Hochschule Karlsruhe
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Institut für
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Evaluation and Analysis of modelling languages and modelling engines

Literature review in

Transportsystem management B.Sc. at
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<Content> [KDR17, PR11]

1.1 Motivation

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2. Modelling languages

A model is an abstract image of an existing or yet to be created reality. [1]
Besides natural language, System-requirements are often specified and documented by modelling languages. In general, experts dispite their system-requirements into three perspectives; Behaviour-, Structure- and Functional perspective. Modell-based requirements help to apply artefacts in a cross-functional team, define semantic for integration and consider artefacts with hard-level of formalizations.

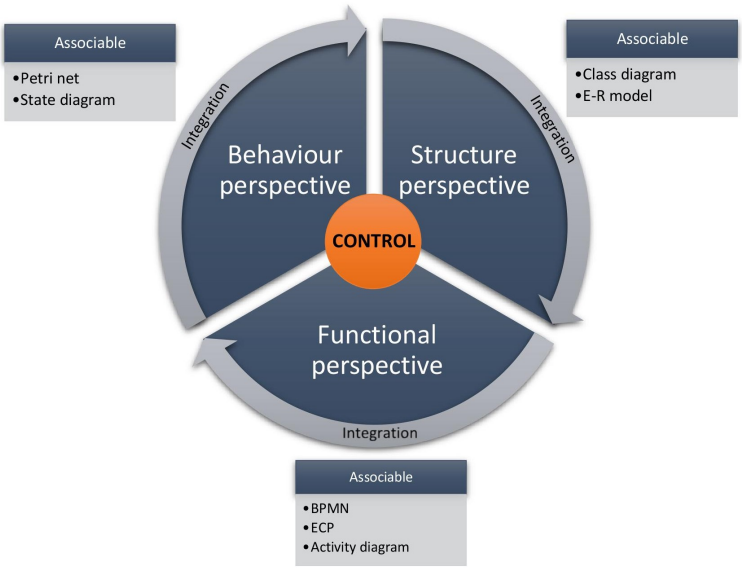

Abbildung 2.1: Model-based documentation divided into three perspectives

[1] H. Stachowiak: General Model Theory. Springer Verlag, Vienna, 1973

2.1 Structural perspective

<Content>

2.1.1 Definition

<content>

2.1.2 Class diagram (UML)

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2.1.3 Entity-relationship model

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2.2 Functional perspective

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3.1 jBPMN

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4. Conclusion

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4.2 Prospect

<content>

Literaturverzeichnis

[KDR17] Krallmann, A., Dockter, D. und Ritter, A. (2017) *Modellbasiertes Requirements Engineering: Von der Anforderung zum ausführbaren Testfall*. entwickler Press, Frankfurt.

[PR11] Pohl, K. und Rupp, C. (2011) *Basiswissen Requirements Engineering: Aus- und Weiterbildung zum "Certified Professional for Requirements Engineering" ; Foundation Level nach IREB-Standard*. ISQL-Reihe, Dpunkt-Verl., Heidelberg, dritte Auflage.