Graphical Modeling Language Development (GMLD)

Group 2

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Topics

- Feedback of analysis data
- Quality attributes
- Internationalization of graphical DSLs/ modeling tools
- Putting synthesized model representations to work

Feedback of analysis data

Possible options/use cases:

- transferring them within the model or externally
- should analysis data be persisted or not?
  - their should be rules which data are to be persisted and in which fashion?
- should it influence the concrete syntax and being represented in the model somehow

Possible options:

- generate trace models while translating content into another format
- let the tools communicate immediately via pipes
- updating by annotating the model
- synthesize intermediate representations

Possible approach for handling measurement data in the model:

- base DSL elements on a general (abstract) 'Annotatable' meta model element
- specialize the meta model in an aspect oriented way

Quality attributes

- Question: How to prove that the generate behaves according to the specification.
- Pessimistic approach: Apply the established procedure
- Do not generate the whole system but keep the generate slim and generate against a framework
- Proposal: Try to identify patterns in both and match them

Internationalization of graphical DSLs/ modeling tools

- Is this actually desirable? If distributed teams shall collaborate, this might be an obstacle
- Graphical models appear to be fairly easy to adopt since they can be re-arranged,
- if internationalization is desired it is likely to be achieved as easy/hard as for other software applications,

Putting synthesized model representations to work

- Question: How would modeler use them, how would they be most beneficial
- Presumption: practicians need to get used to the availability of such a feature to obtain advantage