MODELLEZÉS

pragmatikus szemléletben

THEISZ Zoltán, software architect, Vehicle Motion Control

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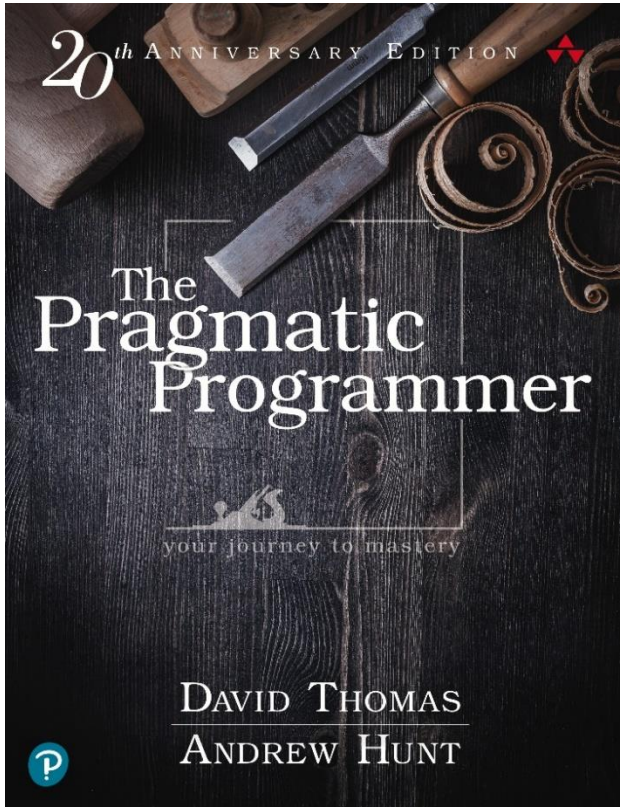
pragmatic: ”relating to matters of fact or practical affairs often to the exclusion of intellectual or artistic matters : practical as opposed to idealistic”

The Pragmatic Bookshelf



software architect: ”software engineer responsible for high-level design choices related to overall system structure and behavior”

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model-based systems engineering: ”formalized methodology that is used to support the requirements, design, analysis, verification, and validation associated with the development of complex systems”

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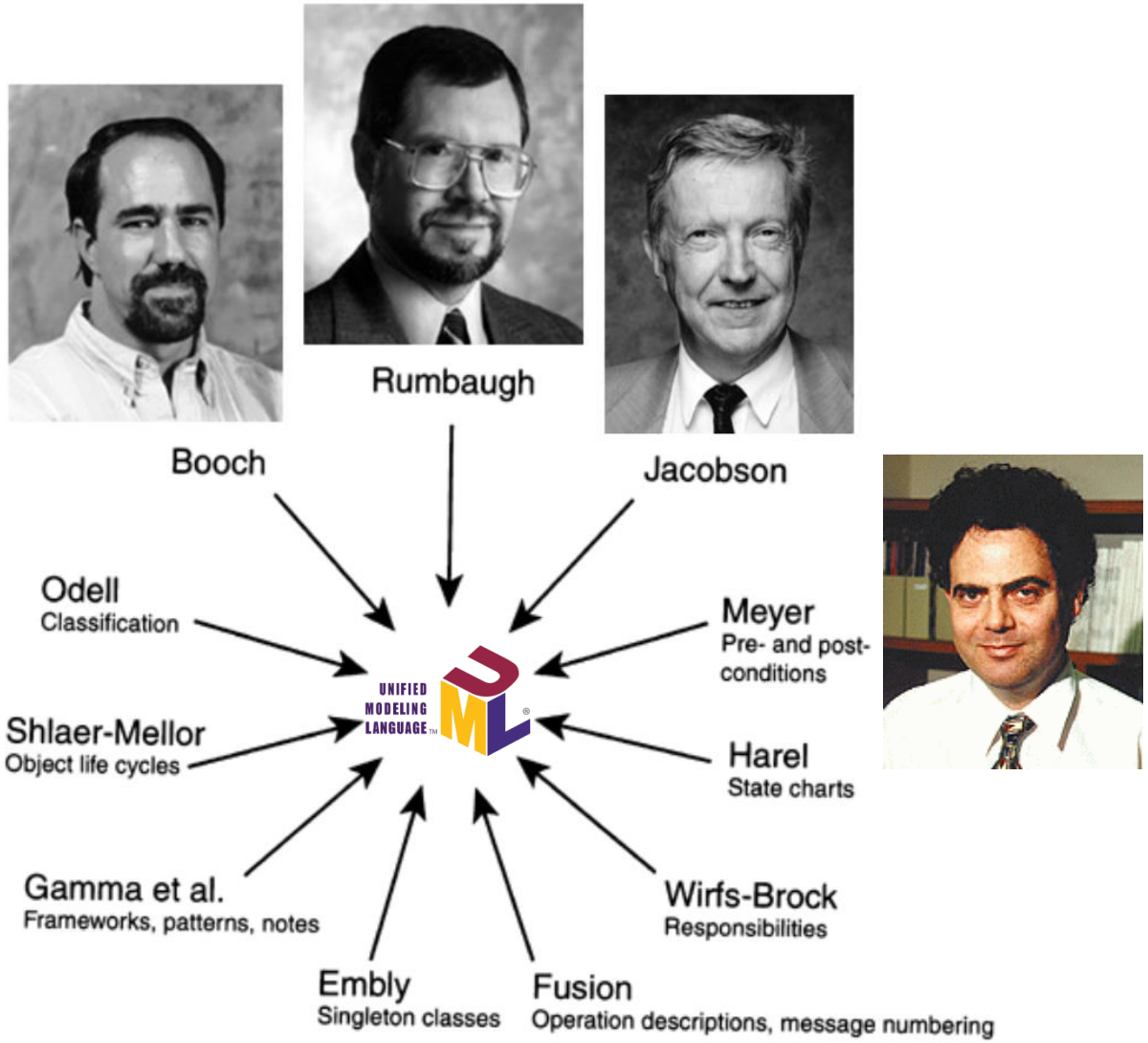

