Assignment 1

Study Nerson’s paper on BON, and Hodge and Mock’s paper of 1992 (both available on the course webpage). Compare the two methodologies as to their model chains and modeling processes. Use the criteria introduced in Lecture 1 for this purpose.

Analyze the RDD methodology based on the analysis criteria introduced in Lecture 1, and report the strengths and weaknesses thus highlighted.

Older methodologies used to prescribe the production of two models for the system: An analysis model, and a design model. Modern methodologies tend to prescribe an intermediate model as well, calling it the specification-, system-, or platform-independent model. This can be seen in methodologies such as Hodge-Mock and Syntropy, and in frameworks such as MDA. Conduct a survey on this topic, and explain the philosophy behind this new categorization of models.