Testability
Features
Built-in
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- Stockholm
- Test since 1994
- With itello since 2006
Context

• Pensions and life insurance
  • Complex domain
    • Long life-time products
    • Retroactivity
  • Complex system
    • Many functional areas
    • Comprehensive data model
    • Highly configurable
    • Extensive product range
      • Millions of insurances
      • Billions of fund value
Testability

*Software testability is the degree to which a software artifact supports testing in a given test context*

http://en.wikipedia.org/wiki/Software_testability
Setup Testing Bug investigation
Enhance bug investigation

Reduce setup
• Enhance bug investigation
  • Discrete attributes
  • Logs
• Reduce setup
  • Test data handling
  • System environment control
Testability Features

• Framework ”Dev actions”
  • Testing in ”development phase”
  • Testers began using it
  • Ideas of new features
  • Hack-days
  • Now hundreds built-in

• Testability part of user story
Local test environment
Testability
Features

- Demo case #1
  - Test at different system dates
Testability Features

• Demo case #1
  • Test at different system dates
    • Set system date
Testability Features

• Demo case #2
  • Test inpayment on endowment insurance
    • Find test data
Testability Features

- Demo case #3
  - Create a male person, age 55
    - Create test data

```sql
SELECT 'MyData'
AS [MYDATA]
INTO #MYTABLE
```
Demo case #4
Test the event death with different death dates
Testability Features

- Demo case #4
  - Test the event death with different death dates
    - Test transaction
Advantages

• Minimal deployment
• Accessability
• Configurable
To consider...

• Security vulnerability
• Addiction?

I want my features...

• Handle with care