MPS

X

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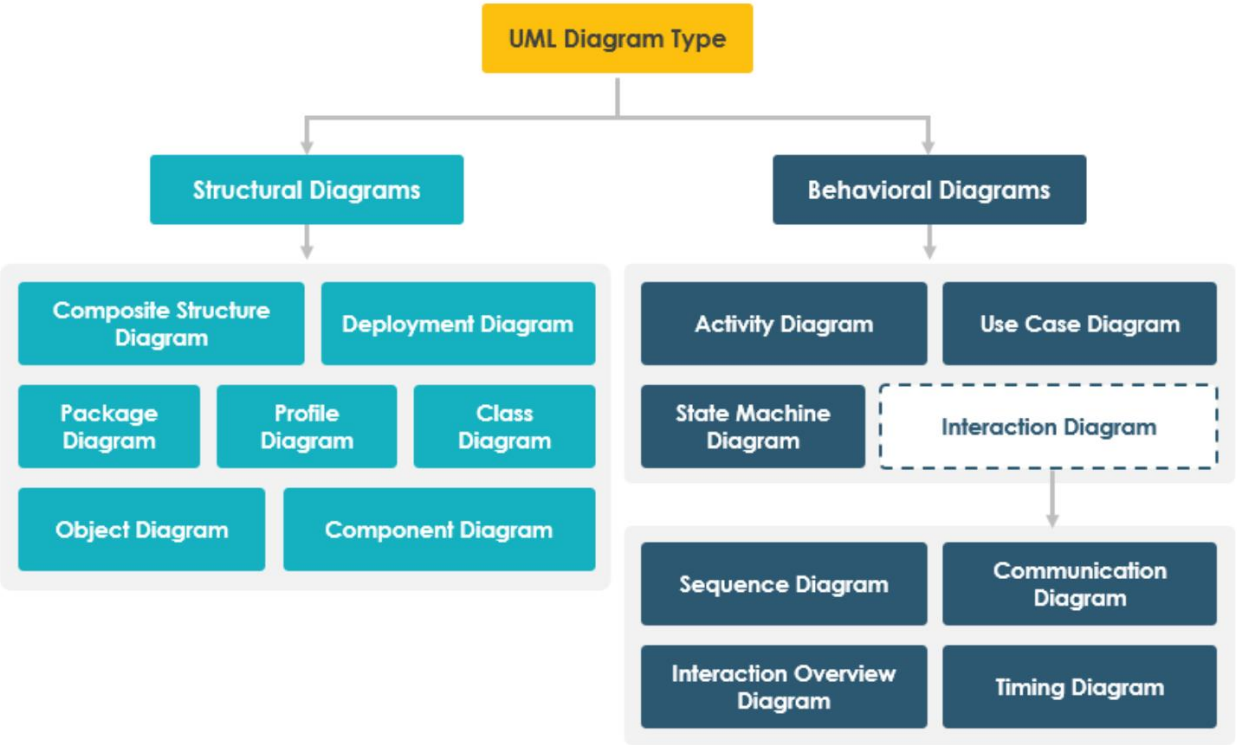

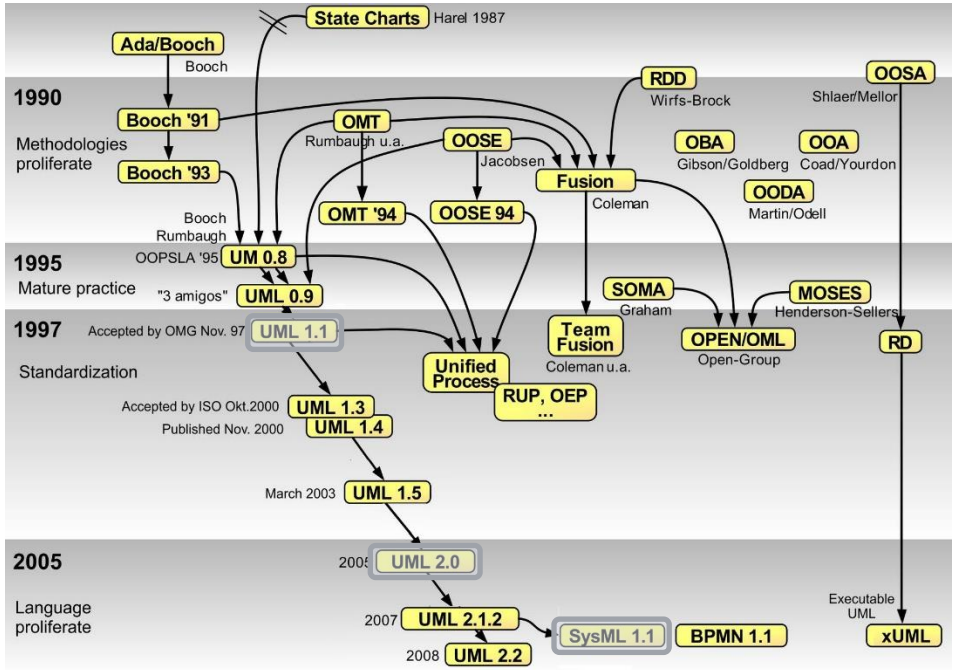

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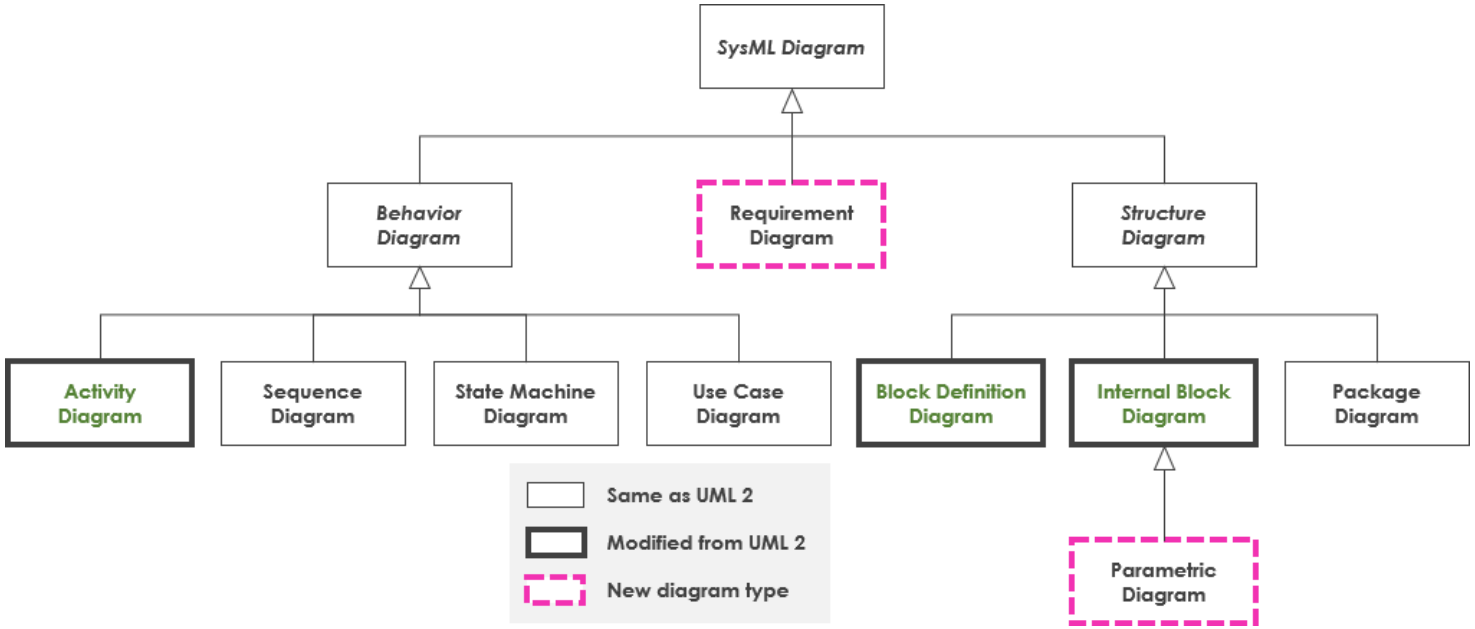

