

<<基于用例的面向方面软件开发>>

图书基本信息

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内容概要

Aspect-oriented programming (AOP) is a revolutionary new way to think about software engineering. AOP was introduced to address crosscutting concerns such as security, logging, persistence, debugging, tracing, distribution, performance monitoring, and exception handling in a more effective manner. Unlike conventional development techniques, which scatter the implementation of each concern into multiple classes, aspect-oriented programming localizes them.. Aspect-oriented software development (AOSD) uses this approach to create a better modularity for functional and nonfunctional requirements, platform specifics, and more, allowing you to build more understandable systems that are easier to configure and extend to meet the evolving needs of stakeholders. In this highly anticipated new book, Ivar Jacobson and Pan-Wei Ng demonstrate how to apply use cases--a mature and systematic approach to focusing on stakeholder concerns--and aspect-orientation in building robust and extensible systems. Throughout the book, the authors employ a single, real-world example of a hotel management information system to make the described theories and practices concrete and understandable. The authors show how to identify, design, implement, test, and refactor use-case modules, as well as extend them. They also demonstrate how to design use-case modules with the Unified Modeling Language (UML)--emphasizing enhancements made in UML 2.0--and how to achieve use-case modularity using aspect technologies, notably AspectJ...Key topics include

- Making the case for use cases and aspects
- Capturing and modeling concerns with use cases
- Keeping concerns separate with use-case modules
- Modeling use-cases slices and aspects using the newest extensions to the UML notation
- Applying use cases and aspects in projects...

Whatever your level of experience with aspect-oriented programming, Aspect-Oriented Software Development with Use Cases will teach you how to develop better software by embracing the paradigm shift to AOSD.

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作者简介

Ivar Jacobson博士，是许多技术“之父”，这包括组件及基于组件的软件架构，用例，现代业务工程，以及Rational统一过程。

他还是统一建模语言(UML)的三位创始人之一。

同时他也是关于这些方法和技术的五本畅销书籍的作者，以及两本关于UML的引领性书籍的合著者。

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