



ProcDSL + ProcEd - a Web-based Editing Solution for Domain Specific Process-Engineering

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Executive Summary

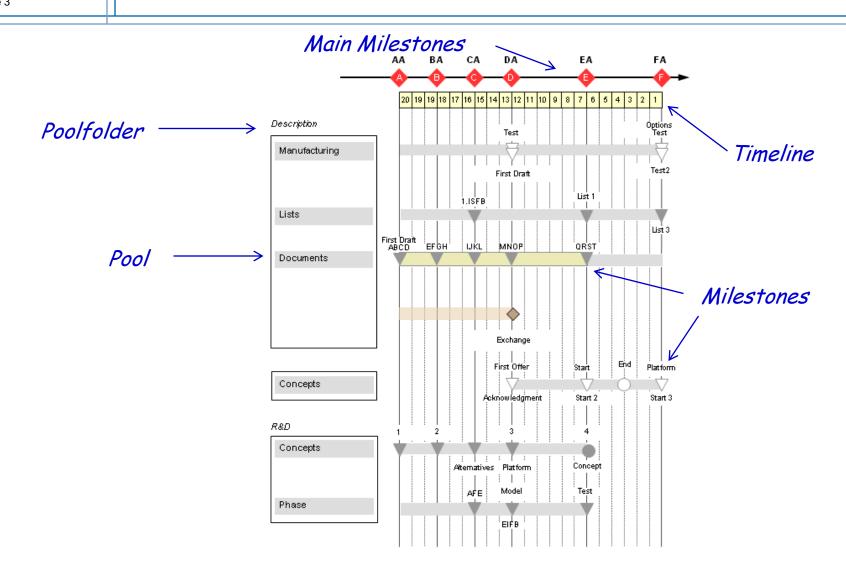
- Many companies already have a specific layout for their process plans, often, for easier editing and publishing throughout the organization, on Microsoft PowerPoint slides
- These layouts and the specific syntax on the created plans are agreed on in the company, sometimes with help of external consultants
- Already existing process modeling environments like ARIS or ADONIS are not very flexible when it comes to non-standard publication layouts
- Our editor uses a DSL constructed specifically for the plans used by the company and is flexible enough to be easily adapted to changes or improvements to layout and/or logic behind it
- Using AJAX technology, the editor is web-based and can therefore easily adjusted

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(Exemplary) Layout to be used

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Tasks

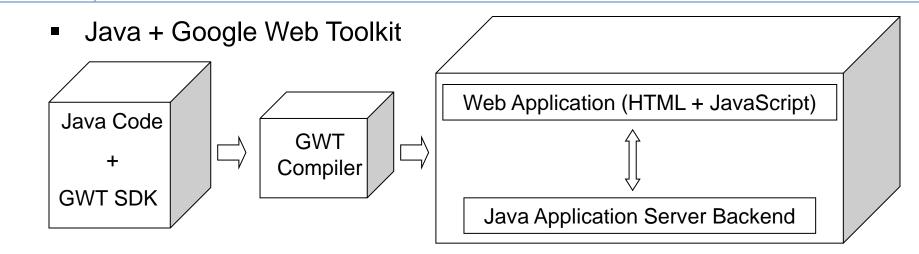
- Editor for Milestone-plans
 - Use layout and logic determined by company
 - Multi-user application
 - DragAndDrop-Editor
 - Simple usability (e.g. like Microsoft PowerPoint)
 - Formal data-model to ensure consistency

Technology:

- File-based documents, representing instances of the process-DSL
- Separation between layout and data
- Web-based (no installation (not even Browser-Plugins like Macromedia Flash) necessary)
- Server-side handling of document storage

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Technology

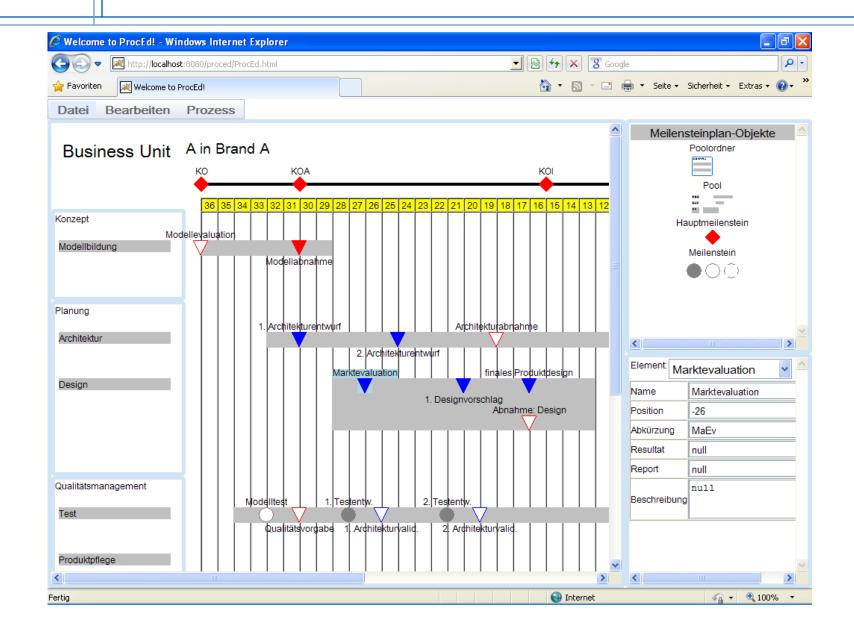


- Advantage: Development and testing is done in plain JAVA (and not e.g. JavaScript)
- GWT-DND: DragAndDrop-Library for GWT
- Application Deployment in Apache Tomcat
- Eclipse IDE
- MontiCore: Used to generate parser, lexer and AST for the datamodel

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GUI 1/2

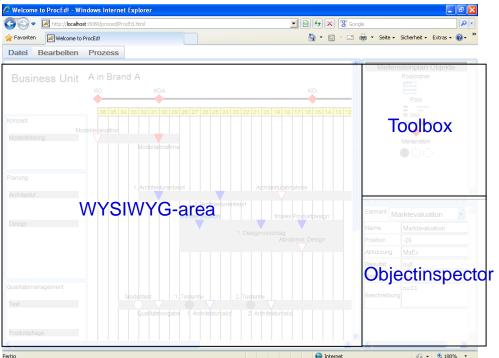
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GUI 2/2

- Startpage with menu-bar in Microsoft Windows-Style
- Milestone-plan editor with three areas:



- Easy to use with simple Drag 'n Drop from the toolbox to the WYSIWYG-area
- Elements in the plan can be clicked and edited with the Objectinspector

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Thank you!