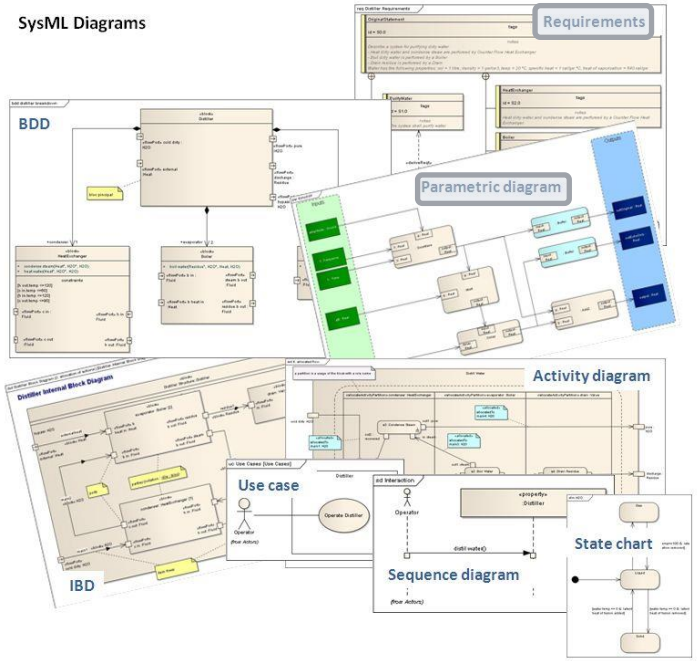

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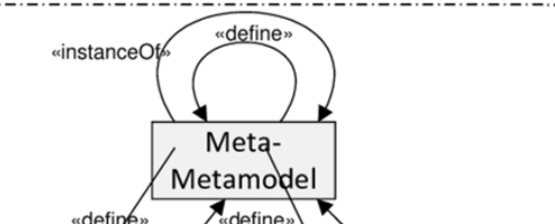
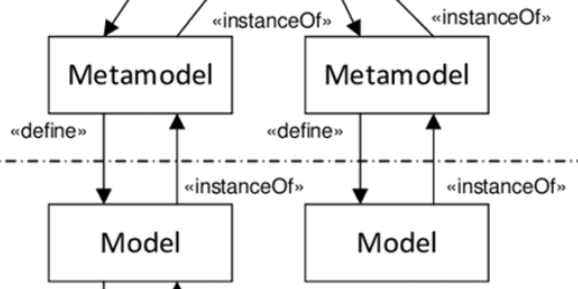
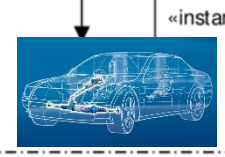
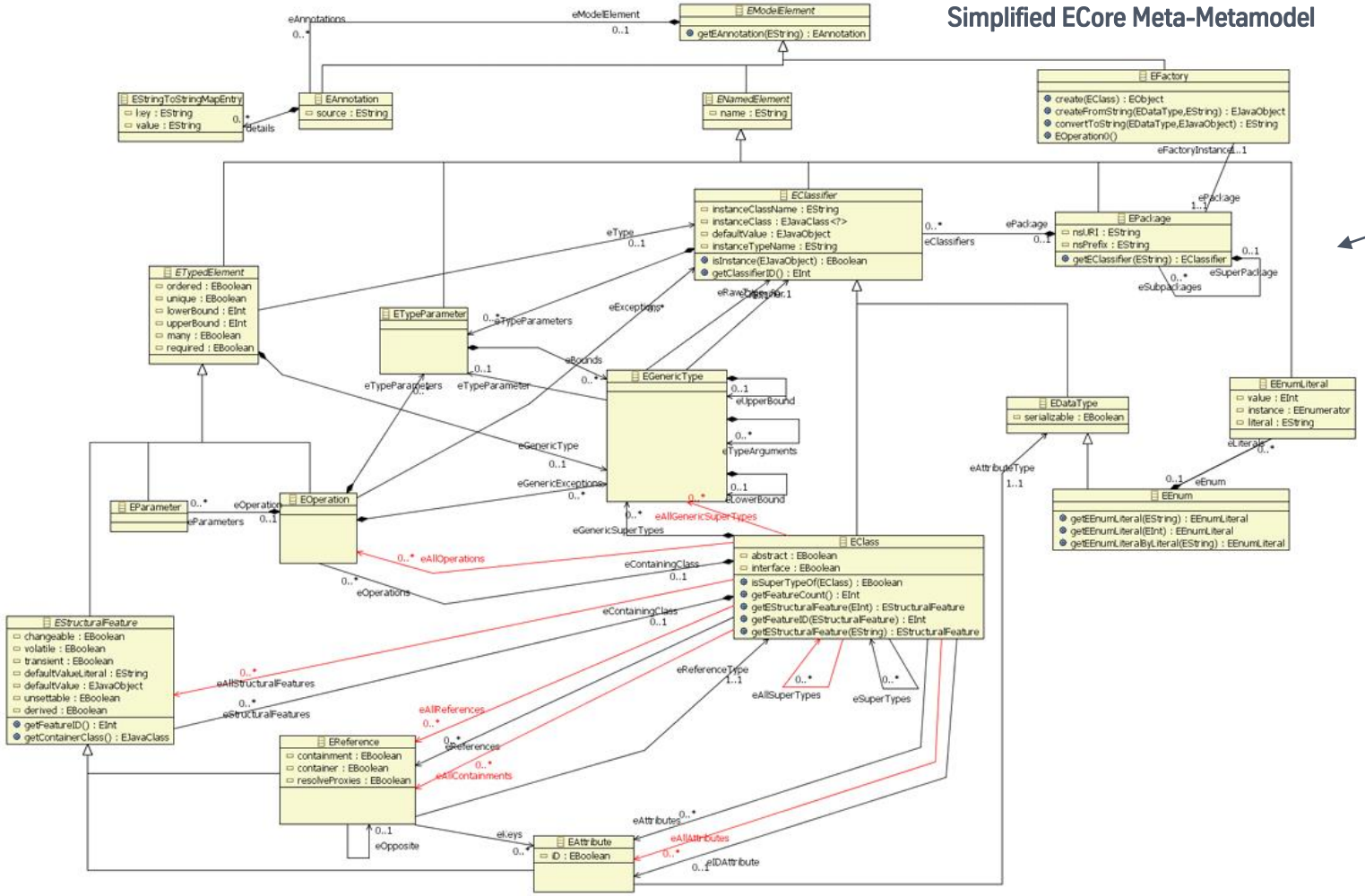
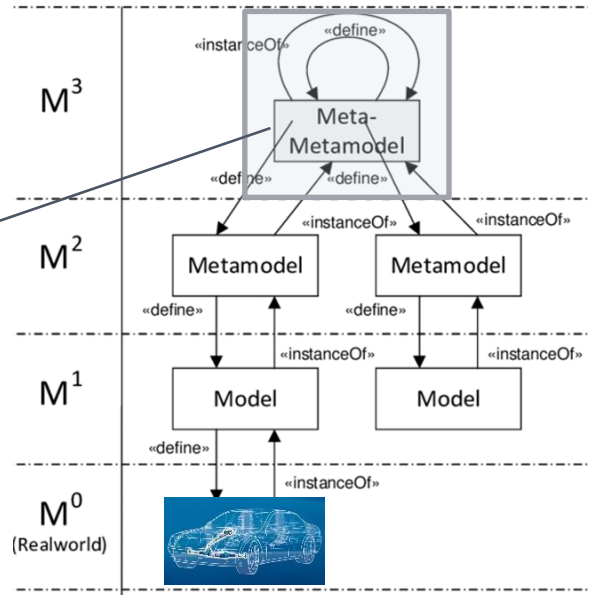
	Metamodeling levels	(Meta-)Model examples	Language examples
M^3		MOF, ECore	BNF, Xtext, ANTLR
M^2		UML, SysML	C, C++, Java, DSL
M^1		State Machine diagram	Application code
M^0 (Realworld)		State Machine simulation	Running application

