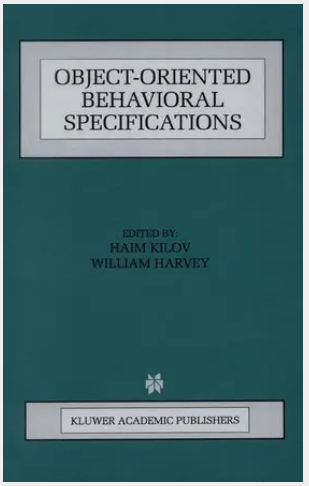
Kilov / Harvey

Object-Oriented Behavioral Specifications

encourages builders of complex information systems to accelerate their move to using the approach of a scientific discipline in analysis rather than the approach of a craft. The focus is on understanding customers' needs and on precise specification of understanding gained through analysis. Specifications must bridge any gaps in understanding about business rules among customers, Subject Matter Experts, and `computer people', must inform decisions about reuse of software and systems, and must enable review of semantics over time. Specifications need to describe semantics rather than syntax, and to do that in an and manner, in order to create software systems that satisfy business rules.
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This book deals with precise specifications of `what' is accomplished by the business and `what' is to be done by a system. The book includes descriptions of successful use of abstract and precise specification in industry. It draws on the experience of experts from industrial and academic settings and benefits from international participation. Collective behavior, neglected in some treatment of the OO paradigm, is addressed explicitly in this book. The book does not take `reuse' of specifications or software for granted, but furnishes a foundation for taking as rigorous an approach to reuse decisions as to precise specifications in original developments.

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160,49 €
149,99 € (zzgl. MwSt.)

Nicht mehr lieferbar

Artikelnummer: 9780792397786
Medium: Buch
ISBN: 978-0-7923-9778-6
Verlag: Springer Us
Erscheinungstermin: 30.09.1996
Sprache(n): Englisch
Auflage: 1996. Auflage 1996
Serie: The Springer International Series in Engineering and Computer Science
Produktform: Gebunden
Gewicht: 1430 g
Seiten: 316
Format (B x H): 156 x 234 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)