

Testability & Review

A check on the testability of requirements and designs and preserving review information



November 4th 2009

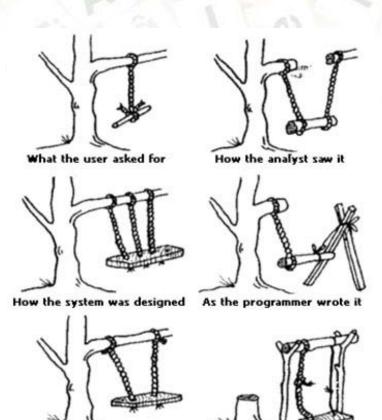
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Jef Bergsma

Content



- Documentation Test
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- Successes & Problems
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How it actually works

What the user really wanted



Case Study

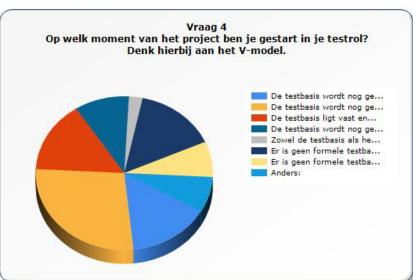


Poor testability

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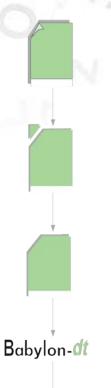
- Test initiated changes
- Degradation of quality





Onderzoek uitgevoerd in jan 2009, in samenwerking met Test Value

Prevent or Fix



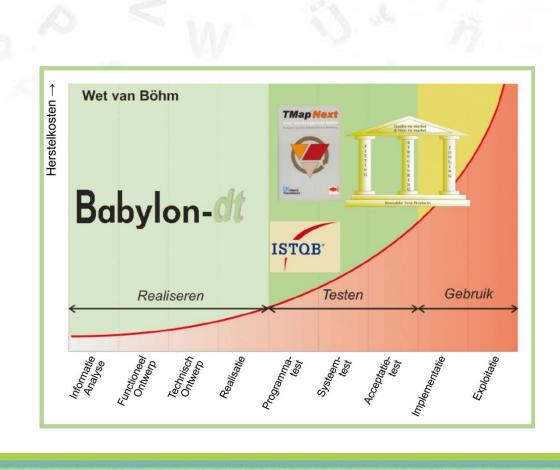
Prevent

- Early involvement
- Time to change
- Limited consequences
- Adoption of the solution

> Fix

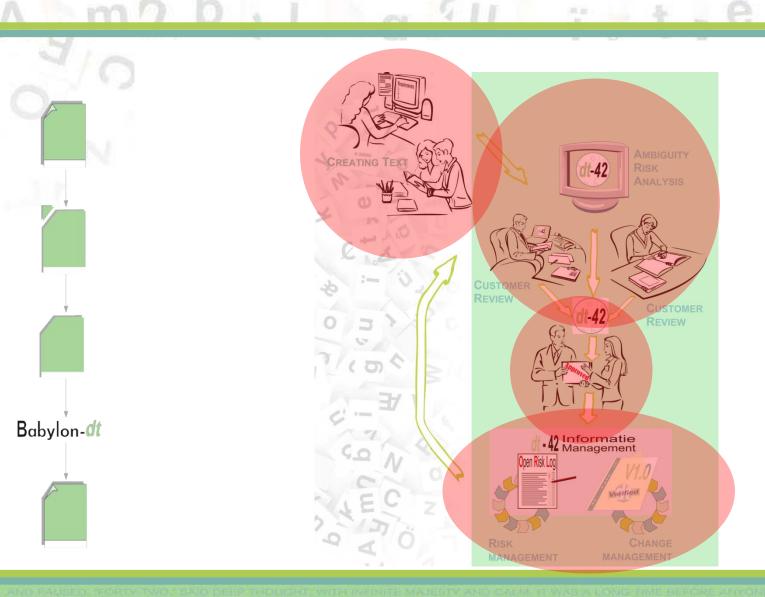
- Check afterwards
- Critical time path
- Limited possibilities
- Change of the adopted solution

De wet van



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Documentation Test



Triggers

Het moet mogelijk gemaakt worden om een verzoek in te dienen

ten behoeve van de <mark>andere</mark> gebruikers.

Ambiguity indication (Triggers)

- Define possible ambiguity words (Triggers)
- Find a trigger in a document
- Analyze the context of the trigger
- Decide if there is a Risk
- In case of a risk, present it to the user.

Opmerking [JB1]: Conditioneel

mogelij

Dit impliceert een keuze. Is expliciet beschreven welke keuzes er zijn en op basis van welke voorwaarden/variabelen deze keuzes gemaakt dienen te worden. Dit kan gespecificeerd worden door bijvoorbeeld gebruik te maken van één of meerdere ALS - DAN - ANDERS beschrijvingen. Dit voorkomt discussie over de keuze vraag.

Opmerking [JB2]: Verwijzing

andere

Deze term refereert ergens naar. Is dit concreet en meetbaar beschreven? Tip: Uitschrijven i.p.v. refereren voorkomt veel interpretatieproblemen.



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Successes & Problems

- > The concept behind our approach is fundamentally wrong but
- Research of the Tilburg University says it's possible:

 'Detecting ambiguity in requirements has a bright future and will be used
- NAACL HLT 2009, Ted Pedersen agrees on the practical approach
- Context makes the difference

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world-wide in ten years from now'

How to proceed?

We never saw father anymore

Starting point





- Triggers can indicate ambiguity
- Limited configuration options



- Ambiguity indications help improve document
- Not all ambiguity risks can be solved right away
- Review & decision information gets lost

What we Want

More functionality

- A higher precision
- Classification of Triggers

> Risk management

- Easy access to ambiguity risks
- A dynamic Risk log
- Preservation of Review & decision information



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- Ambiguity Risk Analysis (ARA)
- Customer reviews



- Add field experience
- Invite early adapters
- Tell the world