Simplified ECore Meta-Metamodel





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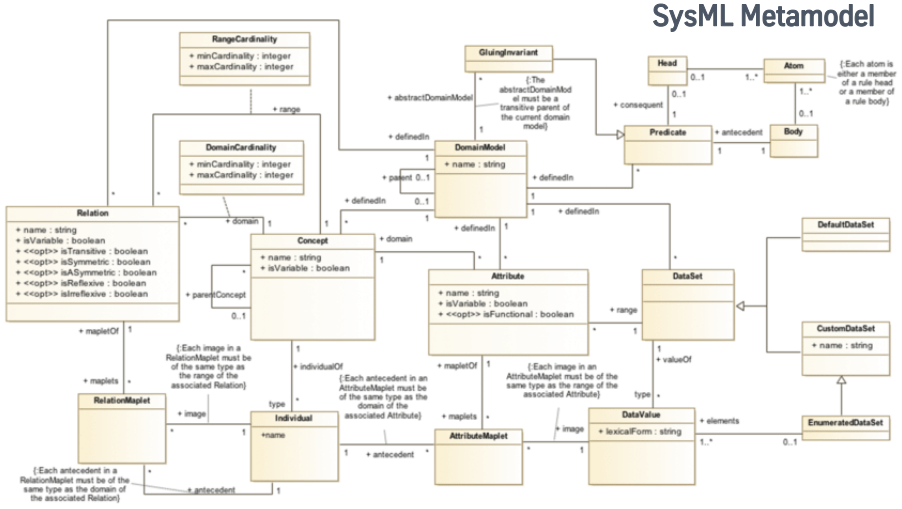
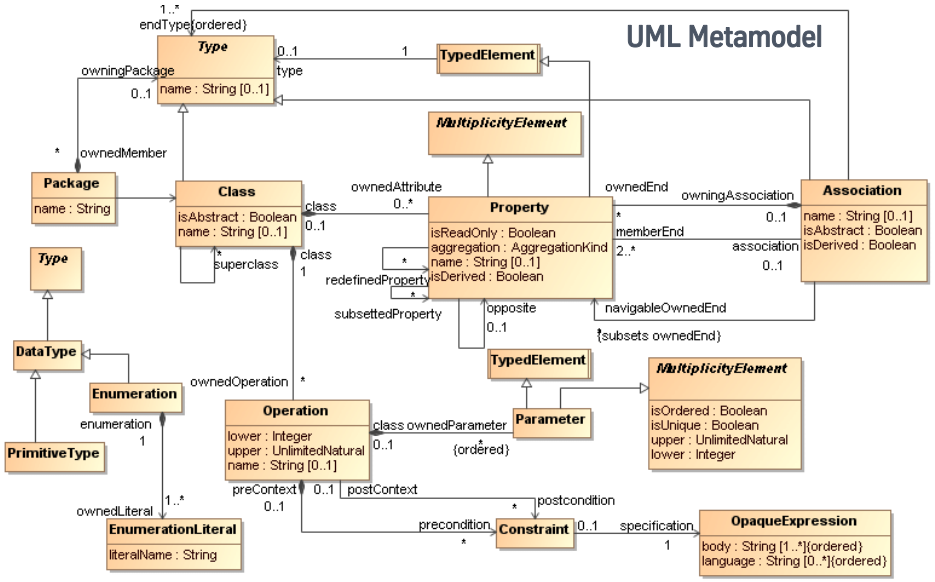
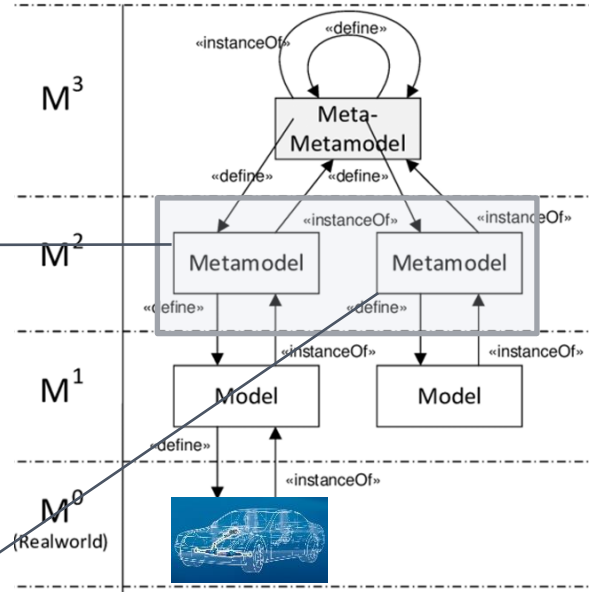
SysML Metamodel



UML Metamodel





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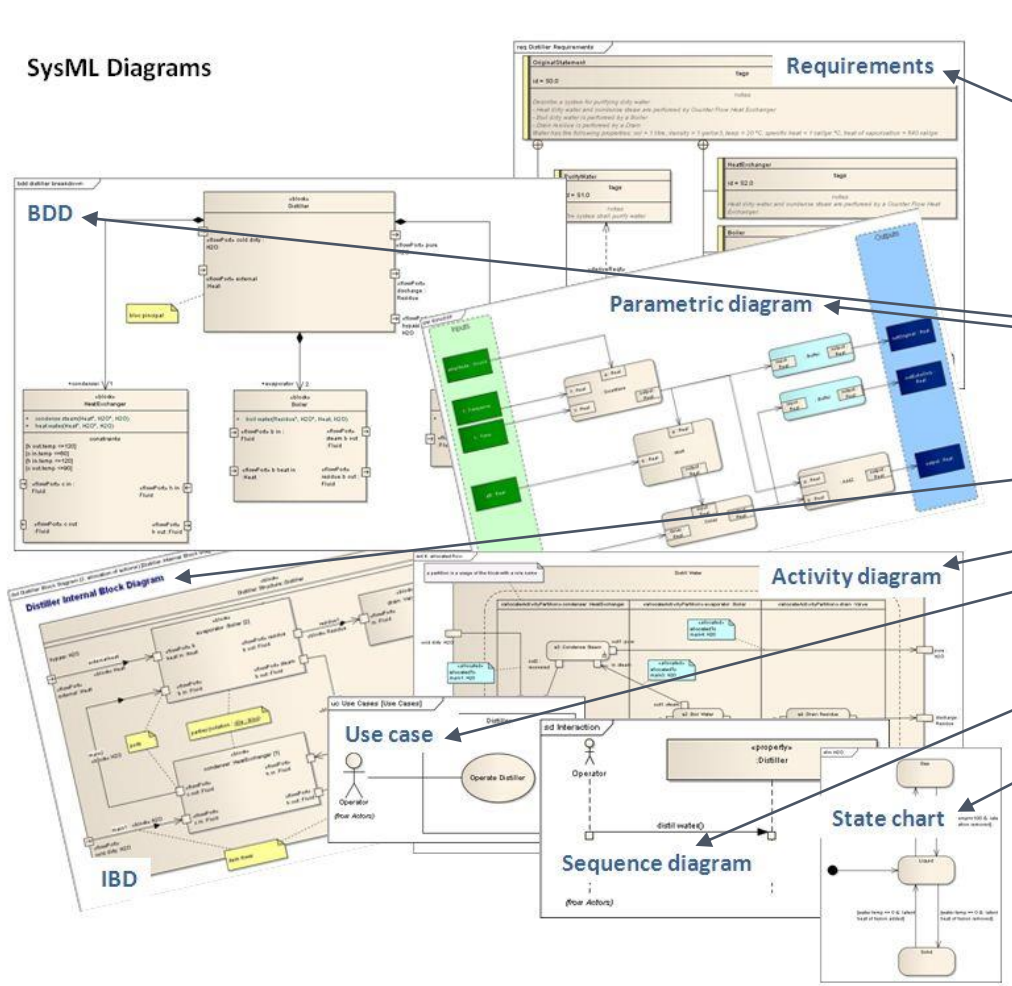

