

CONCEPTUAL SIMILARITIES AND DIFFERENCES BETWEEN OBJECT MODEL AND GENERATOR APPLICATION SCRIPTING MODEL

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Abstract: *The basic features of UML and scripting model of application generators are compared in this paper. The comparison between two models is performed according to the following features: static and dynamic view within the process level and design level, implementation of encapsulation and inheritance, relationships among basic model elements (classes/metascripts) and software requirements specification. Compatibilities of models are ascertained, but there are also conceptual differences. The scripting model actually represents a model of generators and it is based on aspects and their distribution on different program parts. UML is based on the generic approach which lacks efficiency in dealing with the modelling of aspects due to the features of the object model being a system based on types. The comparison shows that the scripting model is simpler and type-free. As such, it enables more flexibility in the development of application generators, and the application of Boehm's cyclic model of software development.*

Key words: *UML, scripting model, aspects, comparison*



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