Visualizing Use Case Sets as BPMN Processes

Problem Description
Especially in SOA projects but in other projects as well, software has to support business processes. These processes are part of the software requirements as well as the Use Case descriptions. Both models overlap which wastes time for creating and maintaining the software requirements.

Solution
Generate BPMN processes from textual Use Cases
- Generate sequential flows for scenario
- Create decision points for extensions
- Match Pre- and Postconditions of Use Cases
- Join Use Cases

Advantages
- Useful to generate skeleton business processes
- Helps visualizing and identifying dependencies between Use Cases
- Helps validating dependencies between Use Cases
- Helps validating pre- and postconditions of Use Cases

Open Questions for Future Work
- Non-Literal matching of pre- and postconditions
- Also useful for comparing business processes with given Use Cases?
- Advanced Tool-Support

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