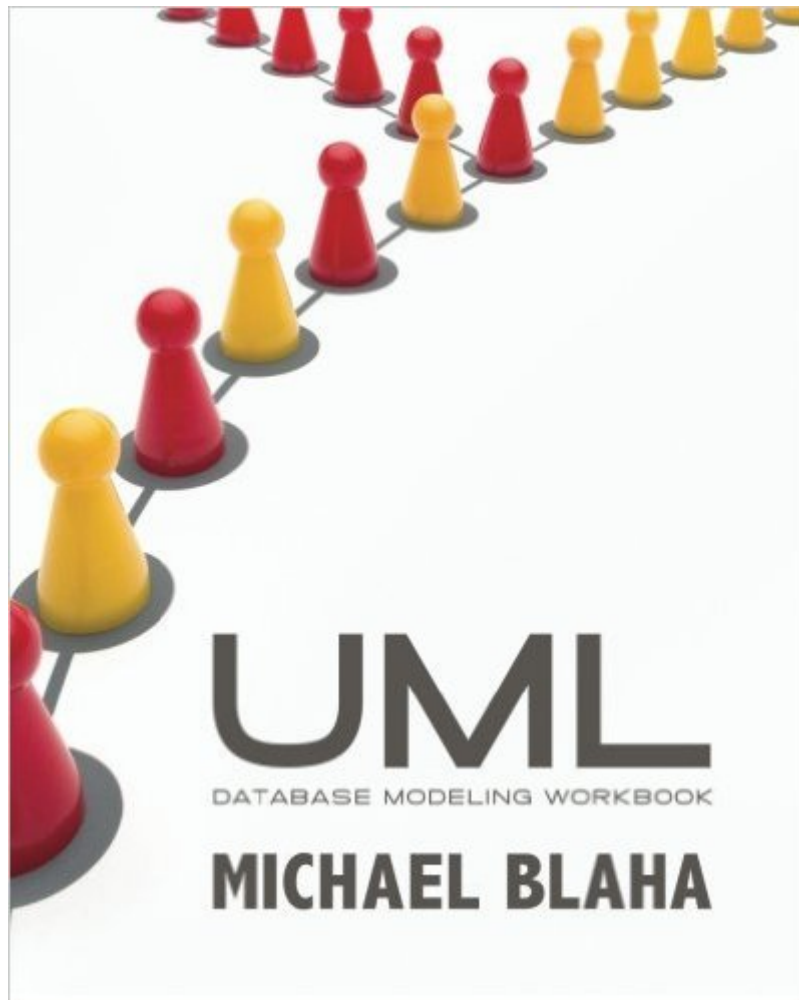# UML Database Modeling Workbook

Synopsis

With our appetites for data on the rise, it has become more important than ever to use UML (Unified Modeling Language) to capture and precisely represent all of these data requirements. Learn how to construct UML data models by working through a series of exercises and self-assessment tests. Beginners can learn the UML directly. Experienced modelers can leverage their understanding of existing database notations, as the book extensively compares the UML to traditional data modeling (Information Engineering). Discover a new way of representing data requirements and communicating better with your business customers. Understand what UML constructs mean and how to properly use them. Learn subtleties of the UML. Become a power UML developer. Practice constructing data models with the exercises. The back of the book answers every exercise. Assess your mastery of the material. Each part has a multiple-choice test that can quantify your understanding. Improve your ability to abstract - think about different ways of representation - as you construct data models. Measure the quality of your data models. Be able to create database designs (DDL code) starting from a UML data model. Be able to write SQL database queries using a data model as a blueprint. Know the differences among operational models, data warehouse models, enterprise models, and master models. They are all aspects of data modeling. This book is concise and to the point. You will learn by induction through reading, practice, and feedback.

Book Information

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Customer Reviews

I am an experienced data architect who has used entity-relationship modeling, specifically

Information Engineering (IE) notation, to design databases. I have also used the UML in the past to design software systems. What I had not done before was use the UML to design databases. This book was perfect for me, as it showed how to use UML and IE in combination for database design.Mike Blaha's writing is more terse than verbose, but I found this very efficient as each statement in the book was precise and communicated a relevant thought very clearly.I would recommend the book to anyone who is new to the idea of data modeling and/or to someone like me who is up to speed with data modeling but has never used the UML for that purpose.

Michael Blaha first introduced the concept of this book to the Chicago Data Management Association members who gave it a thumbs-up and also gave some helpful advice about explaining UML in terms of conventional database notation. From there Michael developed the idea to include exercises so that the reader could test himself on his understanding of this new notation. I would recommend the book to anyone interested in gaining knowledge about, or using, UML. I would also recommend the book to educators since students have readily available exercises to validate what they have learned after reading each chapter.

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