A Semantic Web Primer for Object-Oriented Software Developers

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Abstract

Domain models play a central role throughout the software development cycle, from
requirements analysis to design, through implementation and beyond. As such, great
progress has been made in the consistent use of models throughout this process. Modern
software development tools with support for the UML and code generation as well as
Model-Driven Architectures allow for developers to synchronize and verify technical
implementation with user requirements using models. However, the reusability of domain
models is often limited because they are, by definition, domain specific and only take into
consideration abstractions needed to make possible a solution within the confines of their
own individual problem space. But the Web is broader than that and provides a