Active Listening

CONCRETE STORIES VS. ABSTRACT PROCESSES





The Pictographic language













person group IT system

ACTORS ONCE/ WORK OBJECTS SEVERAL TIMES



Name of the Domain Story

Preconditions, assumptions, and triggers

Annotations, variations, and purpose

Leave some empty space there \rightarrow

← Draw here

PICTOGRAPHIC LANGUAGE – NO IF/SWITCH/OR



Scenario-based modeling

Scenarios

Car Leasing – The Happy Path

Car Leasing – Customer can't afford installment

Car Leasing – Contract is too risky



Scope Factors

Granularity Point in time Domain Purity



A Day at the Beach Cloud Level Kite Level Sea Level Fish Level Clam Level

Alistair Cockburn



Point in Time





Domain Purity



digitalized







Tell domain story:

"Travel by train"
Coarse-grained
All together











Whiteboard Kit (www.domainstorytelling.org)










Moderated













Tell domain story:

"Going to the movies"
Coarse-grained
In groups



learn language

draw boundaries

work on requirements

implement domain model

find shadow IT



learning Domain language



Drawing Boundaries





Bundesarchiv, Bild 173-1282 / Helmut J. Wolf / CC-BY-SA 3.0

Scope: coarse-grained as-is/to-be pure

Which activities belong together (from an actor's perspective)?









Indicators:

- 1) Actor produces result on their own
- 2) One-way information flow
- 3) Different triggers (time vs. on demand)
- 4) Activities supporting something that is not in the picture Ask Your experts! domain
- 5) Difference in language
- 6) Different use of the same thing





Draw Boundaries:

"Traveling by train" In groups





Draw Boundaries:

"Going to the movies" In groups

From Coarse-Grained to Fine-Grained





Tell domain story:

- "Validate train ticket"
- Fine-grained
- All together





Tell domain story:

"Selling movie tickets"
Fine-grained, pure, as-is
In groups

From Domain Story to User Story



TELLS WISH FOR CAR DOMAIN TO PASSES ON Storytelling CONTRACT CALCU-SALESPERSON LATES FOR CONTRACT USTOMER INSTALLMENT PICK MANAGER CUSTOMER I WANT AS AS SALESPERS TELL WHAT KIND GIVES OF CAR I NEED SO WANT TO CALCULATE THAT THE CAR IS NOT THE CONTRACT SO **TOO EXPENSIVE** THAT I CAN FULFILL

> RESALE VALUE

MY CLIENT'S WISH

CREDIT RATING

From Domain Story to User Story Map

Coarse-Grained Domain Story OS Backbone for User Story Map



with Peter Economy Forewords by Martin Fowler, Alan Cooper, and Marty Cagan



TELL WISH FOR CAR

CALCULATE INSTALLMENT

SIGN CONTRACT

PASS ON CONTRACT

WISH CAR

CALCULATE INSTALLMENT

SIGN CONTRACT

PASS C CONTRA

CALCULATE INSTALLMENT FOR NEW CUSTOMER

CALCULATE INSTALLMENT FOR EXISTING CUSTOMER




Tell domain story:

"Selling movie tickets"
Fine-grained, digitalized, to-be
In groups

Modeling in Code



How do we design a program for that?



#dddesign

1 LIVE D O M I A N 0800 220 5050 domian@wdr.de **D**RIVEN DESIGN

WDR













From Domain Story to Code







```
public class Contract {
   public void sign(SignDate date)
   //...
   public void vote(VoteResult result)
   //...
```



Object orientation

Leasing Ninja.io

Domain Stories for Strategic Design



The One Big Model





Reality: Not one big model But several mixed models









"Whoever uses a canonical model has lost control over his life." – Karl Lagerfeld

» Wer ein unternehmensweites Modell einsetzt, hat die Kontrolle über sein Leben verloren« -KarlLagerfeld









Too big to be understood as a whole








A tool to understand the world























<<Entity>> Contract

<<Entity>> Contract vote()







Bounded Context







CHOICE CUTS OF IDAHO® POTATOES

Implementing Multiple Models

JVM: Packages Jigsaw-Modules

.NET: DLLs

Other: Microservices Self-Contained Systems **Verticals**





Derive Domain Model:

"Traveling by train"
From fine-grained stories
All together





Derive Domain Model:

"Going to the movies"
From fine-grained stories
In groups

Cutting the Monolith

Brownfield

- 1) How should it be?
- 2) How is it?
- 3) How to move the "is" to the "ideal"?



- 1) How should it be?
 - 1) Domain Re-Discovery
 - 2) "ideal" context map
- 2) How is it?
 - 1) Architecture Analysis
 - 2) As-is context map
- 3) How to move the "is" to the "ideal"?
 - 1) Compare
- 4) Do the move
- 1) Extract a supporting domain collearn
 2) Then extract core(s)





Strangler Fig Application





Strangler Fig Application





is better than

Strangler Fig Application Big Bang Replacement


Read on at:

https://hschwentner.io/domain-driven-refactorings

How to draw an Owl.

"A fee and course goah for highware"







\bigcirc



Further Reading

https://domainstorytelling.org

The Addison Wesley Signature Series

Domain Storytelling

A COLLABORATIVE, VISUAL, AND AGILE WAY TO BUILD DOMAIN-DRIVEN SOFTWARE

STEFAN HOFER HENNING SCHWENTNER



Finand by NICK TUNE

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 Get it at:

 http://h/chwentner.io

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Leasing Ninja.io







Domain Storytelling

Ein Einstieg











Henning Schwentner

Kolleg:in gesucht (Deutschlandweit)

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Appendix

What about Event Storming?





EVENT STORMING AND DOMAIN STORYTELLING ARE GREAT



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