



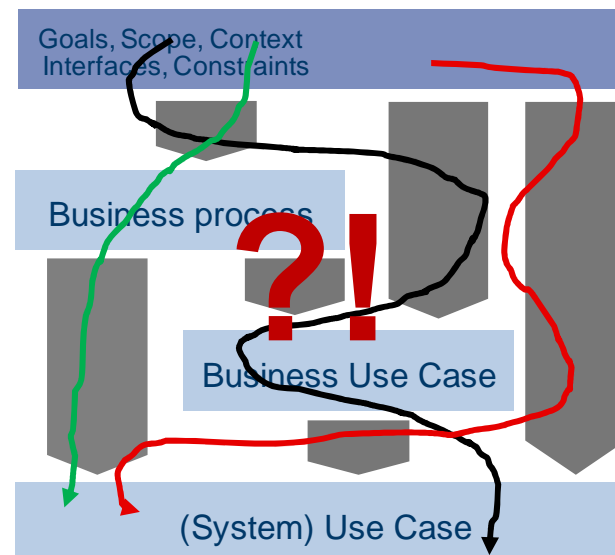
The Golden Trail: From Business Processes to Requirement Specifications

APP Unternehmensberatung AG

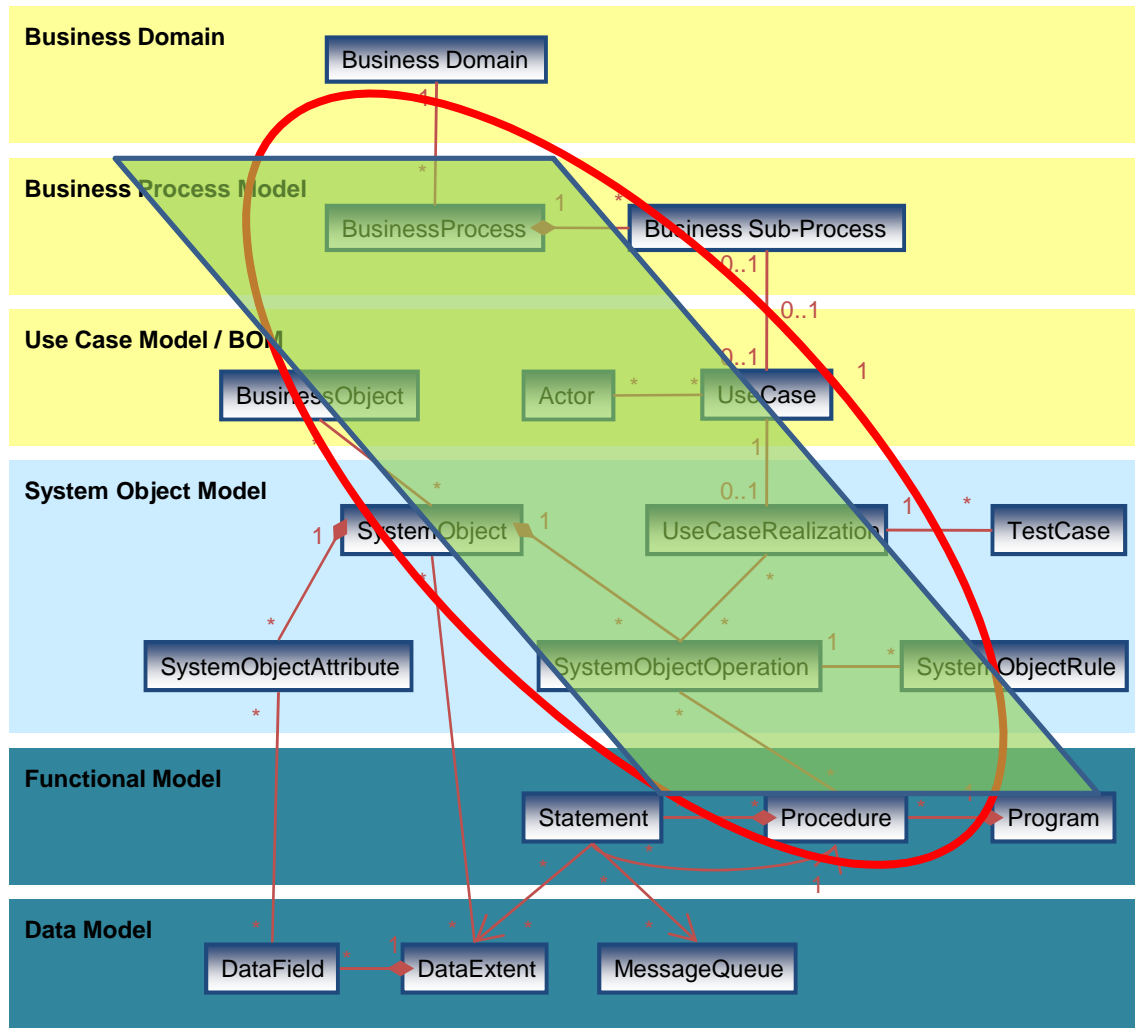
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Current Situation: Not Satisfied Customer à Need for Action

- § Today, business processes are not properly aligned with business and system use cases.
- ∅ This can lead to imprecision within the modeled solution.
 - ∅ This further can lead to the fact, that a modeled solution may not comply with the requests of the real world.
 - ∅ Therefore, the business customers are not fully satisfied.



