A language for modeling constraints of characteristics in complex heterogeneous systems
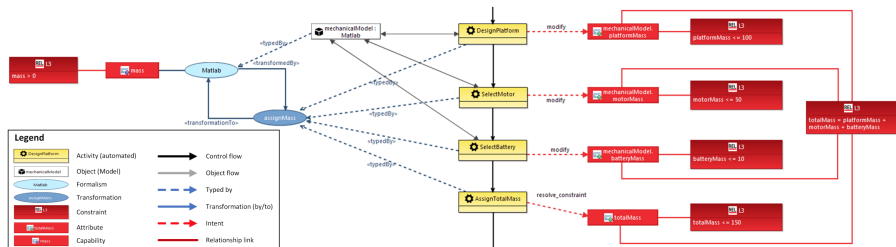
Bart Cools

December 15, 2017

Overview
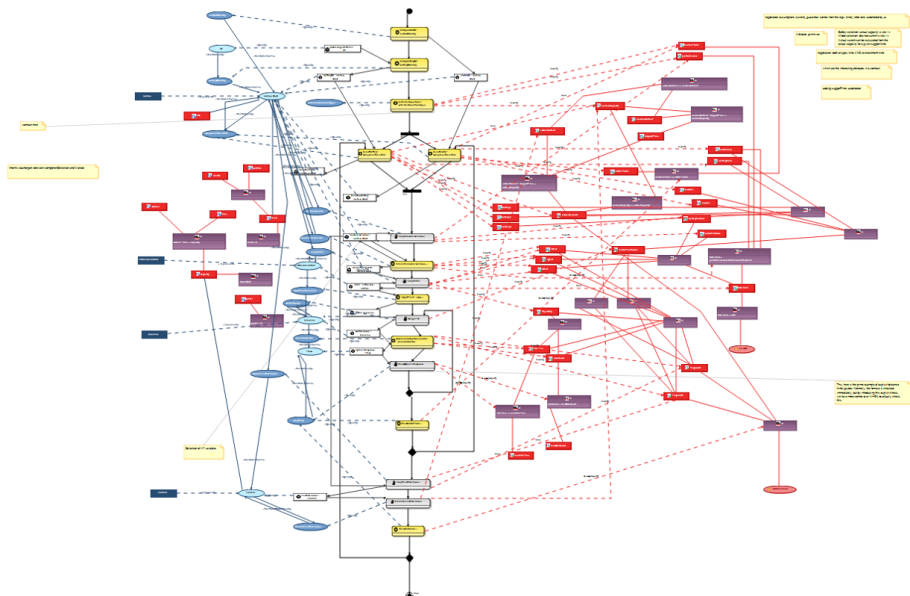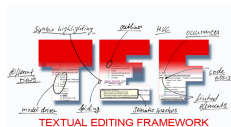
Current State

---

[1]I. David, B. Meyers, K. Vanherpen, Y. V. Tendeloo, K. Berx, H. Vangheluwe, Modeling and enactment support for early detection of inconsistencies in engineering processes

Motivation

Project

2

---

[2]Bernhard Merkle. 2010. Textual modeling tools: overview and comparison of language workbenches. In Proceedings of the ACM international conference companion on Object oriented programming systems languages and applications companion (OOPSLA '10). ACM, New York, NY, USA, 139-148

Conclusion and Future Work

- From cluttered visual overview to concise textual representation
- Create a modeling language
- Rewrite visual elements to newly create language
- Compare usability, readability and maintainability of the two formalisms
- Apply to ad hoc example