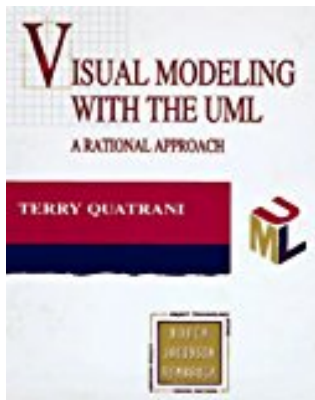


[PDF] Visual Modeling With Rational Rose And Uml (Addison-Wesley Object Technology Series)

Terry Quatrani - pdf download free book



Books Details:

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Description:

This guide is appropriate for developers who want to use UML with one of today's most popular modeling tools: Rational Rose 4.0. The concise text gives a quick how-to tour of the most common features of UML in the context of actual screen shots from the Rational Rose package.

This book begins with a short history of the evolution of UML as well as the basic terms of software engineering, including the incremental development as represented in the Rational Objectory software-development process.

The rest of the book uses a case study, developing a course registration system for a hypothetical college, while illustrating the basic types of UML diagrams in action. Each section uses plenty of screen shots to show how to use UML in the actual Rational Rose modeling tool. After some introductory requirements, the author walks the reader through the steps required to design this course registration system, from use cases (where the role of the users of the system is defined) and class diagrams (where object-modeling techniques are used) and then on to sequence diagrams (where the sequence of steps required to register students is defined). Further chapters move toward defining an architecture (how the system will be built and deployed in software and hardware) and even refining the design within the incremental methodology of Rational Rose.

Generally, this sample case study is just right--large enough to illustrate the interaction of design elements, but not too large as to be unmanageable. Consider this title if you lean toward hands-on materials. It covers a good deal of UML details within the context of the Rational Rose tool. --*Richard Dragan*

From the Back Cover As software application development becomes more complex, the benefits of developing a comprehensive "blueprint" enabling developers to visualize the complete scope of a project increase substantially. Three elements are needed to successfully diagram and visualize a software system--a process, a notation, and a modeling tool. This timely new book introduces the reader to three of the most popular and influential such elements; the Rational Objectory process, the Unified Modeling Language (UML), and Rational Rose. With the practical direction offered in this book, you will be able to specify, visualize, document, and create software solutions.

Throughout the book, a simplified case study (a course registration system for a university) is employed to illustrate the analysis and design of an application. The presentation is structured to allow concentration on the specifics of modeling the domain without getting bogged down in unnecessary detail. This efficient approach to teaching visual modeling and the application of UML enables you to focus on learning to apply an iterative and incremental process to analysis and design.

Other highlights include:

- * an examination of system behavior from a use case approach
- * a discussion of the concepts and notations used for finding objects and classes
- * an introduction to the concepts and notation needed to create and document a system's architecture
- * a review of the iteration planning process

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