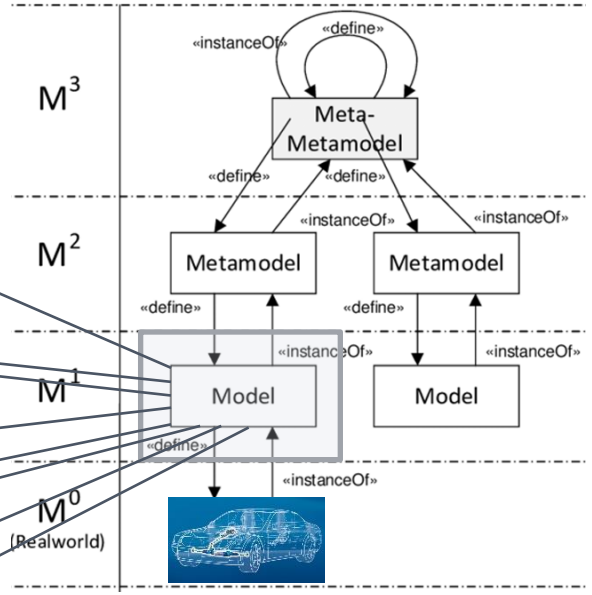

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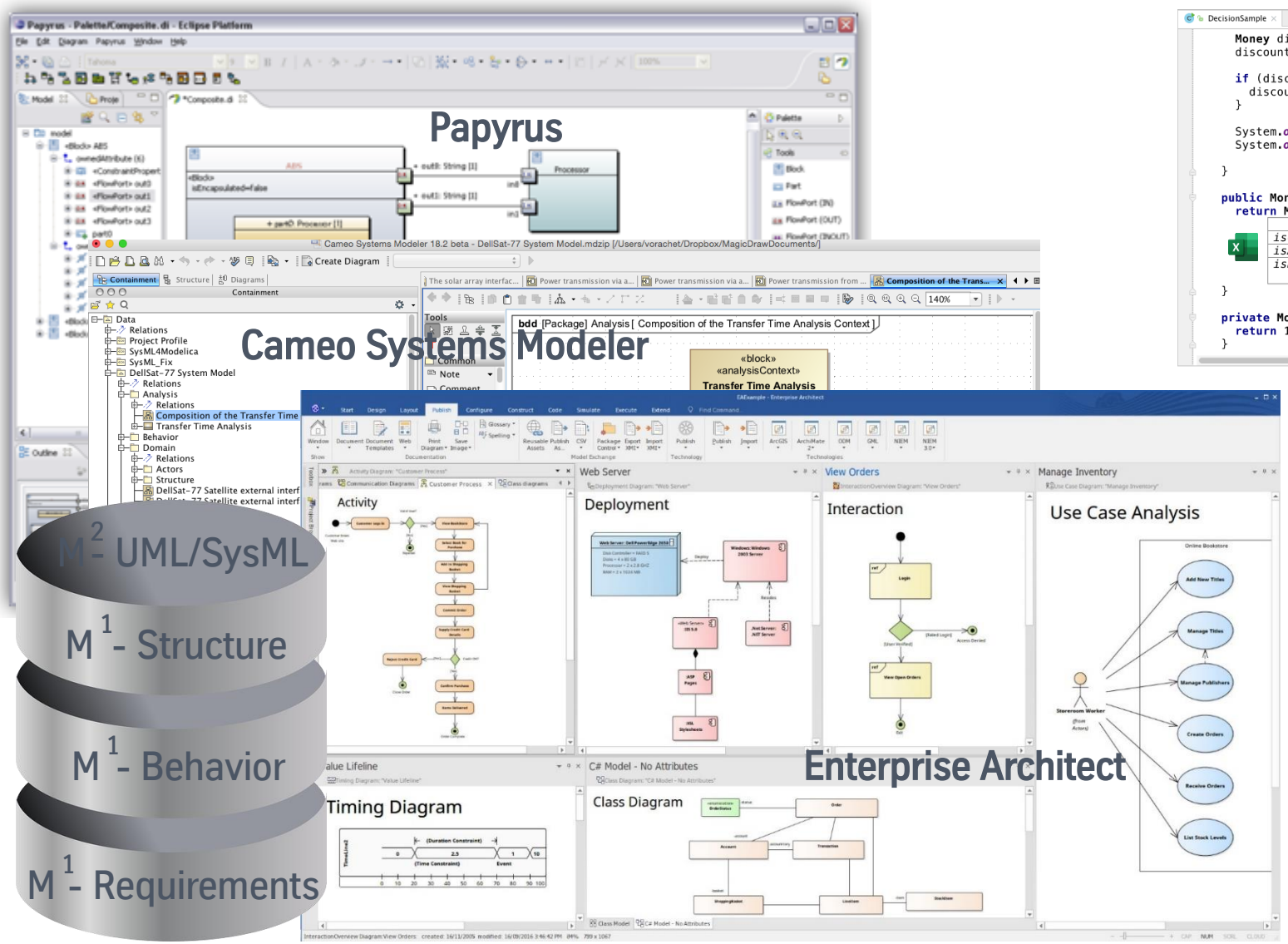

