

This is a story about Contextual Design

Contextual Design is a user centered method that incorporates Contextual Inquiry, and other methods toward the goal of creating new systems.

Contextual Inquiry is an "in-the-field" process used to understand how software and environment affect the way a person does their job.



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The Problem Complex custom application: - "What if" payment planning - Credit check & approval - Legal documents - Historical reports - Interfaced to many back-end systems. Built to support highly silo'd processes at HQ. Key to an internal business process reorganization. Rolled out to dealerships "as-is"; no advance research into dealer process.

More Noise than Feedback Dealer Surveys. Ad-hoc wish lists. Generalized statements: -Too slow. -Too hard to use. Stakeholder opinions.

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Agile2008

Stakeholder preconceptions

Dealers hate the application.

Performance is a BIG issue.

Entire app is too hard to use & needs a redesign.

Dealers want workflows and wizards.

Dealer Info module is rarely used and can be eliminated

There is a smooth flow of information to dealers: new features, bugs & workarounds, special alerts.

Client-provided training materials are effective and widely used by dealers.





Stakeholder

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We said, "Are you sure? Really?"

A lot of time and money was at stake.

Over 200 collected "issues" could not be easily prioritized or synthesized.

It was the beginning of December and development had to start by February 1.

We thought Contextual Inquiry could help sort things out quickly.

Get out there and meet the USERS!

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Perform on-site observations

Cross-functional team visits to six representative sites

- 10-15 minute introductions.
- 2-3 hours of observation.
- 1-2 hours informal discussion over lunch with informants and other stakeholders.
- I-2 days for team consolidated notes after each visit.
- I week for team consolidated models and affinity diagram after all visits.
- 3-5 days for team to create low-fidelity prototypes and finalize recommendations after consolidation activities.



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Master-Apprentice Observation Model

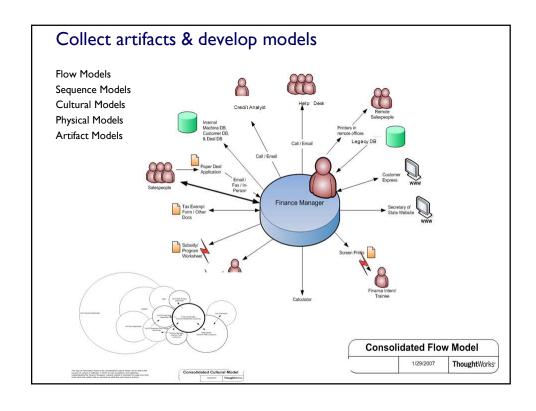
The (real, live) user is the master of their domain.

The observer is the apprentice, imagining that they will have to take over for the user after the session.



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First impressions revisited:

Dealers hate the application = False.

Performance is a BIG issue = Mostly True.

Entire app needs a redesign = False.

Dealers want workflows & wizards = False.

Dealer Info module is rarely used = False.

There is a smooth flow of information to dealers: new features, bugs & workarounds, special alerts = False.

Training materials are effective and widely used by dealers = False.



Dealer network



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What we observed at the dealers

In general, dealers really like the application.

Most issues concentrated in only a few screens: 'Quoting' the deal.

Bigger problems were external in interfacing applications.

Use of client-provided training was spotty; client training materials were not in line with dealer processes.

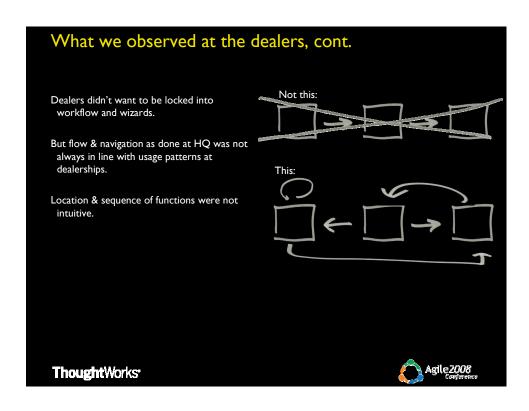


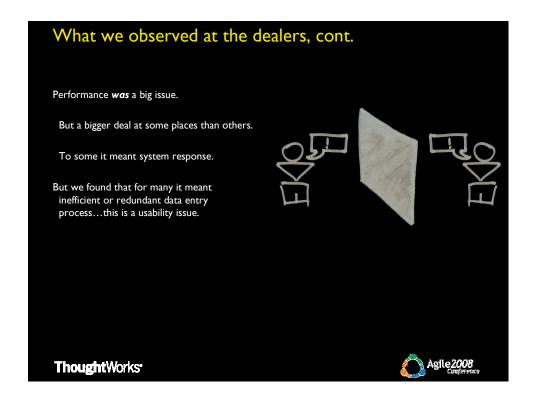
Dealer network



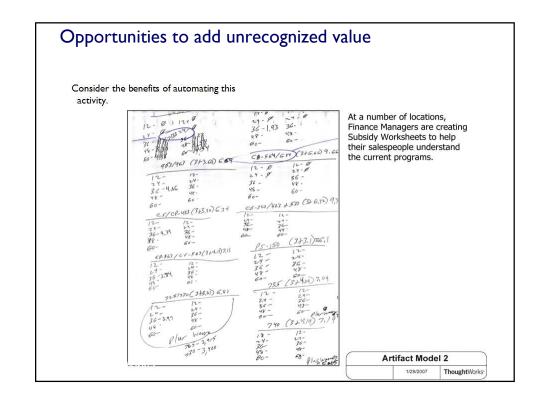
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So how did it turn out?

Revisions concentrated on only three screens within the pricing module.

First ever Dealer Conference was held later that year.

Regular series of Dealer advisory conference calls established.

Improved training materials deployed on-line.

Client able to re-focus time and budget on more strategic initiatives for remainder of year.



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Contextual Inquiry: Lessons Learned

Contextual Inquiry works well with Agile – lightweight process, small-scale investigation.

Composition of the team is key to success – domain/project knowledge, client involvement make a difference.

First impressions from surveys, stakeholders, and wish lists are usually misleading.

Client should be prepared to handle wideranging results & long-term action plan.

Get out there and meet the USERS!

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What you can do

I. Contact Josh & Marjorie with questions/responses:

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2. Read:

- Rapid Contextual Design
- Contextual Design
- Don't Make Me Think
- Mental Models

