Abstract

This paper proposes a stand-alone software that accepts UML Design Specifications through a simple user interface. It will generate XML code and object-oriented code for the specifications provided by the user, in parallel. Along with the generation of code, the software will also produce the graphical representation of the UML diagram, thus facilitating the easy visualization
of the diagram being produced. This tool will free the software developer from the mundane
task of writing simple class skeleton so he/she can concentrate on the business logic and
overall architecture of his/her project, provides consistency between design and code and
eliminates the unintended errors that can creep into manually written code. It will create an
effective integration between the design and implementation stages. Also, due to generation of
XML code, it facilitates portability. This paper concentrates mainly on class diagram and Java
code that can be extended in future to cover other diagrams and other object-oriented
languages

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Index Terms

Computer Science   Emerging Trends in Technology

Keywords

Class Diagram    Gui    Object-oriented Code    Portable    Uml Design Specifications    Xml