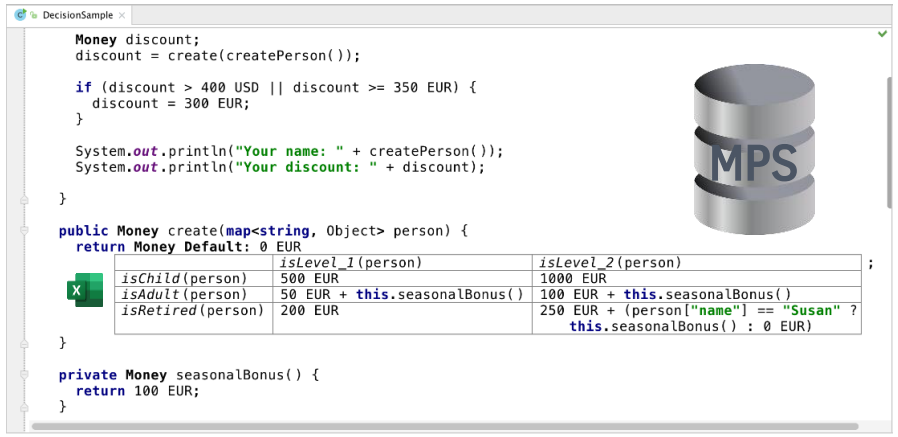

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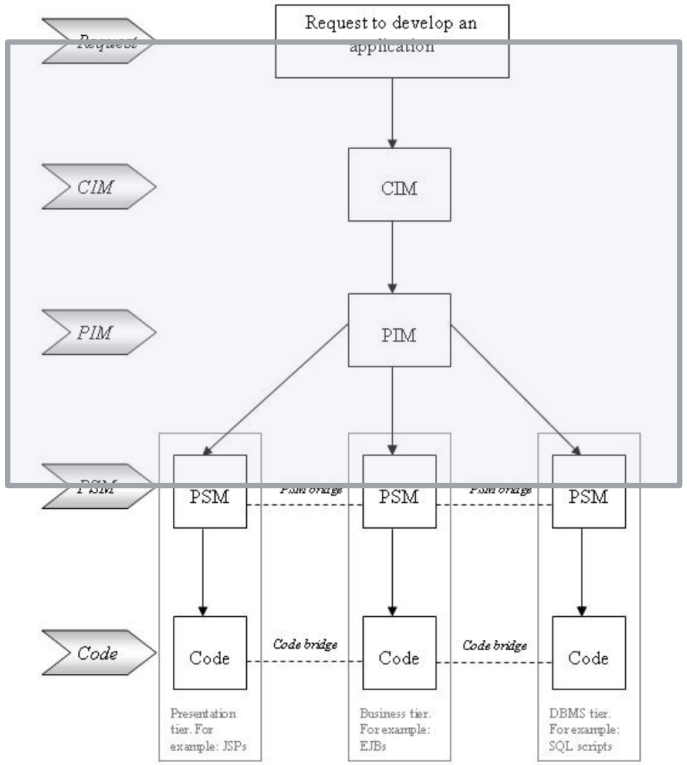

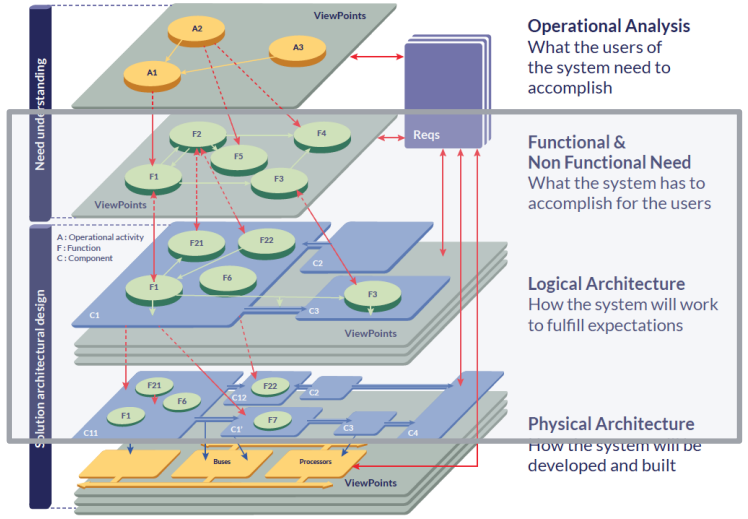

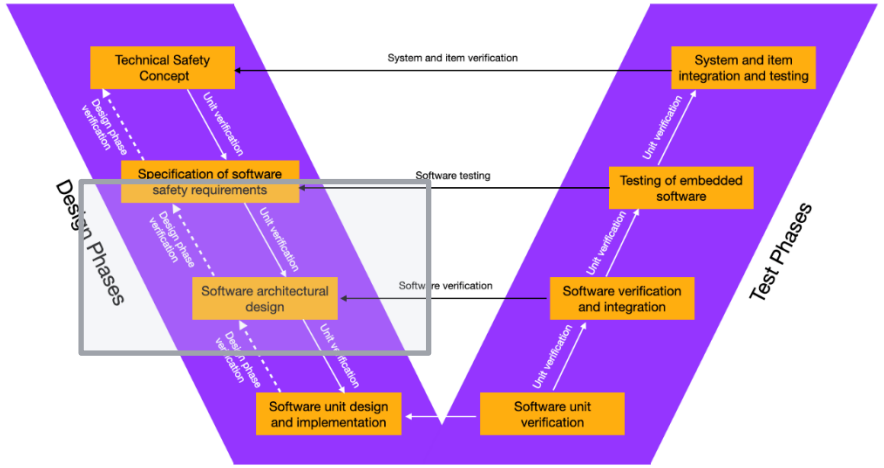

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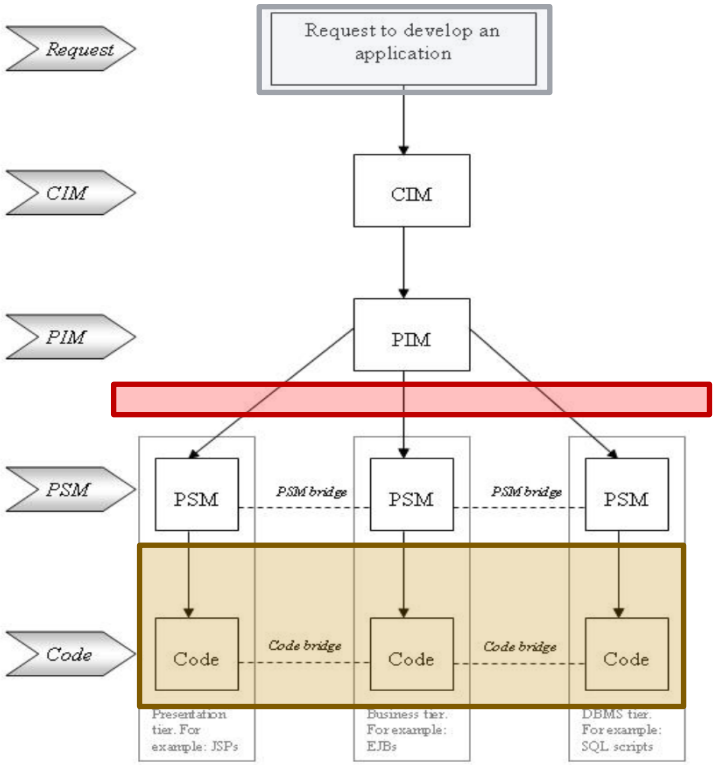

