

Springer

1st
edition

2005, XVIII, 372 p.

Printed book

Hardcover

Printed book

Hardcover

ISBN 978-3-540-20593-7

£ 99,99 | CHF 121,00 | 109,99 € |

120,99 € (A) | 117,69 € (D)

Available

Discount group

Science (SC)

Product category

Monograph

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Softcover

ISBN 978-3-642-05822-6

Computer Science : Software Engineering / Programming and Operating Systems

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Form-Oriented Analysis

A New Methodology to Model Form-Based Applications

Form-based applications range from simple web shops to complex enterprise resource planning systems. Draheim and Weber adapt well-established basic modeling techniques in a novel way to achieve a modeling framework optimized for this broad application domain. They introduce new modeling artifacts, such as page diagrams and form storyboards, and separate dialogue patterns to allow for reuse. In their implementation they have developed new constructs such as typed server pages, and tools for forward and reverse engineering of presentation layers. The methodology is explained using an online bookshop as a running example in which the user can experience the modeling concepts in action. The combination of theoretical achievements and hands-on practical advice and tools makes this book a reference work for both researchers in the areas of software architectures and submit-response style user interfaces, and professionals designing and developing such applications. More information and additional material is also available online.

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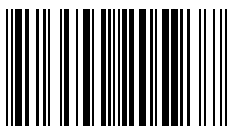
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