Current Situation: Insufficient Definitions à Lopsided Model!



Within requirements engineering and the specification of the same, the following situation is frequently encountered:

- § Different abstraction views are mingled up within one model, because;
- § Different views and levels of granularity are not pinpointed by an adequate backbone modelling, therefore
- § The models specified are not within the requested level and therefore “float around” cross levels.

Solution: Need for Alignment



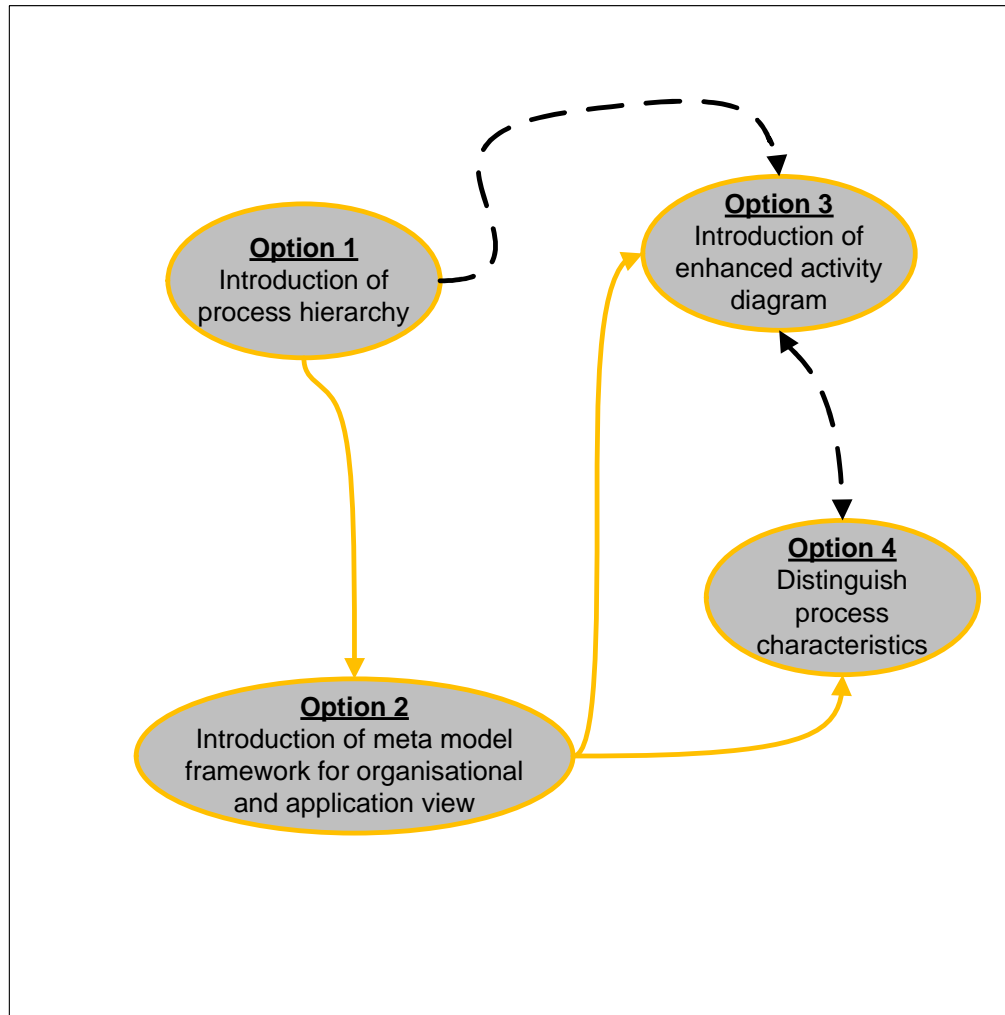
There is a need to

- § **align** the different levels of abstraction in order to
- § **match** the various views and levels of granularity and
- § there is a need to **avoid business and system models floating in space** without a backbone model defining their connection.

Approach: Analysis of Possible Options

| Option | Content | Benefit |
|--------|---|--|
| 1 | Introduction of process hierarchies | Matching of different process views and abstraction levels. |
| 2 | Meta model framework | Cross model matching of the core building elements per view and abstraction. |
| 3 | Introduction of enhanced activity diagrams | Joint process steps within two complementary views including user and service interfaces show entire workflow. |
| 4 | Distinction of process characteristics | The distinction of manual / semi-automated / automated process steps enables their respective classification within two complementary views. |

Approach: The Golden Trail



Suggested options:

Option 1: Introduce a process hierarchy.

Option 2: Introduce or adapt meta model framework.

Option 3: Expand the use of an activity diagram

Option 4: Enhance meta model semantics and way of modelling by adding characteristics to the process (step) attributes.

Questions & Answers