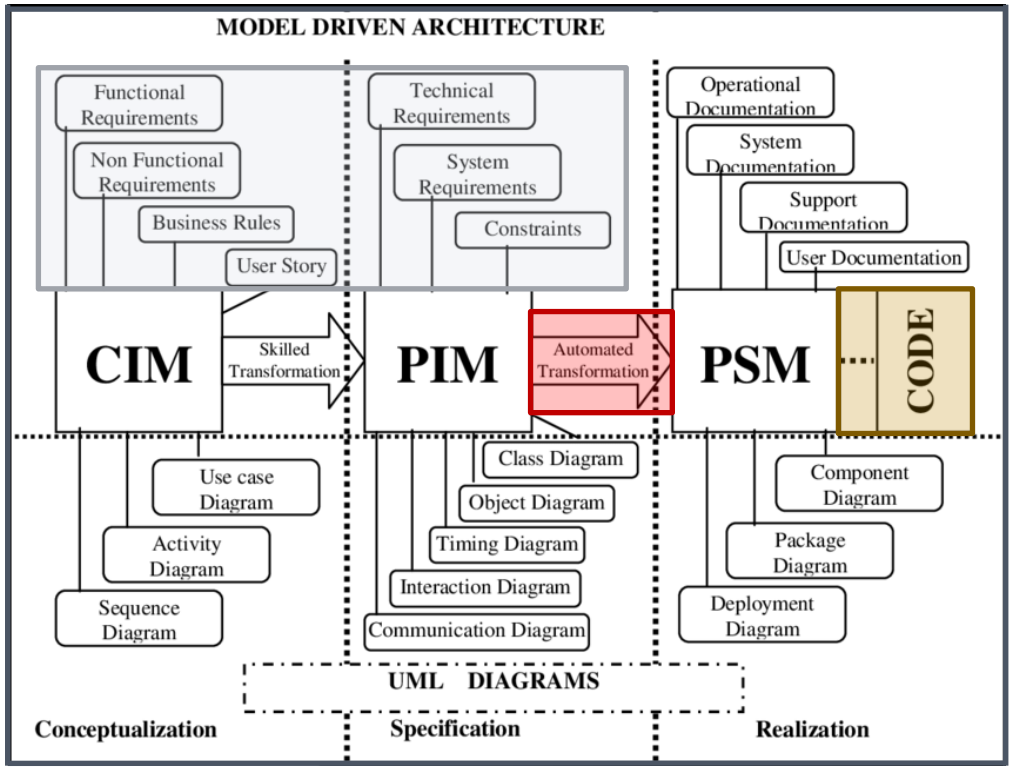

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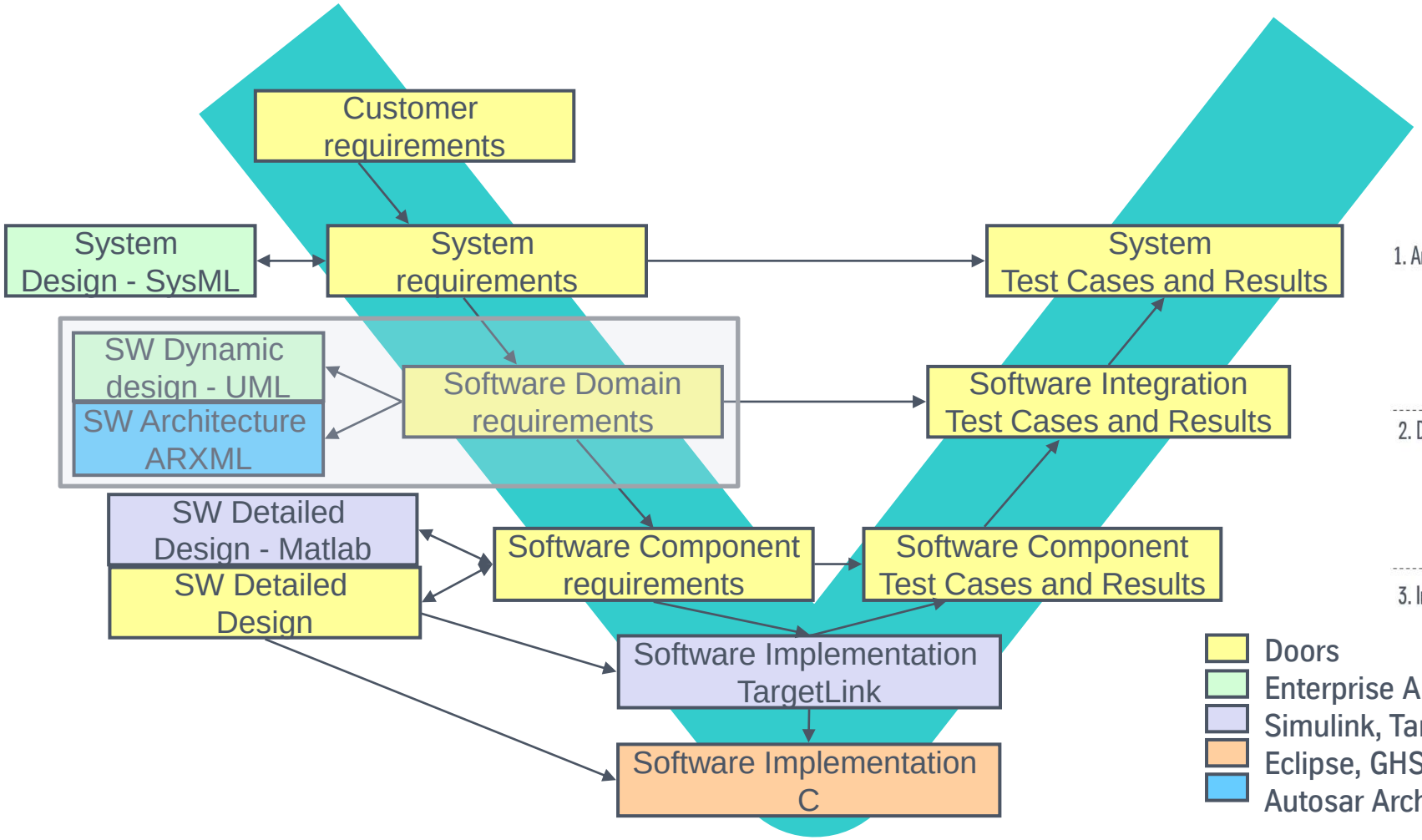

