

## <<UML项目管理的过程质量保证>>

### 图书基本信息

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### 前言

UML以其多视图、模型化、面向对象特征，被软件工程行业广泛采用作为一种通用的开发方法，基于这种方法之上的RUP从过程的角度提出了用例驱动、以体系结构为中心、迭代增量的统一过程模型，这种模型详细规定了初始阶段、细化阶段、构造阶段和交付阶段的交付项以及迭代增量原则。

总体来说，无论UML和RUP都只侧重技术工具和方法学。

对于一个成功的项目开发，迭代增量有效对质量管理至关重要。

本书从软件质量保证的原则、质量管理过程的组织与建立以及质量控制等三个部分阐述UML典型开发项目的质量管理活动、模型、过程、度量、控制技术和环境，具有较强的指导作用，可以作为高等院校的软件工程系列教材，也可作为软件工程技术管理人员的工作手册，是一本开发和管理高质量软件项目的重要参考书。

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### 内容概要

本书针对基于UML开发的软件项目，结合质量管理框架和活动，从软件质量保证的原则、质量管理过程的组织与建立以及质量控制三个部分阐述UML典型开发项目的质量管理活动、模型、过程、度量、控制技术和环境，提出总结高质量项目开发过程，既有理论高度，又具有很好的可操作性，特别是与流行的UML方法学互补，形成较为完整的项目开发支持体系，对人员、过程、质量管理阐述尤为详尽，具有技术先进性和应用宽广性。

本书可作为高等院校的软件工程系列教材，也是软件工程技术管理人员的重要参考书。

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### 章节摘录

2.1 Quality Management      2.1.1 Quality Environment      This chapter discusses organization of the quality function, or quality management . It is effectively the tip of the quality context triangle(see Figure 1.2)-the quality environment . An effective quality environment includes the people who perform the quality checks , their organizational structure, and how those responsible for quality checks should interact with the rest of the Project members . Quality management is apart of Project management and, therefore , utilizes all aspects of management itself. This involves understanding the Project in the context of the overall business , identifying and organizing teams , putting together a detailedprocess , setting standards, facilitating modeling, managing external relationships, and So forth .      A well-organized Project team is also able to monitor and track Projects-a fundamental aspect of quality . When we organize quality conscious Project teams, we organize teams that can hit a "moving target" These quality teams bring together various players who will influence the Actual quality of the software and , equally importantly, will influence the Perception of quality with in the project . Therefore, quality teams bring people To get her who will understand the problem, produce the models, produce the product, test it, deploy it, and use it . Good Project teams also consider the roles that handle training, help desks , and So forth .

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