

<<软件需求案例>>

图书基本信息

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### 内容概要

这本实用的手册将指导您如何将通用的范本同有效的软件需求结合起来。

本书将帮助您学习进化的、实用的技巧来应付各种具体的软件需求，书中提供了30个需求的范本板以及大量的实例来帮助您构建具体而又有效的软件需求。

书中的每一个范本都向您解释软件需求所需要考量的范畴，揭示潜在性的问题，指出可能存在的缺陷，提出更进一步的建议，以及其他的提示。

本书同时还涵盖了如何为软件需求编写其他信息，诸如假设、术语表、文档历史和参考资料等，以及如何构建软件需求的规范。

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作者简介

Stephen Winthall has nearly 30 years experience developing and specifying software systems for organizations in a variety of industries across the globe. His career spans many roles including programmer, business analyst, architect, and chief technical officer.

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插图：In Figure 3 3, "Data entity" is not a pattern. It's a requirement pattern group: a place for describing the common features of the four patterns that build on it. Any descriptive information that applies to all patterns in a group should be given for the group, rather than repeated for each pattern. Also, by convention, labels for relationships between requirement patterns are placed nearer the subject of the relationship, rather than the object. So, it is a Data entity that has an ID ( rather than vice versa ) . The hexagonal shape of "Information storage" denotes it as an infrastructure. See the beginning of Part II of this book for a diagram of this sort for all the requirement patterns in this book. Each of the eight domain chapters contains a diagram of this sort in its introduction, with annotations giving a brief explanation of each pattern, pattern group, and infrastructure.

**Requirement Pattern Classifications** Requirements can be classified in various ways ( for example, by dividing them into functional and nonfunctional ones ) . Using requirement patterns has the advantage that if we classify the patterns, we automatically classify the requirements that use those patterns. Classifications tell us a little about the nature of the requirements that result from using each requirement pattern. Other ways of using these classifications include finding requirements according to their classification and producing statistics. People like statistics ( some people, at least, and they tend to be senior executives it's worth our while keeping happy ) . Statistics on the requirements for a system can be useful in a variety of ways. They, can give a rough picture of the scale and complexity of the system. To do this, we need to tag each requirement with whatever values are needed for all the sorts .

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