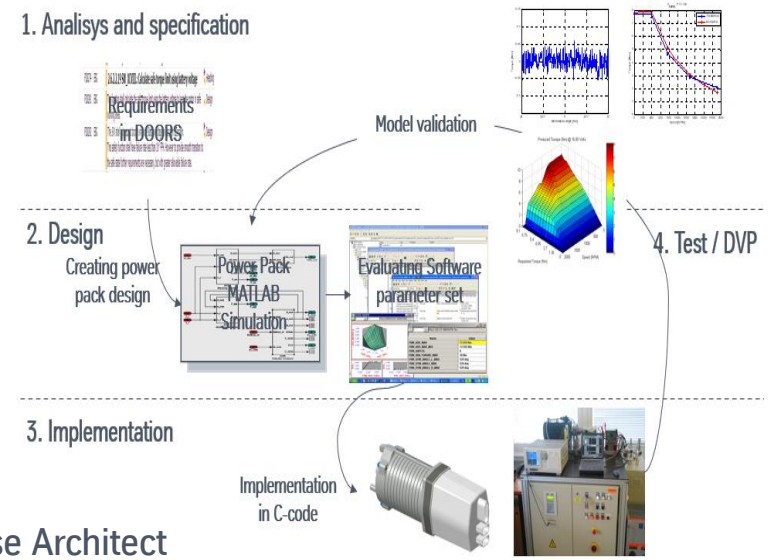

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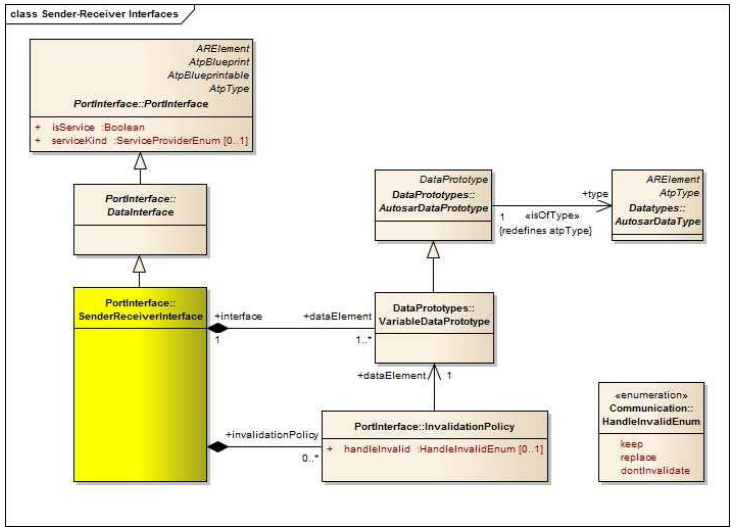

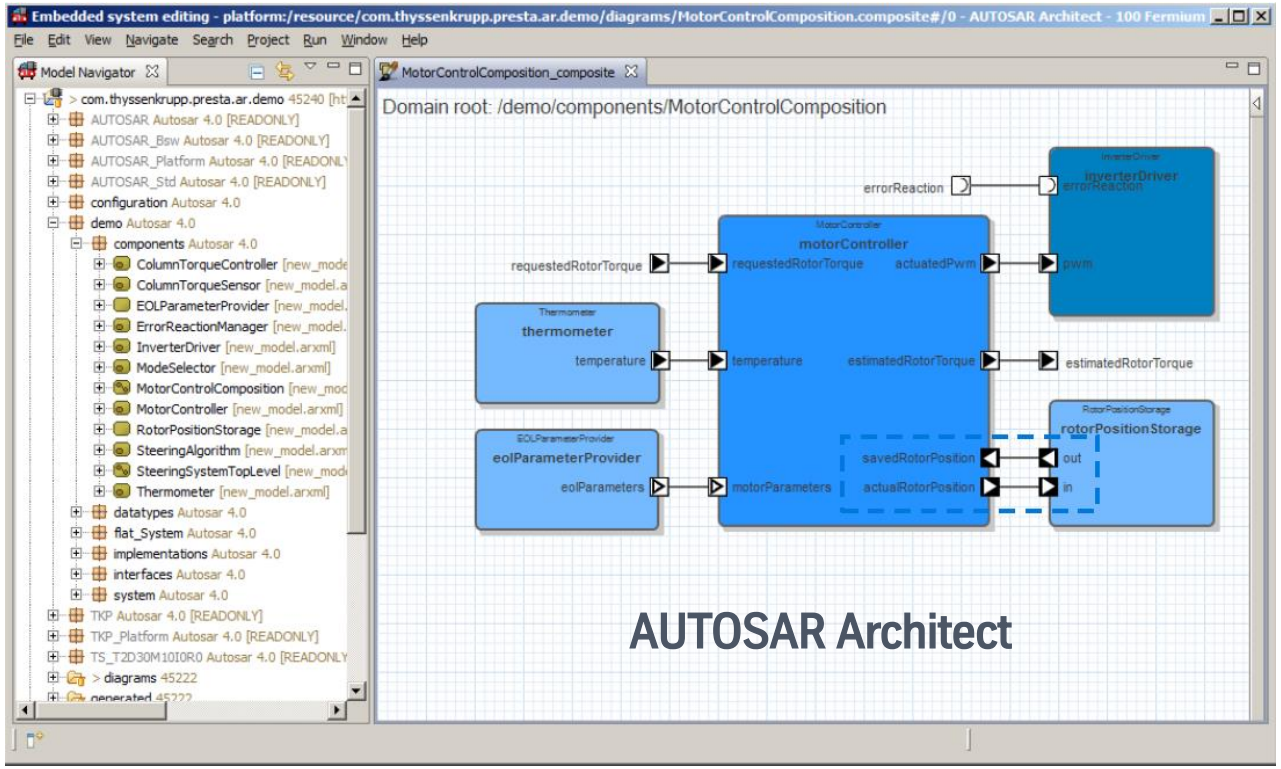

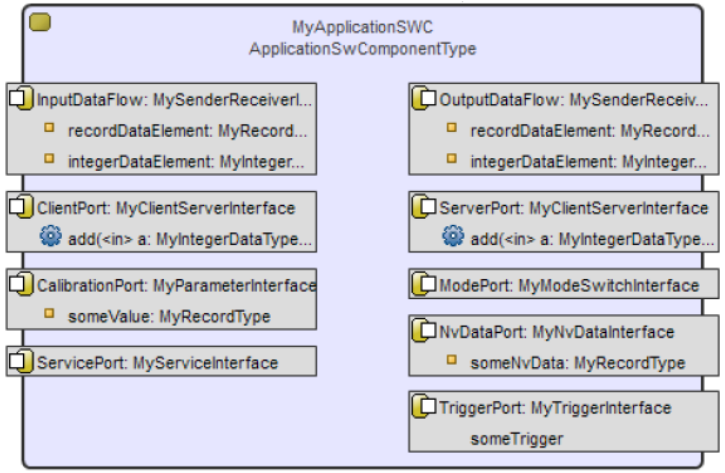

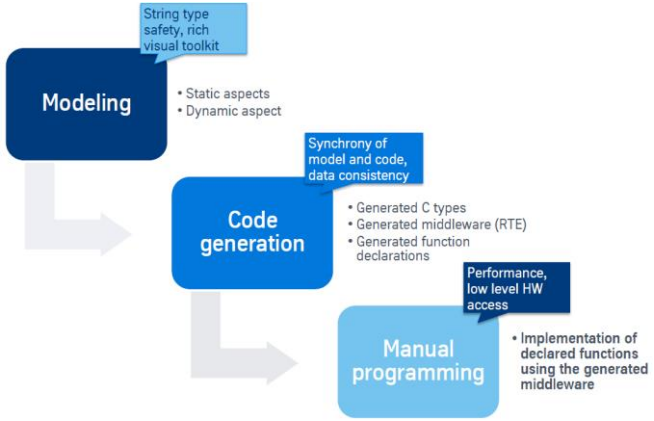

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